

*SaSaD*

DIRECTORY | 2019

# State of the Art Solutions for the Future



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# INTRODUCTION



SaSaD is the representing association of high technology manufacturers of Turkish Aerospace, Defense & Security Sector. As of 2018, the sector represented by SaSaD creates around 67.000 jobs; generates more than \$8,8 billion revenue and \$2,2 billion exports and carry out \$1,4 billion worth R&D initiatives.

This Directory provides a comprehensive list of association members who deliver the major portion of Turkish Armed Forces' equipment needs. SaSaD members are also the potential cooperation partners of foreign suppliers for international markets as well as Turkish market.

In the Directory; turnkey platforms & systems, components, equipment and services are outlined including the contact details of the related companies to enable interested parties to get in contact directly. In company profiles,

technological capabilities are also addressed. Most of the systems and products are combat proven and all of them comply with NATO specs.

In case of a requirement that may not be met by the existing portfolio of products, it is possible that our members would form a team to fulfill such a requirement. Should any need arises in this scope, SaSaD is the right address to get in contact.

We are proud to serve Turkish Armed Forces and friendly countries' defense & security needs with our great portfolio of products, capabilities and services.

**Öner TEKİN**  
Chairman of Board  
SaSaD

# ABOUT SaSaD

SaSaD was established in 1990 with the directive and full support of the Ministry of National Defence to represent the Turkish Defence Industry. In 2012, the Turkish Civil Aviation and Space Industry Manufacturers joined SaSaD and SaSaD's name was changed as Savunma ve Havacılık Sanayii İmalatçılar Derneği (Defence and Aerospace Industry Manufacturers' Association). Today SaSaD is the primary association to represent Defence, Aerospace, Space and Security sectors in Turkey.

SaSaD has 198 members including 5 clusters having approximately 1.000 members under their umbrella.

SaSaD has been representing a sector of high technology and added value with \$8,8 billion revenue, \$2,2 billion export activities and \$1,4 billion R&D activities. The sector provides employment to 67.000 employees that are directly working at sectorial institutions. Most of them (24%) are engineers, the remaining are university graduates and technicians. Only 17,6% are non-skilled employees.

SaSaD is an active member of European Aerospace, Defence and Security Association (ASD).

SaSaD's mission:

- To ensure that strategic interests of Turkish Defence, Aerospace, Space and Security industry are properly represented
- To create the best climate in which its members can do their business
- To become a single address for its members as well as those foreign companies requesting to establish relations with the sector
- To establish the sectorial common view regarding economic, legal and commercial aspects affecting the sector and perform lobbying activities with government officials regarding such views
- To provide information regarding the domestic and international market opportunities and organize events to bring its members with national and international sector players in order to achieve synergy and cooperation
- To prepare reports by collecting statistics and data as well as making analysis about the sector performance

# roketsan

[www.roketsan.com.tr](http://www.roketsan.com.tr)



ROKETSAN - ÖMÜD: 95-01000-1050-191244

**Roketsan** design, development and production house of rockets and missiles in Turkey, is proud to offer its products and technological infrastructure to friendly and allied nations



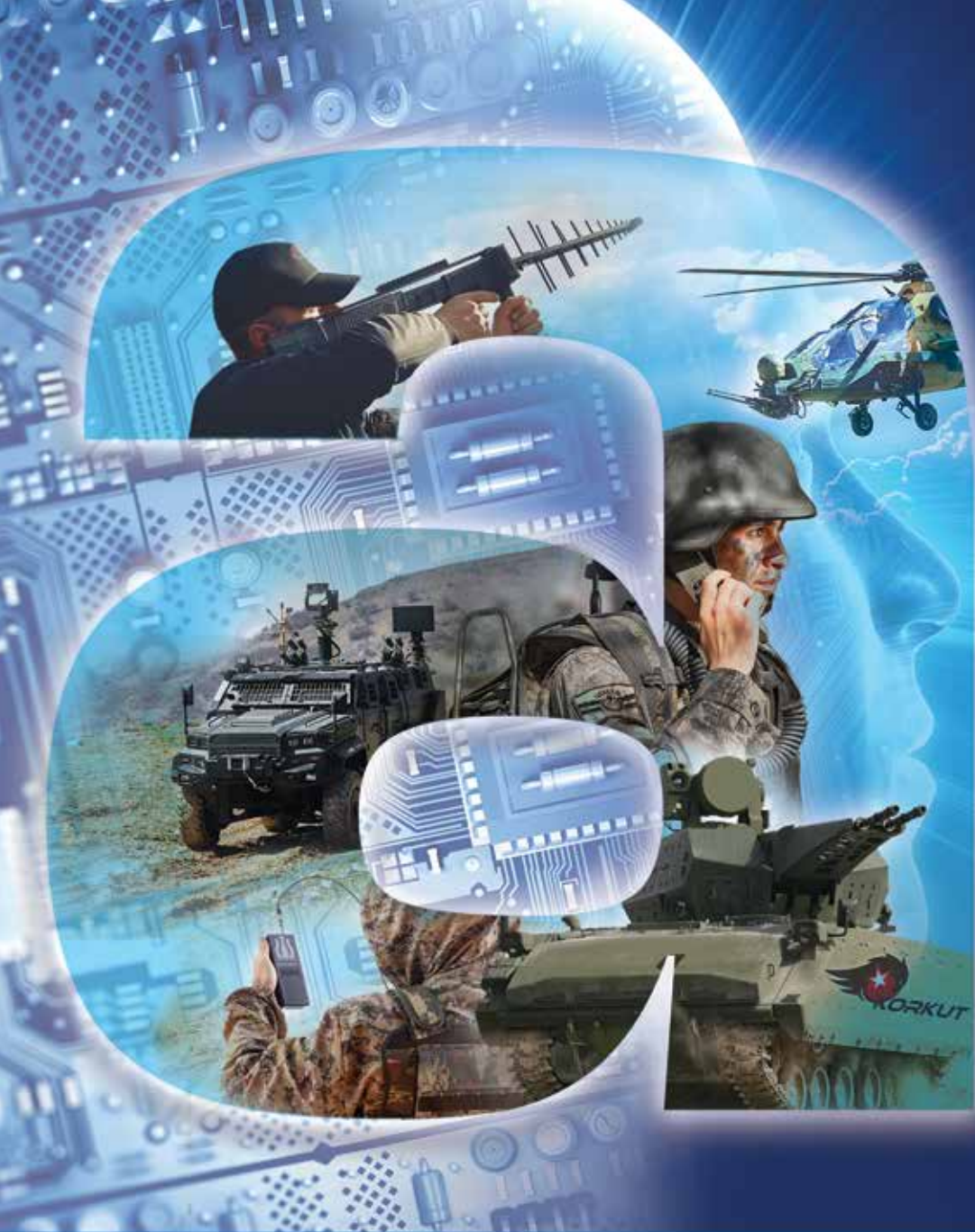
ROKETSAN IS AN ESTABLISHMENT OF TURKISH ARMED FORCES FOUNDATION

## **EXECUTIVE BOARD MEMBERS**

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Yılmaz KÜÇÜKSEYHAN	Deputy Secretary General
Ceren ASALIM	Specialist
Aslı BURSA	Specialist



[www.aselsan.com.tr](http://www.aselsan.com.tr)

 ASELSAN is a Turkish Armed Forces Foundation company.

**aselsan**

*Proven Technology*

## ADA

Manufacturer of Bullet Resistant Glass Solutions



**Company Address** Gebze Plastikçiler Osb. İnonu Mah.  
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**İsmet Özer** General Manager

**Sertaç Karabağ** Sales and Marketing Manager

## Profile

As Ada Cam Sanayi ve Ticaret Ltd. Sti. under the brand name Armass Glass® based upon 32 years of the bullet resistant glass sector experience, our initial goal was to present confidence and quality to our customers for an issue which is of particular concern to human life. In line with this objective, we laid the foundations of the long-term trust relationship with our customers by not offering any product, without considering financial losses, below the level of quality we do approve. We have brought in new levels of expectation in terms of the quality standards and the satisfaction of our customers all around the world for the bullet resistant glass solutions by our constantly innovating and developing technological infrastructure as well as the physical conditions required by today's world. In order to maintain the continuity and stabilization of these manufacture and innovation solutions, we have always worked and will keep on working with the business partners that supply the best quality products and services, and are the most experienced in their fields in the world.



***FNSS***

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# AKANA

Design & Production of Special Purpose Machines & Test  
Equipment for Defence & Aerospace Industry



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**Köksal Özdemir** Ceo / General Manager

**Hayrettin Türk** Director

**Galip Çapçı** Director

## Profile

As a solution partner for the Aerospace & Defence Industry, AKANA Engineering has been implementing engineering, design, R&D and production projects for the last 20 years. AKANA Engineering's main objective is to apply the exact engineering solutions; feasible Design and Production Technologies to fulfill the requirements of the projects. Its vision is to become a worldwide known and reliable, leading engineering company which implements all activities, starting from critical part production up to the establishment of turn-key facilities, by developing new Technologies. AKANA has experience in the design and manufacturing of energetic material processing equipment like double planetary kneaders. The family of kneaders includes the capacities of 1 lt., 1 gallon, 30 gallon, 150 and 300 gallon mixers. The equipment are ex- proof and have temperature / pressure control. AKANA is also a qualified vendor for NSPA which is the supply agency of NATO. Depending on its experience in demilitarization facility design and installation, AKANA has been assigned by NATO to supply a turn-key facility for demilitarization.

### AKANA CAPABILITIES;

Special Purpose Machine & Test Equipment (Design and Production)

Mechanical/Mechatronic systems

Hydraulic /Pneumatic systems

Demilitarization Facilities (Design and Production)

Machine & Equipment

Ammunition (Design & Production)

Transfer Systems

Machine & Equipment / Facility

Energetic Material Production/Test Equipment

Aerospace

Grips (Cyclic & Collective)

UAV Launcher

Project Management

National & International

With its new facility in Baskent Industrial Zone, AKANA continues to develop and serve for the industry with its growing engineering staff and technological investments.

AKANA is planning to make collaboration and technology transfer with foreign companies in the field of design and manufacturing for the defence and aerospace industries ,through out the world.

Main references of AKANA are; ASELSAN, TAI, FNSS, TÜBİTAK SAGE, MIKEK, ROKETSAN, NSPA-NATO, OTOMELARA-ITALY, ECOLOGIA-ITALY, ESPLODENTI SABINO, ITALY etc.

# AKGÜN

Research & Development, Information Technologies, Software, Engineering



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**Hakan Karataş** Deputy General Manager

**Züleyha Akgün Gençer** Deputy General Manager

**Mesut Bilinmiş** Administrative and Financial Affairs Coordinator

**Gökmen Kuvvet** Sales and Marketing Coordinator

**Gürsel Pakdemir** System Alteration Coordinator

**Serap Atış** Deputy Support Coordinator

## Profile

AKGÜN, that considers information and technology as an essential for life, was established in 1986 and provides solutions and a wide range of products from IT, healthcare, education, government, telecommunication, defense and the private sector.

AKGÜN that has been in service on information systems and technologies for more than a quarter-century, has a wide array of project experience in areas such as in R&D, Manufacturing Software, System Integration, Training and Support Services, Network, Communication and Information Security, Technology Consulting, Medical IT Consulting Services and turn-key projects to its services and quality of products.

Since its establishment, the integrator company AKGÜN, that improves and renovates itself with its experiences and know-how, enhances the service quality that it holds and as a sustainable development company with growth capability, it has over 500 personnel together with over 100 researchers. Although its central office is in Ankara, it also has a branch at the Black Sea Technical University Technopark.

AKGÜN Plaza, central Office located in Ankara, has a distinctive design, modern and separate construction and consists of a total of 6000 square meters, and acts as Turkish Ministry of Science, Industry and Technology Certified Research and Development Center. In addition, with its Azerbaijan and Kazakhstan branches, it continues research, development and maintenance work in line with its international vision and strategic plans.

With its solutions and 100% domestic products in more than 450 State Institutions and Organizations all over the country and abroad, Hospital Information Management System, Radiology Information Management System,

Laboratory Information Management System, Computer Aided Diagnosis System (CAD), Administrative Processes, Medical Processes, Financial Processes, Imaging / Image Processing, Picture Archiving and Communication System (PACS), Decision Support Systems, Business Process Management, Evidence-Based Medicine Practice, Device Integration, Mobile Technologies, System Integration, Electronic Records and Document Management, Personnel Control and Monitoring Systems, Human Resource Management Systems,

The above mentioned services are provided synchronously. AKGÜN has a perspective of providing quality products and services, it is a chief point of corporate management to be maintained in departments of Turkey and local structuring in which it is in service, it has NATIONAL SECRET / NATO SECRET Facility Security Clearances, CMMI Level 3, ISO / IEC 27001 Information Security Management System, ISO 9001, ISO 10002, OHSAS 18001, ISO 13485, ISO/IEC 15408 Common Criteria, TS 13298, CE Marking certification and in addition, also has other certifications and accreditations of different sectors of activity.



*We thank our children, the guarantee of our future, for the trace they left in our lives.*



# SECURING LIVES



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# AKKAR

Weapons and Defense Industry Company



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**Mehmet Akdal** Ceo / General Manager

**Özge Alkılınc** R&D Manager/ Msc. Metallurgical and Materials Engineer

**Semih Polat** Commercial Manager/ Mechanical Engineer

**Levent Salmayenli** Technical Manager/ Mechanical Engineer

**Cüneyt Aytaç** Product Manager/ Mechanical Engineer

## Profile

AKKAR was established in 1989, in İstanbul; specifically focused on shotgun producing. In 1992, Turkey's first pump action and gas operated semi-automatic shotguns were begun producing with a very innovative collaboration of many shooters minds.

Since then, it has proven itself with its superior quality and has been supplying to worldwide civilian and law enforcement markets.

As a sole producer, AKKAR has the capability of designing and manufacturing of all the components of a shotgun, in-house via its high-tech design, development and production facilities. From idea to market, every product is created by using CAD/CAM systems, according to your exact needs.

AKKAR has a wide shotgun product range that includes a good combination what you really need; well-balanced sporting, hunting and as well as tactical shotguns. For those purposes shotguns are produced in different gauges as pump-action, semi-auto and over & under.

In addition, as a reliable partner, AKKAR manufactures shotguns for world-famous brands. Different accessories, for hunting and law enforcement are also produced by AKKAR.

Besides the production of its own guns, AKKAR is also capable of decorating its products with very well-known camouflage patterns. And also, our patented environmental friendly metal finishing technology ORCAP® (Organic Chemical AKKAR Process) is a new way of feeling solid steel in an aesthetic unique look.

AKKAR has registered trademarks which certifies our quality and our guarantee; Churchill, Altay, Karatay, Maxi-Mag, M-2000,

Armstrong, Apache, Komanchi and Poseidon.

Quality control and management is a major mission for all processes of every single step, that's why AKKAR Silah Sanayi ve Tic. Ltd. is accredited for the compliance of ISO 9001-2015. We are always in a movement to improve our standards. And now we are getting to start work with defence and airspace industry and working on R&D CENTER for defence industry. Same time we applied to facility security clearance after we got this we will apply to AS9100.

Our company will proudly continue to have the honor of serving all precious customers with AKKAR quality and guarantee for the years to come.

**Remote Sensing Systems**  
**Electronic Warfare & Communication Systems**  
**Electronic Mission Systems**  
**Simulation & Training Systems**  
**Manufacturing Programs**



**SDT**

SPACE & DEFENCE TECHNOLOGIES

[www.sdt.com.tr](http://www.sdt.com.tr)

# ALP AVIATION

Aviation



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**Mustafa Kemal Erçelik** Board Member - Ceo

**Şenay İdil** General Manager

**Semih Soyer** Finance Manager, Cfo

**Yusuf Türkel** Operations Manager, Coo

**Melek Akdoğan** Communications Leader

**Yılmaz Güldoğan** General Manager of Alpteknik Aviation

## Profile

Alp Aviation is a privately owned company with absolute dedication to the aerospace industry and its highest standards. Alp Aviation has four facilities in Eskişehir with a combined production area of 50.000 sqm. With its extensive experience in machining and processing titanium, aluminum, steel, stainless steel, copper alloys and super alloys, Alp Aviation manufactures Helicopter Dynamic Parts & Assemblies,

Engine and APU System Parts, Landing Gear Parts & Assemblies, Structural Parts & Assemblies for Aircraft and Fire Suppression Systems.

Alp Aviation utilises new generation multi-axes machining centers, CMM quality control, applies special processes, makes assembly operations and does the final acceptance tests. Among its customers, the world's leading aerospace companies are available such as Sikorsky, Pratt & Whitney, Pratt & Whitney Canada, Lockheed Martin, Collins Aerospace, Honeywell, Boeing, Turkish Aerospace and Aselsan.

Alp Aviation has been approved as Research and Development Center by Turkish Government in 2013.

Alp Aviation's fully owned subsidiary, Alpteknik Aviation is established in 2013 and it is headquartered in Ankara, Alpteknik Aviation continues to offer after-sales services in the aviation sector. Alpteknik has been appointed by Sikorsky Aircraft Corporation, a Lockheed Martin company, as the sole distributor for Sikorsky fixed and rotary wing aircraft spare parts, accessories and repairs in Turkey.

Alpteknik is also the Sales Representative for the commercial aircrafts S-76, S-92, S-61 and M28 in Turkey and Central Asia Countries.

Alpteknik Aviation provides service as spare parts supplier to the commercial operators of new and pre-owned Sikorsky platforms in Turkey and the Central Asia. It is effectively serving to its customers through its head office in Ankara and its branches in Istanbul, Eskişehir and Izmir Free Trade Zone.

Having commences its activities at Atatürk Airport in 2017, Alpteknik Aviation (ALPJET) Istanbul Branch has Commercial Air Operator, Continuous Airworthiness, SHY-145 Authorized Maintenance Center and SHT-33A Business certificates, which are granted by the Ministry of Transportation and Infrastructure. In addition to these authorizations, Alpteknik Aviation is the sole maintenance organization in Turkey authorized by the manufacturer, Robinson Helicopter Company, for maintenance of the R-44, the top selling helicopter of the world.

ALPJET is still carrying on its operations with the Airbus EC-130 B4 Helicopter and it is also the authorized maintenance organization of Sikorsky S76 model aircraft under SHY-145 Certificate.



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Radar Systems



Land Vehicles



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Global Technical  
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Optical Systems



Quiet  
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Private  
Solutions

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**Baki Şensoy** CEO

**Aykan Üreten** CFO-COO

**Alper Ünsoy** CMO

**A. Metin Turan** Bussiness Development Manager

**Göksu Salman** Corporate Marketing & Communications  
Manager

**Selin Afşaroğlu** Bussiness Development & Customer  
Relations Manager

## Profile

ALTAY Corporation was founded in 1957 as one of the first consultancy, domain expertise and technical support company in Turkey. ALTAY Software Defense has started to play an active role in software field in 1998. For more than 20 years, it has been providing customer-specific, information technology solutions compatible to international standards. In the field of software, we have started to be active not only in our country but also abroad with our developing technologies and increasing technical knowledge. In line with this goal, we carried out Turkey's first defense software export to Norway in 2004. Having made the first defense software export, ALTAY Software Defense has successfully exported in 17 different countries. Currently ALTAY, with its more than 150 R&D personnel, continues to provide high quality services in its own 2650m2 facility which hosts CMMI 3 level software design and development, test and examination centers as well as a laboratory in which the R&D activities are maintained and information processing center. ALTAY facilities have "National Secret" and "NATO Secret" level facility clearances. ALTAY was registered as Research & Development Center by the Ministry of Industry and Technology in 2017.

ALTAY has a robust company culture based on its more than 60 years of experience, know-how at the corporate level including its long standing sectoral knowledge. In this context, ALTAY offers customer specific designs and whole system solutions according to its customers' projects and their focused requirements. ALTAY Software's primary domain expertise are;

- Command Control Systems
- Simulation and Education Systems
- System and Software Test Solutions
- Tactical System Solutions
- Tactical Data Link Solutions

- Autonomic System Solutions
- Sensor Integration and Data Fusion
- E-Government and Institutional Solutions
- Industry 4.0 Solutions
- Integrated Logistic Support Solutions
- Defense Products and Services
- Maintenance and Operation
- Industrial Products
- De-mining Services
- UXO Clearance Services
- Unexploded Ammunition Clearance Services

ALTAY has strictly bound to its confidence based management perception and delivered software & technology products and services to its prominent customers as promised. Institutions and companies were ALTAY had the privilege to offer its products and services can be listed as;

MINISTRY OF NATIONAL DEFENCE, MINISTRY OF INTERIOR, NATIONAL SECURITY COUNCIL, TURKISH LAND FORCES COMMAND, TURKISH NAVAL FORCES, TURKISH AIR FORCES, ASELSAN, TAI,ROKETSAN, HAVELSAN, FNSS, TÜRKSAT, ALTINAY, TOBB, KONGSBERG DEFENSE SYSTEMS, KONGSBERG MARITIME, KONGSBERG NORCONTROLIT, KONGSBERG GEOSPATIAL, NORWEGIAN NAVAL FORCES, SOUTH KOREA NAVAL FORCES, PHILIPPINES ARMED FORCES, DYNACORP, TELEPHONICS, DENEL MECHEM, L3 COMMUNICATIONS, L3 LINK SIMULATIONS, GAMA, NITROMAK, ANKEY CONSULTING, POZİTİF DRILLING, KOCATEPE TECHNICAL METAL INDUSTRY AND TRADE.



## Karel Your Communications Partner

Karel AG102 and TAG102 – Gateway devices convert the connected FXS, FXO, ISDN PRI and HF/VHF radio interfaces into Ethernet/IP data and transmit it to IP networks via IP ports. Gateway devices not only satisfy MIL-STD-810G and MIL-STD-461F military standards, but also can be configured according to customers' requirements. Karel TAG102 provides the communication of satellite or ethernet networks with analog radio connections and supplementary element for tactical field IP communication. Karel DS200T military PBXs have ability to communicate local and remote users via HF-VHF radio interfaces and also E1 and IP lines with radio link connection capability. These platforms provides data and voice transfers; supports any type of IP/SIP phones as subscriber and it makes video conversations possible.



[www.karel-electronics.com](http://www.karel-electronics.com)

**KAREL**  
Unifying Communications

# ALTEK

Aluminium Alloys Manufacturing and Services

**altek**  
Metal San. ve Tic. A.Ş.

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**Candan Karabağlı** Ceo

**Volkan Erciyas** Sales & Marketing Manager

**Muammer Harmancı** Cfo

## Profile

ALTEK METAL San. ve Tic. A.Ş. founded in 1987. Still it has tree manufacturing/service center and 12000 m2 indoor area.

Since 1987 the leading Aluminium distributor of Turkey with the largest global network.

Producing of 5083 Cast Plates & Precision Milled Tooling Plates.

Experts in precision cutting for sheets, plates, tanker & marine sheets, round & flat bars, tubes, etc.

The leading company of Turkey in quality, system approach, traceability & sustainability.

STOCK: Aluminium Plat, Coils & Sheets, Shates, Round Bars & Flat Bars, Profiles: Tubes, Elbows, Special Profiles & Fitting Elements

MAIN SERVICE : Water Jet Cutting, Round Bar & Flat Bar Cutting, Circular Cutting, Cut To Length from Aluminium Coils, CNC,

CUT TO SIZE:

We cut materials with 0,2 mm closed tolerances by

Thanks to this, loss of material due to need for excess our special cut machines leeway and time loss during the set square procedure at the CNC bench are prevented.

We provide high dimensional and angular accuracy due to strip aligning device.

ALUDUR & ALUDUR PLUS

We produce 5083 Cast Plates and Precision milled Tooling Plates under the brand name ALUDUR and ALUDUR PLUS

- By adapting and extended thermal heat treatment the material becomes homogenized and thermally stress relieved. The high stability leads to cost saving on extra operations such as rough milling, finishing or re-works.

- Each plates inspected for thickness, flatness, surface roughness and any other defects and finally covered with PVC foil for protection.

MAIN FIELDS OF APPLICATION OF ALUDUR & ALUDUR PLUS

- Aircraft Industry Tooling Plates
- Automotive Industry Tooling Plates
- Base Plates, Side Plates and Indexing Tables
- CNC Routing Tables
- Checking Fixtures, Gauges and Templates
- Dielectrics & Electronics
- Food Machinery Parts
- Heating and Cooling Platens
- Medical Instrumentation
- Packaging Machinery and Moulds
- Plastic Components Manufacturing
- Printing Machinery
- Robotics
- Vacuum Chunks

AS 9120 QUALITY MANAGEMENT SYSTEM

- We are among in the limited number of Stockiest Distributors who can provide Aerospace Requirements on all over the World with obtaining the AS9120 Quality System in 2010, ALTEK METAL is in a position of being able to provide directly materials for the Defense & Aircraft Industries.

MARKETS

- Defense and Aerospace Industry
- Shipbuilding Industry
- Machine & Mould Industry
- Tanker & Silo Industry
- Automotive Industry
- General Engineering



**MMU**  
TURKISH FIGHTER

**GÖKTÜRK**  
EO SATELLITE



**TURKISH  
AEROSPACE**



**HÜRJET**  
ADVANCED JET TRAINER AND  
LIGHT ATTACK AIRCRAFT

**ANKA**  
MULTIROLE UAV SYSTEM



**HÜRKUŞ**  
ADVANCED TRAINER AIRCRAFT



**GÖKBEY**  
MULTIROLE HELICOPTER



**T129 ATAK**  
MULTIROLE COMBAT HELICOPTER



Turkish Aerospace  
Subsidiary of TAFF and an affiliate of SSB

[www.turkishaerospace.com.tr](http://www.turkishaerospace.com.tr)

**THE SKIES AND BEYOND**

# ALTINAY

Equipment and System Development for Defence and Aerospace Industry



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**Hakan Altınay** Chairman

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**Z. Burak Mercan** Deputy General Manager

**M. Kemal Berkkan** Deputy General Manager

## Profile

As a part of ALTINAY group, ALTINAY Aerospace and Advanced Technologies aims to steer our country's technological advancement by developing high value added, unique, human and nature considerate products for the Defence and Aerospace Industry on a foundation of national resources and high skill workforce since 2014. Towards this aim, we offer unique and domestic engineering solutions for the design, manufacturing, analysis, commissioning and installation stages of Electro-Mechanical Motion Systems, Unmanned Aerial Vehicles, Mobile Robots and Ammunition Disposal Systems. Apart from unique designs for customer requirements, we offer our services to Defence and Aerospace Industry, as well as General Industry, with a line of qualified off-the-shelf products. Our three core business areas are:

Motion Systems:

Actuators

Telescopic Mast Systems

Stabilized Platforms (Turrets, Gimbals, Pedestals)

Stewart Platforms

Hardware-in-the-Loop Test Systems

Bomb Rack Units

Manipulators

Unmanned Systems

Unmanned Multirotor Aircrafts

Unmanned Land Vehicles

Unmanned Naval Vehicles

Demilitarization Systems

Ammunition Disassembly

Ammunition Cutting

Explosive Disposal

Altinay Aerospace and Advanced Technologies HQ, engineering and manufacturing facilities are located in İstanbul. The company also has a dedicated team in Ankara to serve our customers. Our customers and solution partners not only in Turkey but also in Europe, USA and Middle East enjoy our cost effective, competitive and tailor made solutions.

# CANOVATE®

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## FalconView

Color Night Vision Camera

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- Critical infrastructure security
- Electro-Optical Radar for perimeter security
- Cost effective panoramic perimeter detection
- 360 degree panoramic thermal view
- Smart video analytic software feature
- Alarm generation with threat assessment
- Rapid installation and portability
- View and record in colors during day and night
- Low light imaging with FalconView
- Color night vision imaging



PanTher Radar



FalconView



# ALTOY

Defense Industry and Aviation



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**D. Halit Yılmaz** Chairman / Ceo

## Profile

ALTOY Defense Industry and Aviation Inc. is a Turkish Company founded on February 7th of 2014, as an affiliation of AeroVironment, Inc. (USA).

ALTOY aims to develop & manufacture high technology Unmanned Aerial Systems in Turkey, marketing and sales of such technologies to the world market, test, operate, maintain and repair of these.

ALTOY also has the exclusive rights of joint manufacturing, marketing & sales of AeroVironment Inc. products to the hinterland of Turkey including 20 friendly States.

ALTOY's Vision is;

Bringing advanced UAS technologies to Turkey,

Manufacturing these systems in Turkey and export to global market through Turkey,

Performing maintenance of these systems,

Becoming the foremost company in remote sensing projects.

ALTOY's products are small UAVs (Puma AE, Raven B, Wasp AE, Quantix) manufactured by AeroVironment Inc.

ALTOY's UAV Systems has operational capabilities such as; Defense, Border Security, Surveillance & Reconnaissance, Search & Rescue, Security of Oil & Gas Pipelines, Utilities, Intelligence Gathering, Agricultural Analysis, Fire Prevention, Wide-Band Data Communications, Datalink & Relay.

ALTOY takes its name from the largest flying bird of Turkey, Great Bustard (Otis tarda), Toy (in Turkish).



## AMEGA

Amega Develops Simulation Solutions for Defense Industry, Aviation, Automotive, Construction Equipment, Navigation, Gaming, Education Industry, Academic Researches and Specific Projects



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**Hakan Yıldırıcı** Managing Partner

**Merve Selin İşmen** Corporate Communications & Marketing Specialist

**Mustafa Koyuncu** Mechatronics Engineer

## Profile

AMEGA, is a project design and engineering company, founded in 2004. It develops simulation solutions for defense industry, aviation, automotive, construction equipment, navigation, gaming, education industry, academic researches and specific projects.

We are producing Turkey's first mass production Motion Simulation Bases since 2011. Customer satisfaction maximised by supporting every phase of project design and production with our engineering experience. Expert after-sales team ensures years-long problem free operation.

Our company is ISO 9001:2008 certified.

Products:

Bell 429 Full size Helicopter Replica and 3DOF Motion Simulation Platform

Cobra II/Scorpion Replica and 6DOF Motion Simulation Platform

Military Vehicle Training Simulator

3DOF Full Electric Motion Simulation Platforms

6DOF Full Electric Motion Simulation Platform

Parachute Operations Training Simulator

# ANADOLU SHIPYARD

Naval Ships, Commercial Ships and Other Sea Platforms Building



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**Ayşe Güneş** Finance  
**Zafer Turan** Procurement  
**Ahmet Çetinkaya** Production  
**Akif Doğan** Design  
**Levent Uzun** Human Resources  
**Olcay Tüter** Planning & Contract Management

**Deniz Celbiş** Weapons & Electronics  
**Erçüment Dokanaoğlu** Business  
Development and Marketing

## Profile

ANADOLU Shipyard (ADIK), first established in 1950's at the Golden Horn, later moved to Tuzla area and acquired on 28 December 2004 by Furtrans Group, has built over 160 Commercial Ships, including Dry Cargo and Container Ships, Passenger Ships, Tugs, Tankers and Chemical Tankers, up to now. Starting from 2007 onwards, ADIK decided to diversify its activities in order to cover also Naval Shipbuilding activity. In line with this strategic decision; ADIK Naval Defence Group was formed to conduct Ship building and outfitting processes regarding all Naval Vessels. To meet the clients operational requirements; ADIK Naval Defence Group has an in-house strong engineering department covering the complete design, production, integration, building and installation processes in order to execute our projects in defined cost, scheduled time and at utmost quality. As a consequence, ADIK won its first tender for the 8 (Eight) Landing Craft Tank (LCT) and the contract was signed with SSM in June 2009. Project was completed on time by delivering 8 (Eight) Vessels, namely TCG Ç-151 to TCG Ç-158 to Turkish Navy between March 2012 and August 2012. After this success, ADIK took a step forward for an even bigger project. ADIK has won the tender for 2 (Two) Landing Ship Tank (LST) Project for Turkish Naval Forces Command. These vessels were built according to NATO and all other relevant Navy standards. The Project was started in June 2013 and ADIK Class LSTs have been delivered to Turkish Navy in April 2017 and 2018. In addition to the amphibious ships, ADIK is also capable to design, build and integrate Patrol Boats, Fast Patrol Boats, Corvets and Logistic Ships. After signing contract in August 2018, New export project, for building two Naval Cadet Training

ships to Qatar Emiri Navy, has been executed. ANADOLU Shipyard has National Plant Security Clearance Certificate and NATO Security Clearance Certificate since 2009 (qualifying as one of the very few shipyards to hold this certificate in Turkey). ANADOLU Shipyard has also Environmental Management, Occupational Health and Safety and Quality Management Systems Certificates.

# ANOVA

Design and Development - Defence Industry



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**Emre Öztürk** Co-Founder

**Mustafa Özer** Gelişli Co-Founder

**Dursun Öner** Managing Partner

## Profile

The ANOVA Group comprises four companies:

Anova R&D Technologies Industry And Trade Inc. Co. Engineering and Computer Com. Ltd. which is a design and simulation software and high performance hardware product and service provider (2003),

Anova , which is a design, simulation and R&D company whose office is in ODTÜ Teknokent (2008),

Anova Defense and Automotive Inc., which is a manufacturing company that produces products designed for the defense sector (2013), and

Numesys Software Systems Inc., which has Elite Channel Partner status, and is the representative of ANSYS, founded in partnership with Figes Inc. (2018)

These are the legal entities that operate within the framework of R&D Today for Tomorrow.

In addition to supporting the defense sector with unique product designs, localization and technological advances, ANOVA also provides services to various branches of industry, including the automotive, major appliances, energy, environment, construction and mechanical manufacturing sectors from its offices in Ankara, İzmir, İstanbul, Bursa and Konya, in the areas of engineering and design. It also has a facility in the Ankara Sincan Organized Industrial Zone.

ANOVA's goal is to produce technologies that decrease our external dependence through localization and technological advances, thus ensuring our companies maintain the ability to create unique

designs through Computer-Aided Engineering, to reduce the duration and cost of design processes, to increase the efficiency of their products and give our companies a say in the global market.

Anova's experience comes from the fields of mechanical design, electronical design, software development and simulation technologies, which it uses to contribute in an integrated way to such areas that are vital for our defense sector as:

- Weapon Systems and Military Platform Integration Projects
- Environmental Air-conditioning Systems
- Turbomachines
- Cabin - Console Systems
- Other Projects

As an important strategic business partner of ASELSAN, ANOVA has designed, manufactured and produced many products that were previously procured from abroad, and has played an important role in decreasing our external dependence through its unique products.

# ARES SHIPYARD

Ship Building, Naval Vessels, Patrol Boats



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**Ersan Kotiloğlu** Shipyard Manager  
**Özgün Utku Alanç** General Manager

## Profile

ARES Shipyard was founded in 2006 by Kalafatoğlu family, shipbuilders and sailors from the ancestors from Trabzon, Turkey commencing with successful deliveries of pleasure craft. Nevertheless, a critical milestone has taken place in ARES history after gaining experience in aluminum, steel and composite production. The company has gone through specialization in military and para-military craft with a strategic decision change. Within this context, the shipyard has aimed to become an international defense industry company by investing in human resources, integrated logistics support, quality management and advanced production technologies. The investments resulted in a substantial amount of sales of vessels to various naval forces, coast guard commands, maritime police, and customs directorates, most of which were export programs. Oman, Bahrain, Nigeria, Qatar, Georgia, Tanzania, Republic of Northern Cyprus and Turkmenistan are among the export countries up till today.

ARES has four air-conditioned production facilities in Antalya Free Zone with an enclosed area of 30.000 m<sup>2</sup>, harbor launch, metal, composite and carpenter workshops, paint ovens, training classrooms and visiting client offices with quality management system certificates of ISO 9001, ISO 14001 and ISO 18001, production license and NATO level security clearance granted by the Turkish MoD.

# ARGELA

Research, Development and Innovation Center for 5G Enabling Technologies



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**Selim Sarper** Coo

**Metin Balcı** Research Technology and Innovation Center Head

**Savaş Tanyeri** Wireless Access Technology and Innovation Center Head

**İsmail Bayraktar** Network and Services Technology and Innovation Center Head

**Burhanettin Takanay** Network and Services Technology and Innovation Center Head

## Profile

Being established in 2004, Argela joined Turk Telekom Group in 2007. We operate as a research, development and innovation center in the field of next-generation telecommunications technologies, in particular enabling technologies for 5G. With its patent applications and intellectual property assets in the U.S., the Company creates added value in the field of next-generation telecommunications technologies, both in Turkey and abroad.

Argela develops high end technologies and solutions for challenging requirements of commercial, defense and government communication projects. It positions its products to telecom operators, Government and Public Safety Sectors globally. While developing products for the current market, Argela continuously searches for the next disruptive technologies and products.

Argela has a wide presence in Central Asia, Middle East, Africa and Turkey with multiple deployments of Regulatory Solutions, Network Performance Monitoring and Intelligent Network Products in various telecom operators.

In the domestic market, Argela develops strategic projects in collaboration with the defense industry. In addition to the 4.5G/LTE Communication System Development Project (ULAK) signed with Turkish Undersecretariat for Defense (SSM) in 2013, the Company also works on Software Defined Networking infrastructure project for public safety and government networks under the MILAT Project signed in 2015 with SSM. Further, Argela continues to collaborate with several government agencies on various other projects related to the defense industry.

Argela operates with high-skilled and experienced personnel

having 75% of the staff in R&D. Furthermore Argela collaborates worldwide with technology companies and consortiums to provide integrated solutions.

Argela's solution portfolio includes:

5G Programmable, Virtualized and Sliceable Radio Access Networks

Software Defined Networking and Network Function Virtualization based Network Infrastructure with Enhanced Security and QoS Features

Network Performance Monitoring and Subscriber Analytics

Regulatory Solutions

Signaling Applications

4.5G Macro Base Stations

Fixed Mobile Convergence

Small Cells (LTE)

Autonomous Mobile Network (3G and 4.5G LTE-A/AMoN)

The company also carries out a number of projects with various universities and companies within the framework of the European Union FP7 and Celtic Programs.

ARGELA established the ARGELA 5G Center of Excellence in Ankara, in coordination with more than 20 professors from 10+ universities and national/international laboratories, in 2016.

Headquartered in Istanbul, the Company has R&D facilities in Ankara and Sunnyvale, California, USA.

## ARTRON

Design and Production Expert for The Electronic Hardware and Embedded Software at Both System And Subsystem Level for Defence Industry and Aviation



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**B. Azra Timur** Director, Program Management & Business Development  
**Gençer Genç** Director, Avionics Systems  
**İsmail Kaya** Director, Finance

## Profile

Basic products, uniquely developed by ARTRON:

- Mission avionics (for missile and unmanned platforms)

Onboard Computer

Inertial Measurement Unit

Safe and Arm Devices (SAD)

Control Actuator Electronics

Onboard Flight Termination

Telemetry and Flight Termination

- SMS: Store Management Solutions

SMC: Store Management Computer

SIU/RIU: Store/Rocket Interface Unit

- Operation Management Systems for Land/Air/Sea Platforms

- INS: Inertial Navigation System Technologies

- Communication Control Units

- Electromechanical Fuzes for Grenade Ammunition

- Electromechanical Control Units

- Ruggedized Industrial Computers

- Vehicle Computers

- Integrated Test System Solutions

# ASELSAN

Defense, Security, Transportation, Energy and Health Electronics

# aselsan

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**Oğuz Şener** Deputy General Manager

**Mustafa Kaval** Deputy General Manager

**İbrahim Bekar** Deputy General Manager

**Hakan Karataş** Deputy General Manager

**Mehmet Çelik** Deputy General Manager

**Okan Turan** Deputy General Manager

**Osman Devrim Fidancı** Deputy General Manager

## Profile

ASELSAN is an advanced engineering company serving for nations' security, development and prosperity since 1975. Having the advantage of its wide variety of solutions spanning from defense electronics to mission systems, ASELSAN assures performance and quality metrics of its clients including government, public and commercial ones. With our unique legacy of designing, manufacturing, training and field supporting our unmatched products, ASELSAN offers the best value with on time and in budget deliveries.

The company is headquartered in Ankara, Turkey and has various engineering and manufacturing plants in Turkey, South Africa, Kazakhstan, Jordan and Azerbaijan. With its global expansion, ASELSAN is providing reliable and state-of-the-art technologies including end-to-end defense solutions, transfer of technology programs, localization efforts over 60 countries worldwide. We vigorously consider all opportunities that creates value for people and planet.

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**Alper Ünsoy** Chairman of The Board

**İbrahim Bekar** Board Member

**Mutlu Bayar** Board Member

**Murat Şahin** General Manager

**Kürşad Erbaş** Vice General Manager

## Profile

Aselsan Sivas is established for nationalization of mechanical and optical parts of weapon sights, night vision, goggles and electro optical devices that are designed by ASELSAN.

Aselsan Sivas is officially opened at 28 th of May 2016. Totally 200 personnel is employed at this plant. 20 of these are engineers.

Grinding, polishing, measuring and centering processes are made at optical manufacturing department by using manual and very precise CNC machines. Aselsan Sivas has an annual manufacturing capacity of 20.000 weapon sights, 20.000 night vision goggles, 15.000 various objective sets and 20.000 ocular and collimator sets. Visible lens manufacturing is nationalized with start of production at Aselsan Sivas. In the last year, it has manufactured 100.000 lenses, prisms, optical windows and 80.000 mechanical parts.

Optical thin film coating process is done in a class 10.000 level clean room conditions. Multilayered coating of optical thin films are practiced under high vacuum for obtaining the transmission and reflection values that are required by the design. Finished lenses and witness samples are controlled by visual inspection after coating processes. Witness samples are put under different performance and environmental tests. 99 % transmission, 99% reflection requirements can be fulfilled. Each step of production is confirmed with spectrophotometric measurements.

In the mechanical manufacturing department, technical drawings of the parts that are designed suitable to the standards are taken as reference and parts are machined with removal of different sized chips from them for reaching required geometrical design and size.

This process is done with very precise CNC turning and milling machine in the facility. All these mechanical parts will be verified with CMM machine measurements.

In the assembly department, technical drawings of the subassemblies are taken as reference and they are manufactured accordingly. Finished subassemblies are assembled for forming whole device and finished devices are tested with respect to system requirements and environmental tests for reaching finished product. All intermediate steps go through quality inspections and nonconformities are reported. This process is repeated during 3 shifts until reaching the perfect product.

In all phases, from the entrance of raw material to warehouse up to finished product AS9100 military and ISO 9001 quality management system standards are followed in each quality control steps.



# ASPILSAN ENERGY

Defence Industry and Energy



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**Bedri Dursun** Vice Chairman of The Board  
**Ali Ata** Member of The Board  
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**Gökhan Demirci** Research and Development  
Director  
**Nihat Aksüt** Logistics and Sales Manager  
**Şule Hüsrevoğlu** Quality and Certification  
Manager  
**Murat Aydın** Production Manager

**Murat Kaan** Business Development Manager  
**Erol Postallı** Financial Manager  
**Alparslan Turan Ünlü** Human Resource  
Manager

## Profile

ASPILSAN ENERGY was established on May 21, 1981 on a capital donated by real and legal individuals from the province of Kayseri on a total area of 16.000 m<sup>2</sup>, 3.000 m<sup>2</sup> of which was closed, in the Kayseri Organized Industrial Zone.

Turkish Armed Forces Development Foundation is the major shareholder with 98% of shares and other shareholders are ASELSAN, Turkish Union of Chambers and Exchange Commodities, Kayseri Chamber of Industry and Kayseri Chamber of Commerce.

ASPILSAN Energy mainly designs and manufactures a wide range of batteries used in various type of aircrafts, radios, weapon systems, thermal systems, robotics and medical devices, battery blocks, chargers, battery protection and management circuits and energy storage systems, and also provides testing, analysing and engineering services for the same.

ASPILSAN Energy is the first and the only company in Turkey that produces Nickel cadmium aircraft batteries.

It has three Research and Development Centres.

- Kayseri Centre of R&D: The R&D Centre is located in the main facilities in Kayseri and focuses on designing batteries and developing technologies for them.
- Ankara Centre of Design, Product Development and Innovation: The centre is located in the METU TechnoCity and focuses on electrochemical materials.
- Istanbul Centre of R&D: The centre is dedicated for Maritime Platform Batteries and Fuel Cells as well as conducting various R&D activities required time to time.

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**Sadullah Öner** Deputy General Manager

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**Ali Rıza Gülgan** Defence Project Supervisor

## Profile

ASSAN İş Makinaları Yedek Parçaları İmalat San. Ve Tic. Ltd. Şti. was established in 1986 in order to meet spare parts need of earth moving machinery (graders, excavators, loaders etc.)

In 2011, ASSAN upgrade the production area (total 46.000 m<sup>2</sup>; 39.000 m<sup>2</sup> enclosed) with 113 high technology CNC and 40 Universal benches and it became the biggest spare parts facility in Turkey. Thanks to its "low cost – high quality" production mentality, ASSAN has been main spare part supplier of Caterpillar Inc.- the global leader in construction and mining equipment manufacturer, since 2014 and exports more than 16.000 pcs different kind of products to 56 countries in 6 continents.

After achieved National & NATO Facility Security Certificate in 2018, ASSAN aimed to use its 30 years' civil production experience in Defense Industry to manufacture spare parts (especially moving parts) for military vehicles and heavy machinery used by not only Turkish Armed Forces but also allied armed forces. Therefore, ASSAN has supplied different kind of defense products to government/semi-government organization as contractor/sub-contractor, since 2015.

ASSAN's main defense industry products:

- MK Series (81, 82, 83, 84) General Purpose Bomb Bodies (also with steel balls) and Tails
- 60mm, 81mm and 120mm Mortar Launcher
- 40/70, 76/62 Naval Gun System

- Different Kind of Heavy Weapon Ammunition Bodies

ASSAN's certificates are as follow:

- NATO & National Facility Security Clearance
- Production Permit by Turkish Ministry of Defense
- ISO 9001:2015
- OHSAS 18001
- ISO/IEC 27001
- AS/EN 9100

References:

- MKEK
- ROKETSAN
- CATERPILLAR

ASSAN always honored to serve homeland security and defense by both reduce the costs and increase the quality for its customers.

# ATA ARMS

Firearms Manufacturer



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**Kerem Ersoy** Sales & Marketing Manager

**Yagızhan Yollu** Business Development Specialist

## Profile

ATA Arms is one of the biggest firearms manufacturer and exporter of Turkey, exporting to more than 70 countries around the world. We have been a pioneer to the Turkish market, manufacturing the first Side by Side (1967), the first Over&Under (1973), the first Semi-Automatic shotguns (1992) and the first Bolt Action Hunting Rifle (2015) of Turkey. After having rifle production licence, we worked on national assault rifle project and produced the main parts of MPT 76, then immediately we have started our own sniper rifle and assault rifle projects. At the same time grenade launcher project was going on and in the year 2018, ATA ARMS became an exhibitor in many domestic and international defence fairs all around the world.

Our main products are listed below:

- ASR Multi Caliber Sniper Rifle (338Lapua Mag - 300Win Mag - 308Win)
- ALR Long Range Rifle (308Win / 243Win / 6.5Creedmoor)
- BA 40 Granade Launcher (40mm)
- ATA 1955 Magazine Fed Shotgun (12ga)
- ETRO Pump Action Shotgun (12ga)

## ATEL

Defense Industry, Rf Jammers, Electronic Warfare, Avionics,  
Communication Systems, Mobile Tracking Systems (M2M/IoT)



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**İbrahim Keskiner** Deputy General Manager

**Barış Şenocak** Business Development Manager

**Ekrem Aras** Head of R&D Center

**Fahrettin Uğural** Group Manager of Technical Operations

**Nedim Hakkı** Group Manager of Financial & Administrative Affairs

## Profile

ATEL Technology and Defense Industry Inc. was established in 1997 in Ankara, and is currently focused on design, development, manufacturing and logistics support of defense industry products, RF Jammers, avionics, communication systems, Mobile Tracking Systems (M2M/IoT).

ATEL has been certified by ISO 9001:2008, ISO 14001:2004, ISO 27001:2005, OHSAS 18001:2007, and holds TSE – Service Competency Certificate, “National Secret” and “NATO Secret (NS)” level Facility Security Clearance, Turkish MoD Production Permission and Export Permission (for specified products). ATEL is also working as approved subcontractor for the major Turkish defense companies named in the Defense News Top 100 List like ASELSAN and ROKETSAN.

The company serves prominently to Turkish Armed Forces, Turkish National Police and other state and private institutions with its specialized workforce who are recognized leaders in their respective field of expertise, with an extensive knowledge base achieved through years in real-world experience. The R&D projects of the company on Radio Frequency Jamming Systems which began in 2000's, brought its results as high performance & reliable RF Jammer products against RCIEDs and also produced anti-drone jammers recently. ATEL proudly presents its products and capabilities on these systems to the world defense industry community.

Main fields of operation are;

Defense Industry: Design, development and manufacturing of high technology defense products particularly in EW field (Military Type

RF Jammers, Anti-drone Jammers).

Avionics: Design, development and manufacturing of some airborne interface and control equipment

Communication Systems: Radio management system, digital intercommunication system for armored vehicles

Mobile Tracking Systems (M2M/IoT): RFID based Weapon and Inventory Management Systems, RFID and GPS/GNSS based person, vehicle, commodity and pet tracking applications.

Electronic Components Supply and Distribution: Distributor of a significant number of well-known brands in electronic component production and PCB production.

ATEL aims to add value and seeks perfection on each and every project. It keeps the pace with the technology, not only on the R&D projects, but also on the manufacturing of contracted projects. Its primary objective is to offer right, effective and world class solutions to its global customers.

With its Head Office in Ankara, ATEL is proud of serving as a global company to its business partners throughout the world and also helping global companies meet their offset obligations in Turkey.

# AVS

Military Textile and Equipments



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**Elif Duygu Elmacı** Production Manager  
**Hacer Alagöz** Quality System Manager  
**Muhammed Furkan Yıldız** Foreign Trade Specialist

## Profile

AVS Savunma Tekstil Sanayi Dış Ticaret Ltd. Şti. is a limited company which was established in 1998 in the field of defense industry, initially to supply the clothing and equipment requirements of the Turkish Armed Forces and Turkish National Police Department.

The founder and owner of our company is Mr. Orhan Ertürk. At the same time, he is the President of the board and the sole authority.

In accordance with the aim of the establishment of the company, in the last 20 years since AVS Saracıye Tekstil Konfeksiyon Spor Malzemeleri ve Hediyeelik Eşya Elektrik Elektronik İmalat Dış Ticaret Ltd. Şti. was established, the company initially continued to supply the clothing and equipment requirements of the Turkish Armed Forces and Turkish National Police Department. At the same time, AVS Saracıye Tekstil Konfeksiyon Spor Malzemeleri ve Hediyeelik Eşya Elektrik Elektronik İmalat Dış Ticaret Ltd. Şti. became a company which supplies the clothing and equipment requirements of the Armed Forces and Police Departments of, Balkan, Middle East, Africa countries and Türki Republics and also NATO –NSPA, with the aim of Quality and Customer Satisfaction.

Our company is not satisfied with this and under the leadership of our founder Mr. Orhan Ertürk, we made the necessary breakthroughs and expanded our product range by analyzing correctly the occurring changes which are growing and diversifying by the development of economic and technological process in all over the World in the requirements of initially the Turkish Armed Forces and Turkish National Police Department and at the same time the foreign countries Armed Forces and Police Departments.

With the expanded product range, in the framework of the

distributor contracts signed with the leading companies in the field, AVS Savunma Tekstil Sanayi Dış Ticaret Ltd. Şti. became a supplier of the ballistic protective vest, ballistic protective helmet, a variety type of bullets, ammunition and weapons, at the same time night vision, infrared and thermal vision systems and sight binoculars, binocular laser rangefinder, and stabilize binoculars needs. Which are the requirements of both Turkish Armed Forces and Turkish National Police Department and also the Armed Forces and Police Departments of, Balkan, Middle East, Africa countries and Turki Republics and also NATO –NSPA.

Additionally, our company participates in international exhibitions both domestic and abroad in defense industry such as IDEF, KADEX, ADEX, SOFEX, IDEX etc.

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**Öznur Sunay** Deputy General Manager

**Volkan Palaz** Deputy General Manager

## Profile

AYESAŞ, as an internationally competitive Engineering and Manufacturing Service provider, offers best valued solutions in air defense systems, advanced electronics assemblies for naval and airborne systems and safety critical avionics & embedded software. Broad range of capabilities includes products and services from design and development to build-to-print manufacturing, from system engineering and integration to safety critical embedded software development.

Core Business Activities for Various Platforms;

Command, Control & Integrated Communication System Solutions

Integrated Platform Control & Monitoring System Solutions

Safety Critical Aviation Applications & Embedded Software Development

CCA design & manufacturing

Wiring Harnesses design & manufacturing

Rugged Electromechanical Assemblies

Integrated Platform Control & Monitoring System Solutions

Helicopter Terrain Awareness Systems (HTAWS)

## AYYAZILIM

Vehicle Electronics



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## Profile

Ay Yazılım was founded in 2005 with the objective to become specialized on electronic systems and has been performing engineering services in electronic field, test systems, communication and computer systems. Its has been conducting activities especially on meteorology systems and vehicle integration.

### Activity Fields:

Design and production of electronic, software and system for special-purpose vehicles

Design and production of electronic, software and system for civilian vehicles

Design and production of electronic, software and system for vessel integrated platform management systems

Design and production of meteorology systems

Custom electronic and software design according to customer requirements

Product services and projects

Design and production of driver consoles

Design and production of military cabling/wiring

Design and production of special quality cooling systems

Meteorology system integration and supply of sub-components

Test system designs for the test of special systems

Shipping simulators

# BARIŞ

Composite Design and Manufacturing / Aerospace



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**Hüseyin Arabul** Chairman  
**Fikret Şenel** Ceo / General Manager

## Profile

BARIŞ was founded in 1979 in İzmir for the production of transformers encapsulated by epoxy resin and silica powder. In 1983, filament winding technology has been acquired. Also, composite pipes have been manufactured by resin transfer into a closed mould since 1980s.

In 1989, company has shifted to the current facilities located in Ankara and concentrated on defense projects. Since then, BARIŞ has gained a reputation in composite field of Turkish Defense Industry.

R&D department was founded in 1995. Owing to research studies, BARIŞ received an R&D award in 1996, 2007 and 2008. BARIŞ participated in various R&D projects and has co-operation with the Universities and TUBITAK.

BARIŞ initiated launcher production program for ROKETSAN in 2003. 122 mm grooved launch tubes were produced for ROKETSAN by one step production with filament winding and the method of production is patented (TR 00746 1998). Başı produced various all composite launch tubes such as 66mm LAW Launch Tube, STINGER Launch Tube, ERYX Anti Tank Launch Tube, 127 mm Launch Tube, 107 mm Launch Tube, 300 mm Launch Tube. BARIŞ has been manufacturing the war head composite body of 122 mm MLRS and 500 lb Pre-Fragmented Drop Bomb Body since 2002.

In 2004; BARIŞ became a qualified vendor of RAYTHEON-USA for Coolant Reservoir Assembly, a critical sub assembly of Standard Vehicle Mounted or Air-to-Air STINGER Missile System. BARIŞ acquired infrastructure for composite pressure vessels that can

bare internal pressures up to 2.000 bars.

Başı developed and produced Pilot Helmet Shell for Military Pilots and Armored Vehicle Crew Helmet of Turkish Army as a subcontractor of ASELSAN. Delivery of 28.000 helmets finished successfully by 2016.

In 2012; BARIŞ started R&D projects for personal protection and produced various state-of-the-art products for Army and Police Forces such as ballistic shields, vests and helmets.



## BARTEZ

Manufacture of Bulletproof Laminated and Safety Glass



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**Alaattin Tezgen** General Manager

**Bariş Sevim** Assistant General Manager

**Emre Çingay** Manufacturing Planing and Quality Manager

## Profile

### COMPANY PROFILE

TEZGEN OTOMOTIV LTD, under Armor Protected Glass brand, is a safety glass producing company that has been meeting the needs of its customers around the world for the past 45 years. Enduring investments on know how and machinery and equipments ; Tezgen has been also offering a wide variety of products and services in bulletproof glass for the last 15 years Basically ; Bulletproof glass is a security glass which is consisted of laminating the multilayer laminated glass and polycarbonate sheet layer.. Multilayer laminated glass is constructed to flatten;the bullet, and absorb energy of it, while polycarbonate shows perfect performance on preventing the spalling. at ArmorProtected Glass ; our ultimate target is to produce the thinnest and lightest bulletproof glass.

### QUALITY POLICY

Bullet-proof laminated glass production in the industry to be a leader in quality; production of superior quality, reasonable prices, ensuring timely delivery conditions, to keep customer satisfaction at the highest level, without compromising on quality in any condition to ensuring the continuous and widespread adoption that teamwork training. Continuous innovations and developments in our industry to follow, legislation, standards and complying with the requirements of the quality management system to ensure continuous improvement of the quality policy Bartez glass is A.S.

# BEST GRUP

Best Grup Savunma Sanayi Tic. Ltd. Şti.



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**Burhan Tunç Özkan** General Manager  
**Yavuz Bayezitoğlu** Assistant General Manager  
**Özgür Derebaşı** Assistant General Manager  
**Mustafa Tümtaş** Factory Manager  
**Murat Kartal** Product Manager

## Profile

Best Grup Sav. San. Tic. Ltd. Şti., since it was established, has been operating in manufacturing, import and export aimed at Security and Defence Industry. In this context, it manufactures primarily the followings;

- Remote Controlled Armored Construction Equipment
- Armored Remote Controlled Wheeled Loader
- Armored Remote Controlled Backhoe Loader
- Armored Remote Controlled Mini Loader
- Koralp 7,62 and 12,7 RCWS (Remote Controlled Weapon Station)
- Weaponized Operation Robot with Koralp RCWS (Remote Controlled Weapon Station)
- Armored Vehicle
- Armored Security Boots
- Armored Ballistic Shield
- VTOL Unmanned Aerial Vehicle

Our company shows vigorous efforts in accordance with the goal of the development of national interests becoming forefront recent years in Turkish Defence Industry. The required works come to an end in gaining this capability in homeland defence by using domestic facilities. The manufacture of abovementioned systems are being planned in the near future. Our company, in accordance with ISO quality security management standards with experienced, specialized manufacturing and R&D staff, offers various options to needers in line with both civil and military purposes with the idea of keeping the life safety in the forefront. The company, away from having the characteristics of importing the technology, is a

producing company which attaches importance to the innovation. Best Grup produces quality solutions in security and defence issues needed by the persons and organizations with its reliable and specialized staff. Making production by using the technologies required by the times, Best Grup offers service according to emerging short and mid-term needs.

# BİTES

Defence, Aviation, Space, Ict



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**Uğur Coşkun** Ceo & General Manager

**Ebru Coşkun** Vice President

**İhsan Yusuf** Akbuğa Vice President

**Erinç Albayrak** Vice President

## Profile

BİTES Aerospace & Defence Technologies is a technology-based innovative Turkish company at the forefront of next generation Simulation, Training, Logistic Technologies and Information/Mission Management Solutions for military and civilian organizations. We develop / integrate new technologies to transform our customers capabilities for their future requirements and implement R&D activities to further enhance a comprehensive portfolio of products and services. BİTES is offering its technological building blocks as applications of Augmented Reality, Virtual Reality, Autonomous Systems, Artificial / Swam Intelligence and innovative Human Machine Interface for mission critical platforms.

Activity Areas:

- Modeling, Simulation and Training Technologies
- Augmented and Virtual Reality Technologies
- Command Control and Information Systems
- Software development
- › Avionics Software
- › Mission Planning and Mission Support Software
- › Embedded Software
- › Command and Control Software
- › Application Software
- › Interface and Testing Software
- R & D and Engineering
- › Autonomous and Robotic Systems
- › Signal and Image Processing
- › Artificial Intelligence
- › Deep Learning
- › Big Data

Products:

- › Computer / Web Based Training Systems
- › Training Management Information System
- › Training Evaluation & Test System
- › Avionics Training Devices
- › Virtual Maintenance Trainers
- › Part Task Trainers
- › Flight Training Devices
- › Fleet Management System
- › Augmented Reality Supported Maintenance System
- › Augmented Reality Supported Production System
- › Augmented Reality Application Development Framework
- › Augmented Reality Supported Situational Awareness
- › D-BİTES™ Mission Planning and After Action Review / Debriefing System
- › V-BİTES™ Network Centric Digital Video Transmission (Video Management) & Mobil enabled Monitoring System
- › M-BİTES™ Mobil enabled Command & Control Software (on Android OS)
- › Syntheair - Voice recognition and Text-to-Speech Engine (Turkish Language)
- › BİTES Geo3D mobile-enabled Geo-Intelligence SW Framework

**BMC**

Commercial and Military Vehicle Manufacturer

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**Ethem Sancak** Chairman  
**Talip Öztürk** Member of Board  
**Bülent Denkdemir** Chairman of The Executive Board  
**Taha Yasin Öztürk** Member of Board  
**Mehmet Uğurlu** Cfo  
**Bülent Santırcıoğlu** Land Vehicles General Manager  
**Mehmet Altınhan** Defence Program Management Director

**Benan Serarslan** High Tech & Innovation Director  
**İrfan Konur** Internal Audit Director  
**Cemal Öksüz** Director of Ankara Regional Office  
**Davut Yılmaz** Vice General Manager of New Tech

## Profile

Established in 1964, BMC manufactured more than 300.000 vehicles to date and provided a 10 billion dollar added value to the Turkish economy with export operations for more than 80 countries.

As one of the main commercial and military vehicle manufacturers in Turkey, BMC offers special solutions for automotive and defence industries with its 250.000 m2 modern facilities in İzmir Pınarbaşı, wide product range, qualified workforce and high production capacity. BMC Pınarbaşı Factory is designed with the flexibility to manufacture many commercial and defence industry vehicles with different configurations ranging from buses to trucks, and from armored vehicles protected against mines to tactical wheeled vehicles. All performance tests for the prototypes developed with superior engineering capabilities and advanced manufacturing technology are performed according to the international standards.

With a dynamic and powerful Human Resource with more than 2.500 employees, BMC owns all its solutions ranging from design to R & D, and from production to sales marketing and after sales services. BMC offers Turkey wide maintenance and repair services with its powerful dealer network and expert authorized services and continues manufacturing strong, reliable and environment friendly vehicles by closely following sectoral changes.

## BTSO

Bursa Chamber Of Commerce And Industry (Btso) Aerospace And Defence Cluster



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**Mustafa Hatipoğlu** Chairman  
**İbrahim Mesut** Contact

## Profile

The Bursa Aerospace and Defence Cluster was established by Bursa Chamber of Commerce and Industry ( BTSO ) on 07 June 2013 under the chairmanship of Dr. Mustafa Hatipoglu with the participation of all businessmen associations in Bursa under the umbrella of Bursa Chamber of Commerce and Industry ( BCCI ).

Bursa already has the capability of meeting 75 percent of the needs of the Turkish Armed Forces with the existent developed automotive, machinery production and textile production industries.

The cluster carries on its activities both at military and civil areas. The cluster aims to be product or tool supplier of the Turkish Armed Forces ( air, land, navy ), to take part in the Turkish Space Program ( satellites, spaceship ), to take part in the project of medium-range Civil Passenger Aircraft production and to initiate first time the production of sportive Ultra-Light Aircraft and air vehicles ( gyrocopter, microlite, paramotor ) in Bursa.

The target of the cluster is to upgrade the existent industrial capabilities of Bursa also in aerospace and defense sectors and make Bursa a production hub in those sectors in Turkey and in the region in 2023.

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**Yüksel Açık** Chairman  
**Çağla Pınar Turunçoğlu** General Manager  
**Ömer Selçuk Şentürk** Deputy General Manager

## Profile

Sectors: Aviation and Defense

Production Methods: Autoclave, Hydraulic Press, Cure Oven, Infusion

Products: Advanced composite products (carbon fiber, aramide, glass prepreg, hybrid, honeycomb...etc) for aviation and defense

Ballistic protection equipment for personal protection (Helmet (NIJ level 3A-3), Vest/insert (NIJ Level 3A-4))

Ballistic protection solutions for vehicle protection (Light-weight composite Armour Panels (UHMWPE, Aramide, S2 Glass), Spall Liner, Helicopter Floor Armour, Ceramic Add-on Armour (Stanag 4569 Level 2-5))

CES Advanced Composites & Defense Technologies Inc. has established itself as a designer, developer and manufacturer of advanced composite parts and assemblies.

It has the infrastructure, capability, capacity and experience for advance composite design and manufacture. Its purpose is to be the solution partner of national and international leading defense and aviation companies by means of its human resources and manufacturing capabilities.

CES has accomplished to transfer its experience and know how, gained in composites, to land and naval platforms successfully. Moreover, it continues its value added Research and Development operations as a part of Açık Group since 2012.

It continues, with experienced and capable human resources, investments to develop operational areas in ballistic solutions at its new facility which has the highest capacity in advance composite manufacturing in Turkey.

It is manufacturing composite parts for land, naval and aviation platforms at its 17000 square meters advance composite manufacturing facility near Ankara Temelli.

CES has been following developments in the sector closely. It is planning to grow day by day with its young and dynamic team.

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**Can Gür** Chairman of the Board

**Cem Gür** Member of Board

**Kıvanç İlal** Cto

**Gün Evren Gören** Sales Director

**Metin Çetin** Supply Chain Director

**Tolga Sugetiren** Technology and Engineering  
Director

**Zafer Akay** Finance Director

**Ulaş Çırpıcı** Electro-Optic Systems Director

**Tugay Gürler** Executive Committee Member

**Rıfat Kayapınar** Product Manager

**Mehtap Uzar** Quality Manager

**Eda Sarıoğlu** Human Resources Manager

## Profile

Canovate Electronics is one of the top 10 global companies in terms of quality, technology and product portfolio in two main product categories "DATA CENTER" and end-to-end "FIBER OPTIC" solutions founded 50 years ago in the spirit of innovation. Canovate manufactures in İstanbul within a closed area of 30.000 square meters. Canovate is one of the leading companies in its field with 6 offices (America, Greece, Saudi Arabia, Dubai, Morocco, Philippines) exporting 60% of its production to 72 countries.

In the developing world, "Knowledge" is now the most valuable asset says Mr. Can Gür, Chairman of the Board of Directors of Canovate Group, and describes the vision of the next term as follows: "In the 15 years from 2001 to 2016, we invested over \$20 million in R&D. As Canovate Electronics, we continue to allocate resources to R&D over an average of US \$1.5 million each year, and we aim to keep our steady growth in innovation for the future without sacrificing from quality."

Canovate Electronics is a member of the Canovate Group, which has been in operation with different companies since 1965. Canovate Group is a global company in the field of Defense, Energy, Real Estate, Telecommunication, Fiber optic (FTTX), Data Center, which is managed by dynamic, modern and innovative methods, with its own R&D investments and Canovate patented products.

Canovate Electronics provides IT and Telecom Infrastructure technology offerings that span from complete data centers, indoor/outdoor cabinets, data center green cooling technologies to fiber optic connectivity based FTTX and fiber optic transmission and access solutions. Canovate designs and manufactures a

wide range of innovative standard and customized products, technologies and solutions. Canovate provides innovative, environmentally friendly, sustainable and end-to-end solutions that have been developed in accordance with international standards, contributing to the country's economy.

Canovate, the leading telecommunication producer in Turkey with its modern production facilities located in an area of 30 thousand square meters, 300 employees, head offices in Turkey, USA and United Arab Emirates and with its distributors 15 in Turkey and 65 in the world, provides services to large corporate customers such as Telecom, Gsm, ISP, and also to small and medium-sized businesses with a very wide mass of products and is rapidly progressing towards becoming a world brand.

## CEY SAVUNMA

Advanced and Comprehensive Solutions for Simulation  
Technologies in Defence Industry



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**Özcan Ceylan** General Manager  
**Hürkan Orkun Zorba** Deputy General Manager  
**Abdülkadir Can** Design Director

## Profile

CEY Savunma (Defence) is a young and dynamic company founded by engineers who have extensive knowledge and experience in defense and simulation sectors. The main field of activity of our company is advanced and comprehensive simulation technologies and our primary target sector is defence industry.

CEY Savunma aims to be Turkey's pioneer and leading company on advanced simulation technologies with its innovative systems and unique applications; likewise a well-known brand in the world. We have focused on providing creative, innovative and distinctive solutions to our customers with the values, opportunities and capabilities we have. It is our priority to meet customer needs with superior quality, on time, in budget and with cost effective solutions. In addition to these, we aim to support customer expectations by using high technology and competing with similar companies in the world.

We are focused on four main areas: Wargame simulations, simulation infrastructures, visual applications and command and control software. We have a proven wargame simulation framework including tools, services and infrastructure components. We are experienced on simulation interoperability and have been developing related software tools and services. We also have solutions for visual applications like tactical environment, virtual reality and touchscreen applications.



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**Oya Coşkunöz** Chairman

**Erdem Acay** Ceo

**Özgür Bayram** General Manager

**Bilal Can** Marketing & Startegy Planning Division Manager

## Profile

Coşkunöz Defense & Aerospace (CSH) (a Privately owned Coşkunöz Holding Company) is founded in 2006 and started serial production in 2007, serves in Aviation & Defense sectors. CSH is having total 150 employees with 30 experienced engineers. CSH has been providing workload to 20 SME' in Turkey.

Aerospace Industry;

Precision machining, Detailed part assemblies, component assemblies and fuselage assemblies for the aircraft platforms of Boeing, Airbus, Embraer, Bombardier, Fokker, F35, Anka, Hürkuş, Atak, Satellite programs, KAI KUH Surion Helicopter (Center Fuselage Assembly), Cabin interior ready to use products.

Defense industry;

Canisters, Launchers, Carriage boxes, Turrets, Complex sub-system and system production and integration for OEM's who are having defens platforms for Turkish defense industry.

Main fields of Activity:

Production (Aircraft/Engine Parts & Systems)

High precision machining,

Detail , component and Section level assembly for aerospace ,

Sub-system and system integration for defense,

Supplier management

Tools and fixtures design & production

Welding

SAP ERP system

Customs Clearance & Logistics

Software & Simulation

Sheet metal forming

Coating

Painting

Harnessing

Strong quality system

Nato & National Secret Facility Cearence

AS/EN 9100 REVD certified

ISO 9001 certified

ISO 27001 Certified

ISO 14001 Certified

Airbus Certified

## CPS PRESSFORM



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## Profile

# CRYPTTECH

Leading R&D Company That Develops Products and Technology in  
The field of Cyber Security



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**Alper Cem Yılmaz** Founder / Ceo  
**Yüksel Yamak** Deputy General Manager  
**Sebahattin Keskin** Deputy General Manager  
**Tarık Kobalas** Cto  
**Nurullah Erdem** Projects Director  
**Tülay Candar** Marketing Director  
**Jade Y. Şimşek** Int. Relations Director  
**Ömer Özer** Legal Expert

## Profile

CRYPTTECH was founded in 2006 and its first product was introduced to the market in 2008.

CRYPTTECH continues to develop new cyber security solution technologies and products. Its offices are located in İstanbul Yıldız Technical University - Teknopark and in Ankara Hacettepe University - Teknokent. CRYPTTECH's field of expertise are Cyber Security Intelligence, Vulnerability Analysis, Cyber Attacks, Advanced Persistent Threats, Advanced Level Correlation Engines, Security Regulations and Compliance Solutions, Big Data, Encryption and Blockchain Solutions.

CRYPTTECH provides cyber threat intelligence infrastructure integrated with its SIEM, Log Management, HotSpot, DLP, Cyber Threat Intelligence and Security Monitoring products. In addition to providing an accurate and effective solution for the SOC center, it is one step ahead with its technological structure and product capabilities. Especially with the SOC project taking place in the public sector in Turkey, CRYPTTECH has completed the biggest SIEM / SOC project of the country and got a chance to introduce its products to the world.

The products and technologies developed by CRYPTTECH are preferred by more than 3000 SMEs, including the private & public organizations, and over 1000 large-scale enterprises. CRYPTTECH sells its products at the foreign markets by its current sales office in Silicon Valley and aims to sell more by the offices opening up in Dubai region in the year of 2018. CRYPTTECH has already began exporting its products to global markets and has been contributed in various projects in countries such as Qatar, Saudi Arabia, Kuwait,

Sudan, Germany, Netherlands, Nigeria and Uzbekistan.

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**Cüneyd Fırat** General Manager

**Faruk Sarı** Deputy General Manager - Marketing

**Murat Günal** Deputy General Manager -  
Business Development

**Nurşen Sarı** Deputy General Manager -  
Engineering and Programs

**Kemal Gündüz** Deputy General Manager -  
Strategy and Affiliates

**Ulvi Güvenç** Director of Business Development

and Marketing

**Önder Tatar** Director of Engineering and Design

**Gökhan Nas** Director of Manufacturing  
Operations

**İbrahim Etem Uççın** Director of R&d and  
Technology

**Seda Özbek Bolata** Director of Quality and Test

**Burçak Akduman** Director of Accounting and  
Finance

## Profile

For the last 13 years, CTech puts products and solutions on the national and international defense, security and aerospace markets within the context of;

Avionic Systems

Communication

Space Systems

Modeling And Simulation Solutions

Broadcasting & Telecom

Cyber Security

Our headquarter is located in Teknopark İstanbul Campus, which is a world class technology and innovation area in the Asian side of İstanbul, with a branch in Bilkent Cyberpark Campus in Ankara.

The provisions of CTech always encapsulate leading edge technologies and innovation with lifetime and ubiquitous support. In order to converge value-added and customer-oriented products and solutions we employ high profile specialists and engineers in a well established research and development infrastructure and environment. To fulfill the quality requirements of our customers and partners, we comply with common national and international standards such as ISO 9001:2000, CMMI Level-3, IEEE-12207, MIL-STD 973. Besides technical compliances, our company has necessary NATO and National level facility security clearances on a "need to know" basis operation.

Examples of our products and solutions could be mentioned as;

Wideband Satellite and Line-of-Sight Communication Solutions for Land, Marine and Airborne Platforms

Live Mobile Video Transmission Systems over 3G lines (MODEM)

FIPS-146 L4 Compatible Embedded Hard Disk Encryption Device

(DISKRİPTO)

Air Defense Planning, Analysis and Optimization Solutions

Sound and Communication Models for Aerospace Training Simulators

Radar Stealth Analysis Solutions and Services for Land, Marine and Air Platforms

Integrated Network Security Solutions for Advanced Persistent Threats

DPI based IP Traffic Intelligence and Analysis Solutions

New Generation Solutions Network Log Management and Performance Monitoring

Out of its business activities since 2005, CTech has many references and partnerships including international ones like;

Turkish Ministry of Defence

Undersecretariat for Defense Industries (SSM)

Ministry of Transportation, Maritime Affairs and Communication

National Intelligence Organization

Turkish Scientific and Technological Research Council (TUBİTAK)

National Satellite Operator (TURKSAT)

National Information and Communication Technologies Authority (BTİK),

Turkish National Police Department

Various Turkish Defense Industry and Shipyards

Telecommunication Service Provider Companies

National and International Broadcasting Companies

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**Gülşah Yıldırım Gordi** Chairman Of The Board

**Cihat Eşrefoğlu** Board Member

**Özcan Kahramangil** Ceo

**Mürteza Erdoğan** General Manager

**Erkan Sümer** Production Manager

**M. Yavuz Uzunsokaklı** Electronics Engineer, Weapon Electronic Systems Manager

**Erkan Yeniçeri** Mechanical Engineer, Business Development Manager

**Gurnisa Bartın** Finance Manager

## Profile

DEARSAN Shipyard has a proven capability as a 'world class' design, engineering, fabrication and building with its shipbuilding facilities and experienced workforce.

DEARSAN Shipyard specializes in providing services for design and construction of sophisticated naval ships including the integration of weapon combat systems and complex commercial vessels.

DEARSAN Shipyard complies with NATO SECRET Facility Security Clearance, NATIONAL SECRET Facility Security Clearance, ISO 9001-2000, OHSAS 18001:2007 and SaSaD Defense Industry Manufacturers Association certificates.

DEARSAN Shipyard has built 16 "Tuzla" Class Patrol Boats for Turkish Navy in accordance with the Contract executed with the Undersecretariat of Defense Industries on 23 August 2007. Final deliveries of all the 16 vessels have been completed

In addition to being the first combatant warship built by the Turkish shipbuilding industry, the "Tuzla" Class Patrol Boats incorporate the defense systems designed and manufactured for the first time by the local defense industry in Turkey.

The success of this project has been proven once again with the exportation of the "Tuzla" Class Patrol Boats. In this context, 10 derivatives of Tuzla class were delivered and put into service. DEARSAN Shipyard has provided a great contribution to Turkey with its exportation of defense industry products.

In addition, including the Tuzla Class and the exported version of patrol boats, we have the ability of designing and building all classes of naval boats/ships listed below;

Corvette Class Ship,  
Multi-purpose Search and Rescue (SAR) Ship,  
12m, 15m and 17m Fast Intervention Boats,  
27m, 33m and 42m Attack Boats,  
Fast Patrol Boat with Guided Missile,  
Hydrographic and Oceanographic Survey Vessel,  
Offshore Supply Vessel,  
Offshore Patrol Vessel,  
Mine Hunting and Mine Sweeping Vessels,  
Landing Ships

## DELTA

Defence Industry



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**Edip Sabahattin Mete** President

## Profile

DELTA ELECTRONICS Trading and Industry Company Limited, is one of the leading firms in its field in Turkey. DELTA ELECTRONICS is performing the representation of world firms distinguished in their of activity equipped with highly developed technology like communication links, navigation, global positioning, watching, flight administration, aviation and satellite communication. Consequently, DELTA ELECTRONICS has made a rather positive contribution to the realization of Turkish Defence Systems. It is contributing to projects in the military field like the helicopters, tank flight systems and radar systems and radar system integration. DELTA ELECTRONICS Company is playing quite an active and effective role in civil projects like wired and wireless measurement and analytic devices.

DELTA ELECTRONICS Company, continuing its future oriented activities meticulously is aiming to go beyond itself by applying much wider development programs and providing total customer satisfaction with its specialized staff.

The international firms which we are representing are: Collins Aerospace, Northrop Grumman, Borderight Ageri, CUBIC, PARKER, ESL Defence Ltd, KVH, Cooper Antennas, Scribner Associates, L3-ALST and Origalys.

# DESAN SHIPYARD

Ship Construction And Repair, Maintenance, Retrofit



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**Bahadır Demirağ** General Manager

**Taşkın Çilli** Deputy General Manager

**Ahmet Tütüncü** Finance Director

**Özgür Çilli** Marketing Director

## Profile

DESAN Shipyard (DESAN), first established in 1970 at Golden Horn and carried out construction and repair activities for following 12 years. In 1982, DESAN Shipyard moved to its new location in Tuzla Shipyards Region. DESAN Shipyard joined to KAPTANOĞLU Group of Companies in 2006.

DESAN Shipyard is optimized to construct, fit out, test and turn-key deliver the advanced chemical tankers, oil tankers, logistic support ships like cargo ships, tug boats and provide repair, retrofit to these ships. In 1999, construction and turn-key delivery of first IMO II Chemical Tanker in TURKEY is realized by DESAN Shipyard. Construction of 2 (two) Emergency Response and Divers Training Boats is already going on at DESAN Shipyard.

Continuous investment for shipyard infrastructure, machine park capability, floating docks and personnel training provided DESAN Shipyard having perfect project management, quality assurance system, flexibility and highly qualified engineers and technicians. Today, DESAN Shipyard is honor to deliver ships with top quality and on time.

With facilities available at DESAN Shipyard, construction and ship-repair team have the experience and knowledge to repair, maintenance and construction of naval ships like Fast Patrol Boat, Patrol Boat, Offshore Anchor Handling Tug Supply (AHTS) vessel, Rescue and Towing (RAT) Ship, Mother Ship, Diver's Training Boat. . . and all types of marine commercial vessels.

DESAN Shipyard has "EN ISO 9001:2015 Quality Management System", "OHSAS 18001:2007 Occupational Health and Safety Management System" and "TS EN ISO 14001:2015 Environmental

Management System" certificates from Turkish Lloyd (TL) and RINA.

DESAN Shipyard has National and NATO Security Clearance and Military Ship Production Certificate from Turkish Ministry of Defense.

# DESi

Shooting Range Equipments, Electronic Controllers for Automotive Industry, Access Control Products

# DESi

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**Tuncay Erhan Yanar** Chairman  
**Ömer Doğan** General Manager  
**Abdullah Narlı** D. General Manager  
**Hakan Tikveşli** Marketing Manager

## Profile

Found in 1985 DESi is electromechanical products designer / manufacturer.

Since 1999, DESi has been developing and manufacturing shooting training equipments for indoor / outdoor (real bullet) ranges. Its product portfolio related with shooting ranges covers the following equipments:

Wireless and portable, pop-up infantry target holders (with up to 2 km wireless controlling range)

Wireless and portable, rotary pop-up infantry target holders

Wireless, pop-up tank target holders (for up to 3m x 3m / 75 kg targets)

Wireless controlled moving target holders (with a moving speed of up to 21 km/h)

Sniper training equipments which is able to show "miss and hit locations" with high accuracy

Controlling softwares for computer

Besides shooting ranges equipments, we have the following product lines:

Automotive Industry Products: Vehicle alarms / anti-hijack modules, immobilizers, comfort modules, remote controllers, door openers, power window/sunroof controllers etc.

Intruder Alarm Products: Wired / wireless alarm central cards, GSM/PSTN voice callers, wired / wireless passive infrared sensors, wired / wireless shock sensors, wired / wireless magnetic switches etc.

Access Control Products: RF receivers / controllers, unique ID active

RF transmitters, bluetooth based applications and controller, wired / wireless keypads etc.

Electronic Door Hardware Products: Wireless motorized cylinders, wireless electromechanical locks, wired / wireless fingerprint readers, electromechanical swing door openers, wireless door alarms etc.

For developing current products and for researching on new demends, DESi R&D department works proactively and as a result, DESi got a lot of "first on the world" features and patents.

With its quality culture and manufacturing capability, DESi works with companies likes FORD, ISUZU etc. for developing and OEM manufacturing.



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**Durali Dođru** Chairman

## Profile

Dođuş Kimya has been performing activities in surface treatment chemicals sector and offering services regarding the establishment of metal coating facilities together with training and technical services. Its also sells related equipment and chemicals for this sector; render technical services regarding the measurement of coating thickness, analysis of all plating baths with our titration laboratory, X Ray F device and corrosion test tools, and offer necessary solutions for the related problems. Amongst its references, Dođuş Kimya has many defence industry companies and institutions. Its also makes export to Middle East countries. For the defense industry and aerospace industry, computer controlled or manual complex facility manufacturing, computer software hardware and equipment are provided. Chemical installations and coating related trainings. Among the projects delivered are Aselsan, MIKE Ammunition Fab, MIKE Sila Fab, Roketsan A.Ş.

# DYO

Paints and Coatings Production

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**Serdar Oran** Paints and Coatings Group Vice President and General Manager  
**Mutlu Uysal** Industrial Coatings Group Sales Director  
**Erçümem Atakay** Industrial Coatings Factory Director  
**Alper Tortop** Financial & Financial Affairs Director  
**Özlem Düzyatan** Purchasing Director  
**Özlem Yaylalı** Human Resources Director

**Dilek Yücel** Polymer R&D and Innovation Director  
**Alp Korkmaz** Car Refinish Paints Sales Director  
**Yetik Beşok** Furniture Paints Sales Director  
**Yücel Akbaba** Industrial and Powder Coating R&D and Product Dev. Director

## Profile

Dyo is leading the sector, adding value to life with innovative technologies and practices, since 1954. Achieving rapid growth with focus on highest quality, r&d activities, and customer satisfaction, its production exceeds 160 thousand tons with plants in İzmir Çiğli, Kocaeli Dilovası and Manisa Turgutlu, Russia and Egypt. Products with Dyo and Dewilux brand are exported to more than 40 countries worldwide.

"Wide range product portfolio consists of decorative paints and heat insulation systems, industrial coatings, powder coatings, coil coatings, protective coatings, furniture paints and varnishes, car refinish products, marine paints and polyester resins. Growing its strength in industrial coatings with Turgutlu Powder Coatings plant which is opened in 2014, is serving solutions with high value added products to machinery, electric-electronic devices, home appliances, construction and infrastructure sectors. Amongst the customers are the greatest industrial corporations in Turkey.

Dyo is investing over %2 of annual revenue to r&d in accordance to the vision of creating innovative technologies and is listed in "Turkey's R&D Champions 100". Dyo R&D Center which is located in İzmir Çiğli Plant is announced the most succesful R&D Center in Chemistry Sector three years in a row.

Dyo acts as a leader in "Quality", which is also a key word in its brands' identity, is the first paints and coatings producer implementing the EFQM Excellence Model. Dyo, with production processes meeting international standards and quality certifications, also owns 2014 Aegean Region Excellence Award, and 2016 Turkey Excellence Award."

# ELEKTROLAND DEFENCE

Remote Operated Vehicles

**ELEKTROLAND**  
DEFENCE INDUSTRY A.Ş.

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**Mustafa Orakçı** Sales Director

**Nilgün Eryiğit** Finance Director

**Erdem Uğur** Purchasing Director

**Volkan Şahin** Research and Development Director

**Caner Ökten** Quality System Management Director

**Gülşen Erdoğan** Sales & Marketing

## Profile

ELEKTROLAND Defence Industry A.Ş. is privately owned company, established in 1996 as an electronic reverse engineering, PCB design center in the field of defence and homeland security. Today ELEKTROLAND and plays a central role in the rapid design, development and validation of new products and underlying research&development for all of its protective equipment range including Remote Operated Vehicles (ROV) for Explosive Ordnance Disposal (EOD) and Improvised Explosive Device Disposal (IEDD). ELEKTROLAND is now increasing its design&production capabilities covering the requirements of Turkish Armed Forces Turkish National Police as well as international Clients. Our unique and reliable products are designed in partnership with bomb-disposal teams and represents the next evolutionary step in the EOD/IED/CBRN robots market. Production facilities is based in Ankara and has branch office in the United Arab Emirates.

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**Erol Özkayan** Chairman

**Ahmet Özkayan** Ceo / General Manager

**Neslihan Özkayan Er** Deputy General Managers

## Profile

Founded in 1965, ERMAKSAN is a well-known company manufacturing high quality and advanced technology machinery with its 700 qualified personnel at 80.000 sqm modern manufacturing plant. ERMAKSAN manufactures 3000 machines annually under the supervision of expert engineers in a fully modernized plant equipped with state-of-the-art machinery. ERMAKSAN exports 80% of its production through agents under the brand ERMAK from Canada to New Zealand, more than 70 countries in the world and provides full technical support since 1965.

**ESAC**

Eskişehir Aviation Cluster

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**Mehmet Çelebioğlu** Coordinator

## Profile

ESAC is a legal initiative that serves as the primary organisation devoted to aviation based economic development in the province of Eskişehir. ESAC's mission is to promote aviation capacity to attract and stimulate business development in innovative, high-growth industries related to aviation in the region. ESAC accomplishes this mission by focusing on both SMEs directly involved in the aviation industry as well as on companies with sufficient capacity to form part of the aviation supply chain. In collaboration with the Eskişehir Chamber of Industry, the Eskişehir Organised Industrial Zone, Anadolu University, Osmangazi University and other supporting entities in Eskişehir, ESAC helps to ensure the region's global competitiveness by improving the business climate for the aviation industry. The Eskişehir Aviation Cluster Zone is a popular investment region for companies within the aviation sector. This is not only attributable to its high quality of life index, industrial culture and reasonably priced investment properties, but also to the abundance of universities and technical schools, trained and experienced labour as well as to existing modes of transportation and local/national incentives.

**ESEN**

Defense, Aerospace and Security

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06800 Ankara / Turkey**Telephone** +90 (312) 220 1488**Fax** +90 (312) 220 1489[www.esensi.com.tr](http://www.esensi.com.tr)[info@esensi.com.tr](mailto:info@esensi.com.tr)**Cem Uğur** General Manager**Aysel Sözen** Deputy General Manager**Erol Tunalı** Director, Space and Sensing Systems**Abdullah Çay** Director, Electronic Warfare and Sigint Systems**Murat Temizsoy** Director, Engineering**Süha Dinçer** Director**Altuğ Müftüoğlu** Director, Business Development**Burak Keser** Director, Operations Support and Financial Affairs**Ayşe Selcen Karcılar** Director, Quality

## Profile

ESEN, based in Ankara is active in Aviation, Space & Sensing Systems, Software and SIGINT Systems. The company has developed unique solutions in Wide Area Surveillance Systems, Traffic and Terrain Collusion Avoidance Systems, Image Processing & Remote Sensing Technologies and also undertaken programs involving aircraft maintenance, modifications, certifications, System, S/W and H/W integrations. The capabilities also extend to new developing areas such as Data Fusion and Big Data Analytics. In addition to these activities, the company has strong links in the domestic and international domain and is an affiliated company of Sierra Nevada Corporation (SNC) of United States of America.

# ETA

Software Development and Electronic Design for Defense Industry



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**T. Hürsel Kendir** Chairman, Ceo / General Manager

## Profile

ETA provides the missing parts of the puzzle with custom design solutions, for a seamless system integration.

ETA was founded in 1984, as a “design house” for Defence Electronics. Since then, besides having its own, patented products, ETA has been one of the most respected subcontractors for major System Integrators in the Turkish Defence Market.

ETA provides high quality, fast and cost effective custom design solutions for the System Integrators, with the energy and flexibility of being an SME, and a team of highly skilled (averaging 14 years of work experience in ETA) 25 employees, where 60% are R&D engineers

ETA has a Strategic Partnership Agreement with ASELSAN, which enabled two long term product families:

**Communication Interface Units (GPCU, CIU and CIU/S) for INS Systems:** This is a family of rugged electronic interface units with embedded SW for data communication and HW/SW protocol conversion between ASELSAN's LN-270 Inertial Navigation System (INS), and different systems on a Navy Ship, that require Navigation data in different protocols (including RS422, NMEA, and Synchro with CIU/S). They were designed to be used as part of a Modernization Project for the Turkish Navy, but then as a result of the flexibility of the design, CIU turned out to be a standard unit for all the new Navy Ship Programs like MILGEM, YTKB, SGAK, LCT as well. ETA delivered 21 GPCU, 68 CIU, and 40 CIU/S units until now.

**Multi-axis Rate Gyro Sensors & IMUs:** This is a family of rugged sensor units with embedded SW, which are used in ASELSAN's

Stabilized Weapon Platforms (like STAMP, STOP and SARP) and provide up to 3-axis precise angular rate data using fiber optic sensors. ETA delivered over 160 units until now, and received a follow up order to design a second generation Gyro and IMU family using both fiber optic and MEMS sensors.

ETA also started to be a design and manufacturing partner of ROKETSAN, for custom design, rugged, electronic equipment like: AKU Firing Control Unit: This is a Firing Control Unit to test and safely fire up to 3x20 Rockets on a Multi Launcher Rocket System. It also has add-on units that simulate the rocket squips and electronic fuses for training.

Another field of expertise of ETA is Training Simulators. ETA designed a patented product family Mini-RETS & L-CCATS, Laser Marksmanship Training Systems, for advanced marksmanship training at any place without using real ammunition. System combines an eye safe laser pointer mounted on the barrel of the firearm, and computer controlled laser sensitive pop-up targets. In 2008, ETA signed a Technical Assistance Agreement with L-3 Corporation to design and manufacture Laser Marksmanship Training Systems under their registered brand name Beamhit, and exported over 12.000 units to USA until now

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**Tarık Ögüt** Founder and Chairman of The Board  
**Koray Gökalp** General Manager  
**Fatih Evren** Defence Industry Coordinator  
**Poyraz Yıldız** Marketing

## Profile

FIGES A.S. is an engineering company founded in 1990. With its skilled engineers specialized in mechanical and systems design, multiphysics analysis and physical testing; FIGES provides turn-key project services from concept design to prototype manufacturing for a wide range of industry sectors, mainly defense, aerospace and automotive. Since 2014, FIGES has launched several R&D projects of its own, to develop high technology products in response to the national needs of different industries for indigenous products that are engineered and manufactured in Turkey.

FIGES is based in 4 office locations in Ankara, Bursa, İstanbul and İzmir and a prototyping and manufacturing facility in Ankara. FIGES forms specialty centers at these locations; providing services to Defense and Aerospace industries from the Ankara office; to Naval industry from İstanbul office in Technopark İstanbul; to Automotive industry from Bursa office in Ulutek Technology Development Zone; to consumer products, medical and general machinery industries from İzmir office. The office in Ankara is an R&D Center certified by the Ministry of Science, Industry and Technology in May 2015. The prototyping and manufacturing facility was established in the beginning of 2017 to carry out manufacturing, assembly and testing stages of the products developed through the R&D projects within FIGES.

The engineering departments of FIGES cover several disciplines, with over 70 qualified and skilled engineers nationwide. These engineering departments are:

Mechanical Design and Prototype Manufacturing,  
Control, Design and Automation,

Military Electronics and Test Systems,  
Structural Analysis and Acoustics,  
Fluid Mechanics and Thermodynamics,  
Electromagnetic Design and Analyses,  
Smart Materials and Sensor Technologies.

The breadth of expertise in FIGES allows the company to tackle the most challenging multi-disciplinary projects in engineering.

FIGES also provides training courses in different engineering disciplines, under the name "Build-up Academy", to equip companies and individuals with the most recent engineering tools and techniques in research and development.

FIGES invests in data security and follows the Facility Security Clearance Guidelines established by the Ministry of National Defence. The company is also ISO 9001-2008 certified.

FIGES represents ANSYS which is the leading multiphysics analysis software and MATLAB & Simulink and provides services in sale, training and technical support of these software



# FNSS

Protected Mobility At Your Service

# FNSS

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**Yavuz Canevi** Chairman of The Board

**K. Nail Kurt** Ceo and General Manager

**Douglas Ward Jackson** Assistant General  
Manager

**İbrahim Aybars Küçük** Chief Marketing &  
Programs Officer

**Melih Kayaalp** International Business  
Development Manager

**Mehmet İnan Güven** Consultant, Gm

**Can Adil Özelçi** Chief Technology Officer

**Mehtap Tüfekçi** Cfo

**Ceyhun Süer** Middle and Far East Program  
Director

**Mehpare Alp** HR Director

**Hakan Yılmaz** Production & Facilities Director

**Ali Çarmıklı** Supply Chain Director

## Profile

FNSS is a globally recognized land systems company that specializes in designing and producing wheeled and tracked armoured combat vehicles, turrets and sustainability solutions. As the solution provider of users in various countries, the Company has delivered more than 4000 armoured combat vehicles worldwide. FNSS designs and develops customized solutions to meet the requirements of each user. The key to FNSS' success in delivering tailored products within requested time frames lies in its flexible approach to project management. This is complemented by its ability to orchestrate an extensive supply chain and a wide range of global partnerships. FNSS views user satisfaction as a permanent concept, addressing new needs that may emerge throughout the product's lifecycle and offers sustainability solutions that extends the overall lifecycle. Building upon its 30-year heritage in the defence industry, FNSS continues to add value to its users by creating innovative solutions. For more please visit [www.fnss.com.tr](http://www.fnss.com.tr)

# FOTONIKS

Defence Industry Electronics And Electro - Optics Systems



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**Cem Yazıcıoğlu** Ceo / General Manager

**Can Yazıcıoğlu** Deputy General Manager

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**Murat Cincioğlu** Deputy General Manager

## Profile

FOTONIKS Military Electronics and Electro Optics Company performs research and development, design, production and provides life cycle support in Electronics and Electro Optical systems. Mounted / Dismounted Soldier and Force Protection electronics and electro optics are the mainstay of the company whose goal is to supply our Armed Forces and the ones of our allies and friends with high quality products. Company is located in Ankara and covers a closed space of 1400 m2 with manufacturing , R&D, Quality Control and ESS testing in house capabilities. Fotoniks has ISO 9001 2008 Quality Management System, Ministry of National Defense Facility Security Certificate and Ministry of National Defense Manufacturing permission certificate.

# GİRSAN

Firearms Producer



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**Veysel Curgul** Chairman

**Nevzat Curgul** Ceo / General Manager

**İbrahim Curgul** Deputy General Manager

**Zafer Çapraz** Director

## Profile

GİRSAN produces pistols according to the NATO standards with 9mm x 19 Parabellum, 9mm x 21 IMI, 7.65 mm, .40S&W, .45ACP and .380ACP caliber. Also GİRSAN produces semi automatic shotguns with 12 caliber. GİRSAN exports to U.S.A., South America, Eastern and Middle Asian countries. Visit our website.

# GÖKSER

Electro-Mechanical Systems and Subsystems for Defence and Aviation Sectors



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**Hilmi Ünal** General Manager

**Hilal Ünal Türkan** Deputy General Manager

## Profile

Since 1987, GÖKSER has produced tailor made design and production for the Defense and Aviation sectors. GÖKSER started its commercial life with the design and production of military tents, mobile hospital A/C systems, currently provides special solutions to Defense and Aviation sectors such as R&D, design, prototype production and serial production. We have 3 brands, one of which is the TECHNIFLEX Industrial flexible air hoses using in land vehicles, ships, planes, helicopters and airports. We are the only manufacturer of these hoses that are used in high temperature or in heavy environmental conditions to transfer air, particles and dust. Our other brand is THERMACOOL, which is established to design and manufacture mobile AC and ventilation systems for military and civil purposes. Special designs produced in line with NATO standards increase the mobility capability of Turkish and foreign military forces.

Our third brand is GÖKSER that develops special R&D works, design and prototypes for Defense and Aviation sectors.

So far we have successfully completed 8 R&D projects, 4 of which were funded by EU and 4 by TÜBİTAK. Gokser acted as coordinator in two of the EU funded projects and awarded with Tubitak's special award.

Some of our references are as follows:

Land Forces

Air Forces

Land Aviation School

Directorate General of Security

Aselsan

TAI

FNSS

Havelsan

Roketsan

Foreign Military Forces

# GRUP IMPEKS

Foreign Trade/Military Textile & Ballistic Equipments



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**Bakış Özdemir** Group President / Financial Affairs

## Profile

Grup Impeks Ltd. Company is a full-fledged Foreign Trade Company, rendering services to all markets in terms of procurement and logistics.

We are about to a growth of wide range of products to be exported not only to limited African Markets but to Middle East of; Saudi Arabia, UAE, Qatar; also to Southern Europe; Macedonia, Albania, Croatia, Germany and Russia with full range of Military, Security and Police Equipment, Ballistic Equipment & various Medical Kits, all types of Textile, FMCG, Retail, Industrial Machinery & Spare Parts, Dry & Innovative Food and Turnkey Projects with operation, logistics and transportation services.

The Ballistic sector is our most prestigious product group which requires the latest innovation and continuous and reliable services in technology and R&D aspects. We endeavour to offer services to Military and Police Forces by rapidly analyzing their demands.

Today, Grup Impeks Ltd. is a primary and whole supplier of Military & Police Equipment, Tactical solutions, Ballistic Equipment and Corporate designs for all kinds of uniforms and work clothes, as well as all kind of dry foods for military needs of our clients. Proudly, we are the only supplier company in Turkey which saves valuable times and efforts of our clients for facing difficulties of purchasing from multiple suppliers against their various conditions.

The development and growth of our sector and each investment made to this end will be a source of success for us on behalf of our customers.

As the military forces around the world become increasingly

sophisticated and the Defence Industry is a key strategic sector which constantly grows and bodes well for our country's future, we are and we will always proud to be part of it.

With our sincere regards,  
Grup Impeks Family

# GÜRSAŞ

Metal Works / Manufacturer



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**M. Ruhi Ergün** General Manager  
**Gültekin Bayır** Plant Manager

## Profile

Gürsaş (established in 1980) is one of the leading metal works companies that has dedicated engineers and designers to provide solutions across the most demanding industries (Telco, IT, Energy, Security & Monitoring, Banking & Ad, Defence Industry) It has flexible services from design to delivery; raw material to manufacture, prototyping to integration, as well as installation and maintenance. Gürsaş has 60 workers and capability to work 24/7. ISO 2001 certified. Dead Reckoning Table (DRT), Radar Slave Console; Storage Cabinet (with A/c); Sonar system & Switch Enclosures; Sys Consoles, Military Spec Rack, Console, Enclosure and subracks; SGR Console, Main Control Room Console, Admiral working desk, Officer working desk, chart table.

# GÜVENLİ YAŞAM

Personel Protective Equipment and Plastic Hard Cases



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**Hasan Deliduman** Chairman  
**Gökhan Aksu** Ceo / General Manager  
**A. Özgür Yanılmaz** Business Manager

## Profile

Güvenli Yaşam has been in existence since 1988 in Ankara, Turkey in order to manufacture Anti-Riot equipment and Plastic Hard Cases for rifles and ammunition used by Police and Military Units. The product range is mainly shield, helmet, baton, Robocop suit, gloves, handcuff and road trap. It also extended its portfolio by adding military case, special ESD (electrostatic discharge) cases, special glasses for helicopter and airplane to our production line. Güvenli Yaşam is always at disposal of its customer by knowing them and serving them is an honor.

# HAVELSAN

Command Control and Defence Technologies, Simulation, Test and Training, Management Information, Cyber and Physical Security



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**Ahmet Hamdi Atalay** Ceo / General Manager  
**Savaş Yanık** Deputy General Manager  
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Operations and International Business  
Development  
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Manager, Training and Simulation Technologies  
**Alper Şeker** Deputy General Manager,  
Information and Communication Technologies

**Dr. Tacettin Köprülü** Director, R&D Technology  
and Product Management  
**Borga Erbil** Director, Cyber Security  
**Yavuz Selim Günay** Director, Law and Contracts  
**Yeşim Dodi** Director, Finance  
**Oğuzhan Coşkunyürek** Director, Human  
Resources  
**Baykal Yaylı** General Secretary  
**Musa Semerci** Marketing Group Manager

## Profile

The solutions developed by the company for the TAF are competitive in the world market as well. Among these solutions, the Command Control and Combat Systems developed for naval platforms have helped HAVELSAN become a significant player in the global market.

HAVELSAN has also successfully implemented the Air Force Information System project (HvBS), which is Turkey's largest ERP (Enterprise Resource Planning) project. Various versions of the same system in different sizes have also been offered to the use of friendly and allied nations. Training technologies is another area of activity where HAVELSAN is assertive. As one of the world's leading simulator companies in the defence and aerospace industry that holds a Level D qualification certification granted by the EASA (European Aviation Safety Agency), HAVELSAN's operations focus on Training and Simulation Technologies, including simulators. HAVELSAN, whose simulator solutions are preferred by the Republic of Korea and Qatar, has also entered the civil aviation market with the Boeing 737NG simulator it has developed for THY (Turkish Airlines). In the area of training systems, HAVELSAN offers integrated solutions such as the Electronic Warfare Test and Training Range (EWTR) and the Artillery Forward Observer Training Simulator (AFOS) not only to the TAF, but also to friendly and allied nations such as the Republic of Korea, Pakistan and Saudi Arabia. Having worked on software intensive systems for many years and holding a CMMI (Capability Maturity Model Integration) Level 3 certification in this field, HAVELSAN considers the subject of cyber security -

on which it has been working to ensure the security of its own systems - as a separate line of work. Besides land, air, marine and space, cyber security nowadays constitutes another field of operation - or the fifth dimension - in international conflicts. To satisfy the requirement in this area, HAVELSAN established Turkey's first and only Cyber Defence Technology Centre (SISATEM), putting it into service in March 2016. HAVELSAN also produces systems and products to meet cyber security needs that are increasing at an unprecedented pace, while also meeting the cyber security-related needs of various institutions. With its Cyber Security Operation Centre, Cyber Software Analysis and Test services, Corporate Security Support for Public and Private Sector, Cyber Security Training, and Indigenous Cyber Security Software, HAVELSAN is rapidly forging ahead on the way to developing products and solutions for Turkey and friendly and allied nations, while also moving closer with each passing day towards its goal of becoming 'Turkey's Centre of Excellence' in Cyber Security. Homeland security (of which cyber security is a sub-field) is in another area on which HAVELSAN has focused its activities in recent times. The company takes active part in various projects across Turkey, including pipeline security, the renewal of the MOBESE system, and ensuring the security of the third airport, which is currently under construction in Istanbul and is to become the world's third largest airport. For years, HAVELSAN has also been successfully meeting the management informatics system requirements of public institutions. Products like UYAP, the automation system of Turkish judiciary, and SEÇSİS, the election automation system that successfully fulfilled its task in 12 different elections, come across as self-proven solutions.



## HAVELSAN TEKNOLOJİ RADAR

Radar (Integrated Logistic Support), Ağı (Network Based Security),  
Wire & Harness (Design Assembly Integration), Software, R&D



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**Ahmet Çakmak** Vice Chairman  
**İzzet Şirin** Ceo / General Manager  
**A. Levend Erokay** Director  
**Ferhat Memiş** Director  
**Abdurrahman Kurşun** Director

## Profile

HTR is a Turkish company that specializes in Radar Systems, Depot Level Maintenance, Installation, Integration and Check-Out, Sub-System Production, Network Based Security Systems and Wire and Harness Design / Assembly, PCB design and protection. In order to give better products and services for its customers HTR has developed a Quality Management System which complies with quality standards, such as AQAP 2110, AS 9100 Rev D, ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007. Also, HTR gives great importance on R&D activities. In order to create high technological solutions for its customers, HTR R&D Center is continuing its R&D activities, with its highly experienced engineers and technical staff.

# HEMA ENDÜSTRİ

Automotive-Defense-Aerospace



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**İbrahim Hattat** Chairman

**Osman Tunç Doğan** Ceo/ General Manager

**İbrahim Durmuş** Deputy General Manager

**Ata Kar** Finance Director

## Profile

Hema Endüstri design develops and produces hydraulic systems such as pumps, valves, steering gears and powertrain systems such as gears, gearboxes, transmissions, engine blocks, balancers, crankshafts and oil sumps. Process capabilities are on casting (iron and HPDC), machining, painting and coating, heat treatment, assembly and test. In defense industry it design , develops and produces complete battle tank carriers, armored tactical and tracked vehicles, and powerpacks for military vehicles. In aviation, hydraulic piston pumps and engine casing machining.

## HEXAGON STUDIO

Design and Engineering in Transport, Defence and Marine Industries



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**İnan Kıraç** Chairman of The Board

**Tolga Doğancıoğlu** General Manager

**Murat Özkan** Engineering Director

**Ünal Elbeyli** Business Development Manager

**Bahadır Hızlan** Project Management and Model-Prototype Manufacturing Manage

## Profile

“Unique Solutions in Transport, Defence and Marine Industries”

Having succeeded in more than a hundred development projects in design and engineering, such as New York Taxi, hybrid diesel-electric bus and Automated Linkless Ammunition Transfer Mechanism, since its foundation in 2005, Hexagon Studio takes justified pride of being a long-term solution partner for its industry stakeholders. We provide turnkey engineering solutions to the industries by utilizing unique technological approaches in response to challenging demands and requirements from its customers.

Reserving “being one of the leading R&D centers in Europe in 2020” as its primary objective, Hexagon Studio positions itself as a trend setter in conceptual design and a solution developer in “Sustainable Mobility Solutions” for the welfare of the society. With this vision in mind, the company participated in the following major design and development projects in the last six years.

Linkless ammunition transfer mechanism

Automated ammunition feeding direction selector

Turret design of a depth charge launcher for ASW

Shock absorber platform design for electro-optic target designer

Target plotter design

Air-flow channel design for ASELPOD

Structural optimisation for a tactical vehicle

Hexagon Studio took full advantage of its past experiences and technological know-how in transport, defence and marine projects to create unique solutions in those industries. Thus, we are now working on different national/international projects those would be

major milestones for Hexagon Studio. Finally, we take full advantage of our integrated infrastructure for prototype manufacturing and design validation/verification both at laboratory level and on-road-vehicle/product testing in our product development process for the benefit of our stakeholders.

# HIDROAN

Land Systems, Hydraulic And Pneumatic Systems & Equipments



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**Musa Ertunç** General Manager  
**Ahmet H. Alkan** Project Manager

## Profile

HIDROAN provides project design, sales and after sales support services in the field of industrial hydraulics, mobile hydraulics and on-board vehicle equipment.

In our project office, all kinds of engineering services are provided by our experienced engineers. In addition, our company provides R & D support as well as engineering services in order to ensure that its customers are always one step ahead in globalizing world conditions.

Completed works;

Handmade Explosive Detection Robot

The Remote Controlled Bomb Disposal Robot

Mobile Tower

Launch Tool Superstructure Design,

Command Control Vehicle

Mobile Rangefinder and Antenna Carrier Trailer Design

Laser Target Marking Tool Vehicle

High Speed Camera Carrier Vehicle

Cable Drums

Radio Antenna Bottom

## HST

Automatic/Electronic Cross Drive Transmissions, Gearboxes,  
Differentials, Gear Systems Production

HST Automotive / Hema  
Manufacturing Industry and Trade Co.

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**Ferda Şahin** Chairman

## Profile

70.000 m2 closed, 310.000 m2 open area, 600 production machines. Heat treatment facility with gas carburising, gas nitriding, tempering and annealing furnaces, induction hardening machines and press quenching capability. Mangan and zinc phosphate coating, shotpeening, magnaflux machines. 600 People.

Production range: fully automatic/electronic cross drive transmissions for tracked vehicles; ACVs, tanks and tank modernisations, complete gearboxes and differentials, gear systems, transfer boxes, shift units, gear sets, gears and shafts for commercial vehicles. Fully automated testing capabilities.

Exports: USA, England, Germany, Spain, Italy, Saudi Arabia, India, Pakistan, Israel. Quality certificates: IATF 16949, ISO 14001, OHSAS 18001, FSCC, ISO/IEC 27001, EN 15085-2di

# HUKD

Aerospace Cluster Association



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**Osman Okyay** President  
**Mehmet Vacit Şar** Vice President  
**Yalçın Yılmazkaya** Secretary General

## Profile

Since the foundation in January 2010, in İzmir, Aerospace Cluster Association (ACA) emphatically continues its progressive activities in aerospace. In this seven years period ACA highly focused on developing strong international relations with clusters and associations, along with the other main objectives such as developing SME's and their integration to aerospace and defense related projects, supporting the efforts in training/educating qualified technicians/technic experts and supporting the efforts in enhancing technical/technological infrastructure in the industry. ACA is a member of "European Aerospace Cluster Partnership (EACP)" and "Defense and Aerospace Industry Manufacturers Association (SASAD)".

Main fields of Activity:

Production (Aircraft/Engine Parts & Systems)

Composites Manufacturing

Machine Production

Customs Clearance & Logistics

Design & Development

Software & Simulation

Thermal & Special Processing

Metal Working

Powder Metallurgy

Airport Vehicles

Baggage Handling Systems

Tow Tractors & Trucks

Fire Fighting & Emergency Vehicles

Harnesses

Now ACA has 47 company members out of 83 members in total.

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**Özlem Şahin Gök** Corporate Sector Director  
**Cem Şıvgın** Defence Sector Director  
**Hakan Yüksel** Director of Finance and Operations  
**Zekeriya Dinçer** Program Manager, It Solutions  
**Hakan Ayçenk** Engineering Director  
**Sevinç Erginöz** Corporate Communications Specialist  
**Cihan Yıldız** Senior Business Manager

## Profile

ICTerra is a global software engineering company.

ICTerra combines more than 25 years of software development experience with technology expertise and proven methodologies to provide innovative solutions to our customers across multiple industries. With its 200+ software professionals, ICTerra has been building strategic partnerships with world's top IT companies, providing software development and testing services.

ICTerra's long-term global partnerships and references are the indicator of the quality of its management system.

The main business models engaged are:

Turnkey Software Development projects.

Software R&D partnerships and engineering support/ consulting

Software testing services

Strategic Partnerships

IT Operations Management (ITOM) professional services

Main areas of expertise are:

Embedded Software Development

Telecommunication Software (WebRTC, VoIP)

Enterprise Application Software,

Process Automation Solutions

Software Licensing Solutions

SaaS / Cloud Applications

Web and Mobile Applications

Cyber Security Solutions

Avionics Software Development (DO-178/C)

Electronic Warfare Software

Big Data and Data Analytics

Internet of Things

ITSM solutions

Some of the certificates are as follows:

CMMI Level-3

ISO 27001

ISO 9001

## ILERI GROUP

Leading Designer and Manufacturer of Steering and Control Systems



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**Süleyman Işık** Sales & Marketing Director  
**Hilmi İleri** Key Account Manager  
**Orkun Kircuvaloğlu** Design - Engineering Director  
**Emrah Çoksaygan** Planning and Logistics D.  
**Erdal Yetik** Quality System Director  
**Koray İleri** Purchasing Director  
**Ebru İleri** Finance Director

**Kadir Koçakoğlu** Industrial Investments and Incentive Manager  
**Elif Kasar** HR Director  
**Umit İldir** Project Manager

## Profile

Ileri designs and manufactures mechanical and electromechanical steering and control systems for the world's best known on and off-highway industry OEMs. Major products offered are steering columns, locks, handles, parking brakes, pedal assemblies and various welded and fabricated components.

Ileri actively involves from very early development phase to prototyping, validation and series production. Ileri's quality infrastructure is lined up with ISO/TS 16949. It utilizes diverse technologies for all in-house tool making, metal cutting/forming, robotized welding, injection molding and assembling, which are supported with well equipped verification and testing laboratories.



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**Burak S. Pekcan** Ceo - Founder

**Oğuz Altay** General Assistant Manager

**Deniz Özdemir** General Assistant Manager

**Nuzhet Abbasoğlu** Cfo

## Profile

Since 1994, infoTRON has been pioneering in 3D high technology solutions and consulting services in Turkey.

The products and services of infoTRON have been used by many leading Turkish companies operating in automotive, defense, aerospace, electronics, manufacturing, education, construction, and consumer goods sectors. infoTRON aims to keep its brand promise of "Together We Create the Future in 3D" by supplying a wide range of 3D technology solutions for improving business efficiency and offers sustainable value-add to its alliances, customers and to the society.

The product and service portfolio of infoTRON includes:

Product Design & Development:

Industrial Design

Mechanical Design, Engineering and Analysis

Ergonomics and Virtual Prototyping

3D Printing and Rapid Prototyping:

infoTRON has over 20+ years of experience and 75% market share in 3D printing and rapid prototyping in Turkey

30+ 3D printers have been installed in Top50 Companies of Turkey

Local Post-Sales Technical Support also provided

3D Scanning, Reverse Engineering and Quality Control:

Digitalization of product development processes and product optimization

Design and final product compatibility and tolerance, standards compliance tests

Physical model manufacturing; re-production of manufactured equipment, molds and products

Product Lifecycle Management (PLM) Services:

In cooperation with Dassault Systèmes, infoTRON offers CATIA & ENOVIA software and implementation

Virtual Reality:

Real-time Virtual Prototyping

Design and Engineering Analyses on 1:1 scaled models

Virtual Training on Virtual Prototypes

Augmented Reality

Simulation:

3D Content Creation for simulators and virtual worlds

3D Visualization Software Tools and Hardware

Development of Human Machine Interfaces

Development of intelligent simulation environments for civil and military applications to simulate, test, and evaluate

Digital display development

HWIL simulators

## IPA DEFENCE

R&D, Software, System Integration, Electronic Card Design, 3D Material Modelling, Ground Penetration Imaging Algorithms, Hyperspectral Sensor Technology



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**Selin Açık** Board Member  
**Cengiz Şanlı** Corporate Sales Manager

## Profile

İPA Defence Systems, founded in 2009 with the objective to reach global competitiveness in defense industry, has acquired an important place within the defense sector of our country by signing successful agreements with global leading brands. İPA, being responsive to the needs of particularly government/state agencies and institutions, and also the private sector, has created a country oriented interest map of strategic success with her broad range of products.

# İŞBİR

Electrical System, Generator, Energy



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**Burhan Özgür** Ceo / General Manager  
**Hakan Özat** Finance Director  
**İzzet Yırgal** Technical Director  
**Özgür Can** Export-Import Manager  
**Ali Çağlar** Logistics and Purchasing Manager  
**Hasan Ali Karagöz** Sales Manager

## Profile

İŞBİR ELEKTRİK SAN. A.Ş. has produced and still continues to produce very important projects on alternator and generator that has high local content ratio to Turkish Defense Industry and civil institutions from 1977 to nowadays. It continues working on new projects that meet the technological requirements with good engineering skills, strong infrastructure and open for improvements, quality focused business structure. İŞBİR produces Mobile dual generator sets that are used for Military and Civil applications, especially silent generator, For Ships, Security Boats and Trailers it produces Marine Type Diesel generator Sets, Synchronous Diesel Generator Sets and Frequency Convertors.

İŞBİR stands for a guarantor of continuous energy which is a requirement of people with its high quality production, active and continuous sales, quick after sales supports. İŞBİR offers solutions to clients with its dealers and authorized services that are located at seven geographical regions, all over our country.

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**Osman Zeki Sircan** Chairman  
**Burcu Cebeci** General Coordinator

## Profile

Since 1975 our company has been manufacturing intelligent manufacturing management and HAVAC industry in the sense of HAVAC and ARGE boutique custom mechatronic designs. As a solution partner for leading companies in defense industry in special boutique designs, ARGE designs and production of the following systems have been realized.

SPECIAL AR-GE BOUTIQUE DESIGNS FOR DEFENSE INDUSTRY:

- Rocket Simulator Container Cabinet Production of SKADA-controlled terrestrial mobile test cabinets at -65°C and + 70°C,
- Robot Eye Target Tracking System device testing and simulation unit -60°C + 70°C heat SKADA control and reporting, intelligent production management custom design.
- Thermal heat generator cabinet conditioning and test unit + SKADA management and control system at -100°C + 100°C.
- Optical coating unit stable cold water unit + 4 ° C + 20 ° C data processing control.
- Optical coating unit stabilization hot water unit + 30°C / + 80°C data processing control.
- Stable cold water 22°C radar unit stabilized heat conditioning and control unit.
- Stable cold / hot -20 / +100 ° C controlled cabin air and humidity conditioning. Laser unit test and analysis unit heat + pressure + flow rate + kcal / h detection and equipment tests.
- Laser 3-group unit test and analysis unit heat + pressure + amount of heat consumed, cross control and unit tests at high pressure. Computer test unit with high pressure air control 750 Pa / 30 ° C 250 m<sup>3</sup> / h air drying and air conditioning unit with 30C ΔT. Continuous 0 ° C air charge
- Aircraft parts under 200 bar pressure test unit -65°C + 120°C data

processing equipment and intelligent production, design capable of high pressure chamber unit tests

- Device that performs 250 m<sup>3</sup> / h of air charge to the chamber unit under high pressure between -40°C + 70°C and is programmed (70°C ΔT Cooling 100% fresh air) (Custom smart production, design)
- Product tester capable of continuously spraying 2000 m<sup>3</sup> / h of air with 40 ° C ΔT under 400 mbar pressure and 250 m diameter nozzles into aircraft computers and cockpit at 0 ° C.
- Test device that constantly controls 90% humid air with stable heat in the tunnel at 22 ° C constant temperature with 20% relative humidity.
- PVD Coating technology unit stable heat control and monitoring devices that can keep the heat released at the desired limits constant.
- Special design testers (intelligent management, design) that can keep the inside temperature of the cab + 22°C at standard temperature without losing any performance value at -40°C to + 55°C outdoor temperature
- A test unit that can cool the + 70°C return fluid to the desired degree by instantly controlling the wing mold with precise control at the composite airplane wing production plant and charge it to the system with a temperature of 10 0C and keep the mold homogeneously at the desired limits.
- Warplane computer simulation system, -40 / +70 ° C pressure, flow rate and temperature control panel
- F35 / F16 / F4 aircraft engine coolant system, mobile or fixed container, 6 PSI pressure, 1200 CFM flow rate, 0 ° C constant temperature
- 5 kW / 2,5 kW transfer fluid heating / cooling test and control unit, -46 oC liquid cooling system
- Diesel engine air conditioning and system cooling unit

# İSTANBUL SHIPYARD

Ship Building, Ship Repair & Maintenance, Ship Modernization



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**Atilla Çiftçigüzeli** Ceo / Vice Chairman

**Tarık Var** General Manager

**Fevzi Yavuz Batum** Production Coordinator, Director

**Alptuğrul Sağlam** Repair and Maintenance Manager

## Profile

Istanbul Shipyard has started its activities in 1980s and after a process of restructuring in August 2003, it has been renamed as Istanbul Shipyard.

Istanbul Shipyard, with its 12.000 m<sup>2</sup> enclosed and 51.000 m<sup>2</sup> total area having six slipways, one 105 m and one 129 m length floating docks, three piers and 150 m length wharf, is capable of giving repair and maintenance service for 14 vessels at the same time. Istanbul Shipyard has 72.400 t/year metal processing capacity.

Istanbul Shipyard provides its customers a flexible, integrated production system at its shipyard with several production facilities including in-house design office services.

Istanbul Shipyard is capable of designing and building a wide range of patrol vessels (OPV, Coast Guard, Police, SAR and Interceptor) and auxiliary vessels (Submarine Rescue, Rescue and Towing, Seismic Research, Replenishment Tanker) as well as offering modernization, conversion, repair and maintenance services. Istanbul Shipyard, which aims to develop its productivity with its environment-friendly principles, is one of the exceptional shipyards, performing inspections during every step of production, quality, occupational health-safety measures and having ISO 9001, OHSAS 18001, ISO 14001 and National & NATO Facility Security Clearance Certificates issued by Ministry of Defence.

# İSTANBUL SİLAH

Manufacturing and Exporting Variety of Shotguns and Parts From Turkey to The Whole World, Well Known Quality On The Market



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**Erol Kurt** Ceo

**Semih Uzun** Trade Manager

**Burak Unver** Sales Manager

## Profile

Istanbul Silah was established in 2003 to produce hunting shotguns in İstanbul, Turkey. Since then the company continues to manufacture and export variety of shotguns and parts in high volumes to the USA and all the world. In its new plant of 18,000 square meters and with over 230 employees. Not only manufacturing top quality products for world's most known brands, İstanbul Silah is producing own branded models such as Impala Plus semi-auto shotgun.

# KALE HAVACILIK

Aerospace and Defence

■ Kale Havacılık

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**Hasan Gulgonul** Business Development, Strategic Planning and Programs Director

**Onur Kaba** Business Development Asst. Manager

**Ezgi Karakullukcu** Business Development Specialist

## Profile

Kale Aerospace is part of a private, financially strong corporate always looking for new opportunities.

KALE Aero is a leading provider of structural components, assemblies and kits to the aerospace industry. We specialize in the fabrication of sheet metal, machined components for corporate and military aircrafts. Offering engineering collaboration, machining, sheet metal, assembly, heat treatment, shot peen, NDT and surface treatment services in-house and ability to outsource any other capabilities such as composites, tubing etc. makes KALE the ideal single-source supplier.

Our high-speed, 5-axis CNC machining centers are the backbone of our mechanical production, providing precision machining, milling, turning and grinding of components for the Aerospace & Defense Industry. They are specially selected and set up to fulfill the demands of the industry and their product specifications.

Approved by NADCAP on 6 different commodities including M&I and sustaining AS9100 standard.

# KAREL

Complete System

# KAREL

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**Serdar Tunaoğlu** Chairman

**Sinan Tunaoğlu** Ceo / General Manager

**Senih Başol** Defence Industry Solutions Director

## Profile

Karel Defence Solutions offers products and solutions for military communication systems for more than 15 years. Karel provides alarm & announce systems, telephone exchange systems for naval ships for Turkish navy, and also military field switchboards, intercom systems for armoured vehicles. Although the main focus is military communication systems, KAREL is also developing back up flight instrument "BFI" airplanes to answer growing Turkish aerospace needs. Karel designed and developed many different equipment for armed forces such as solid state disks "SSD", ruggedized/military hand held computers, IMU systems, special control cards and systems etc. Different products are currently being used by Turkish Army and some foreign armies as well. With its dynamic R&D department with more than 80 electronics engineers, KAREL Defence Solutions can response different customer requirements very promptly without needing any foreign license or IP rights. Additionally KAREL has one of the largest electronics manufacturing plant of Turkey for production her own designs and products. As well as this plant works as an electronics manufacturing service supplier for many companies including main contractors of defence companies and other manufacturers.



# KATMERCİLER

Defence Industry Products: The 4X4 Tactical Wheeled Armoured Vehicles, Riot Control Vehicles, Unmanned Ground Vehicles Design and Production



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**Mehmet Katmerci** Vice Chairman / General Manager  
**Furkan Katmerci** Executive Officer  
**İsmail Hakkı Kırkıl** Export Sales Director  
**Gökmen Ölçer** Financial Coordinator  
**Murat Sert** Director of Defence Products  
**Fahrettin Akpak** R&D Center Manager  
**Tarkan Özateşoğlu** Purchasing Manager

**Cihangir Çilingir** Business Development Manager  
**Yusuf Öztoprak** Defence Products, Marketing Segment Manager  
**Şahan Sümer** Ankara Factory Manager  
**Muhsin Ballı** Quality Manager

## Profile

Katmerciler, founded in 1985, took the first steps towards the Turkish defense industry with the riot control vehicle (RCV) production that it has been producing since 2010. 4x4 Tactical Wheeled Armored Personnel Carriers designed and developed in its own R&D Center, in line with NATO standards and ballistic strengthened, have become a powerful solution partner and supplier of the Defense and Security Industry along other vehicles that meet the different requirements of the Armed Forces and Security Forces.

Katmerciler is one of the stable companies of these lists: "ISO500", which shows the biggest companies of Turkey, "TIM1000", which shows the biggest exporters, and "EBSO100" which shows the biggest companies of Aegean Region.

Katmerciler, whose shares have been traded on the Istanbul Stock Exchange since 2010, exports its products to over sixty countries.

Katmerciler with its strong R&D Center and innovative approaches, being able to create innovations in many areas, producing solutions according to the needs, and making a difference from production to after-sales services with the philosophy of business without compromising on quality carries out its production in its factories in İzmir Atatürk Organized Industrial Zone and Ankara Capital Organized Industrial Zone.

# KAYALAR

Mobile Industrial Kitchen Equipment and Aircraft Kitchen Equipment



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**İslam Kaya** Chairman  
**Alp Dora** Ceo / General Manager

## Profile

Kayalar group was established in 1954. Having 53 years of industrial kitchen experience made Kayalar become one of the leader companies in the sector. Today in its 45.000 m2 space, of which 26000 m2 of this is covered area, it is designing, producing, developing and marketing industrial kitchen, kitchen equipment and plastic products, approximately 2500 types with over than 500 employees.

As a result of its international and domestic projects, Kayalar helps introducing of industrial kitchen sector in Turkey. In this way it performs one of its missions by exporting its products. Kayalar is serving with 8 sales stores and 54 vendors in Turkey and also it is expanding with new investments every day.

Kayalar formed its quality principles of production and services before and after selling based on customers expectations. Kayalar is determined to keep up its mission by improving the products and service system on the way of costumers needs and international standards.

# KOÇ

Hardware and Software Solutions of Electronic Systems for Naval Platforms



**Company Address** Odtü Teknokent Yazılım Teknoparkı,  
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**Ali Tark Uzun** Chairman  
**Hakan Başaran** Managing Director

## Profile

Koç Bilgi ve Savunma Teknolojileri A.Ş. (KBS) is one of the three defense companies of Koç Group in Turkey.

KBS deals with leading technology on electronic systems especially for Naval Platforms. Within the scope of electronic systems, KBS mainly focuses on underwater acoustic systems and message handling systems.

KBS has corporate technological background of sensor/system development using embedded systems, signal processing, mechanical, electrical and software engineering. As scope of products, KBS has nationally developed underwater acoustic systems, such as;

Sonar Suit, consisting of a sonar console with a user friendly HMI which displays the data streaming from the processing unit that has sonar signal processing and Detection, Classification and Localization (DCL) algorithms inside, generating a complete decision support system.

Smart Embedded Underwater Detection and Classification System, which has embedded system that solves DCL problem from its built-in passive sensors.

Echorium® sonar family; including Diver Detection Sonars, Mine Avoidance Sonars, etc. using active sonar techniques.

Torpedo Counter Measure Systems for submarines, including Warfare Analysis and Simulation tool which is a software in the loop simulation for shore based trainings and hardware in the loop simulators for launcher interface exercises.

Sonar Beacon systems for submarines,

Underwater Telephone system for submarines and surface platforms.

Acoustics Teat Range applications, underwater pinger locationing system developed for tracking the sub-sea platforms' trajectory.

Torpedo wake detector sensors

Environmental Modelling, Signal/Sensor Emulators for Acoustics applications

Buoy systems for naval gun firing scoring.

Transducers and hydrophones for underwater acoustics applications.

KBS also produces peripheral monitoring and control systems for ships and submarines;

PC Network Systems, IT solutions for naval platforms

Breathing Air Monitoring System, atmospheric condition monitoring for submarines, including Gas Analyzer and Sensor Systems.

KBS' other production line is "Message Handling System (MHS)" for ships/submarines to send and receive broadcast messages either from/to ships or shore, totally compliant with NATO BRASS infrastructure. The MHS systems is operated on the Message Terminal Units (MTU) which has customizable architecture to fit the platform requirements. MHS handles ACP:127 and X.400 messages compatible with STANAG 5066 standards.

KBS is always ready for your requests and requirements; "Your Imagination is Our Strength".

## KOÇAK

Production of Lubricant Oil, Grease, Antifreeze and Other Preparation Products (Car Care)



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**Yusuf Koçak** General Manager

**Tayfun Koçak** Asst. General Manager

**Ceyhan Çağlar Çapanoğlu** R&D Center Director

**Zeynep Esenoğlu** R&D Specialist

## Profile

In taking a place it deserves amongst the region's leading lubricant and grease producers with its quality service concept, technology-based investments, employees who focus on their customers and stable growth policies, Koçak Petrol was founded as a family company in 1989.

Koçak Petrol continues to add value to our nation's economy in the Automotive, Industrial, Defense & Aviation Industry, Textile, Construction, Railroads, Agriculture, Metal, Energy, Plastics, Machinery sectors with more than 250 products and over 600 packaging varieties.

Situated in Gebze / Kocaeli, on premises measuring a total of 14.000 m<sup>2</sup>, 4.500 m<sup>2</sup> of which are indoors, our Lubricant and Grease Blending Filling Facility carries out production that meets OHSAS 18001, ISO 9001 and ISO 14001 standards.

Active in the business of high-performance products in the U.S.A. since 1921, Speedol Oil has become a part of Koçak Petrol structure.

With the strength provided by a century of accumulated knowledge and experience, our fully-synthetic products with motorsports esterbased technology meet the expectations of customers who expect much more power and much more endurance.

# KOLUMAN

Automotive, Service, Superstructures



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**Türkay Saltık** Chairman & General Manager

**Kaan Saltık** Vice Chairman & Ceo

**Tolga Tunaboğlu** Cfo

## Profile

Koluman was setup in Ankara in 1965. Line of business of the Company was determined to be machinery trade, ferro - steel works, complete factories and installations, raw materials exports, touristic business and import, export associated with what has been aforesaid, electrogenerator groups and their import, brokering and representation. Aiming at continual growth and expansion ever since its very establishment, the Company became a holding in 1975 and at the date Koluman Holding Incorporated was setup. In 1982, title was renamed to Koluman Motor Vehicles Trade and Industry Incorporated. It was on May 1984 when Koluman Holding Incorporated became a commercial partner with Mercedes Benz Türk A.Ş. Since then Koluman Motor Vehicles Trade and Industry Incorporated focused on automotive sector, becoming one of the chief distributors for Mercedes Benz Turkish Incorporated, and began providing during and post sale service duties of the Mercedes-Benz brand vehicles (today, Koluman has service facilities in Tarsus/Mersin, Gaziantep, Ankara and Istanbul). In 1997, Tarsus Manufacture and Assembly branch "Koluman Automotive Industry (KOE) was setup with a view to performing design, production and integration works for various vehicle superstructures including military vehicles, continues its activities in a closed area of 80.000m<sup>2</sup> equipped with the latest technologies in Tarsus district of Mersin. Manufacture and assembly of dumpers, tankers, fire extinguishing super-structures, salt sprayers, vacuum cleaners, preparatory sweepers, snow blade equipments, and modifications to the vehicles are the main activities carried out. Production and integration of defensive superstructures and

militarization of the vehicles, production of the superstructure for aircraft refueler tanker and for vacuum runway sweeper and trailer and semi-trailer production are the other main activities carried out. KOE started its R&D studies at the end of the 2015 for the need of an 8x8 armored logistic support vehicle of Turkish Armed Forces. At the end of the 2018, DERMAN 8x8 Armored Logistic Support Vehicle was introduced to the market with KOLUMAN brand and high localization rate. With its production infrastructure, KOE has the capacity to meet the 8x8 truck and tow truck needs required by TSK for various special systems. Koluman aims to offer the "DERMAN 8x8" vehicle to NATO armies as well."

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**Fatih Koyuncu** Chairman  
**Seydi Koyuncu** Vice Chairman  
**İbrahim Avcıoğlu** General Manager

## Profile

KOYUNCU ÇELİK has almost 35 years of experience due to 1st generation business activity. The company reconstructed in 2008 and till then it has been working with the recent legal statues and corporal profile under the name of KOYUNCU Çelik LTD ŞTİ.

Our company currently working in Mersin, and operating:

1. Design and consultation
2. Production
3. Instillation (montage)
4. Metal surface painting and sandblasting activities with ISO quality standards in the field of automotive, machinery and manufacturing industry and steel construction.

In the field of military industry, the company has been producing equipments particularly necessary in the military operation areas like logistic storage products, prefabric living and office buildings and the devices which are used for replacement of these buildings. Productions are based on NATO STANDARDS.

Our main (patented) products in the field of military industry that we are experienced:

1. 40 Feet Modular Ammunition Store,
2. 20 Feet Modular Ammunition Store,
3. 10 Feet Modular Ammunition Store,
4. 40 Feet Modular Fuel Depot and Transport Facilities
5. 20 Feet Modular Fuel Depot and Transport Facilities
6. BOX Type Modular Ammunition Store,
7. Container Carriage (Trailer),

8. Living and Office Containers.

# KRL



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**Semih Karal** Chairman, General Manager  
**Nevzat Kerimođlu** General Coordinator  
**Ahmet Özkaya** Technical Manager

## Profile

Founded in 1986, KRL Elektronik Co. first started to produce electronic devices. Industrial steel detectors, power supplies, data line panels and control devices are amongst those devices. As of 1998, electro mechanic and metalworking units were established. Electronic device boxes and 19" computer cabinets are the products produced.

KRL produces various cabinets, boxes and panels for the safety of computers and electronic devices and offers technical and reliable solutions to its customers. These solutions start from the sampling and end with the mass production. KRL is especially specializes on 19" computer cabinets and produces mounted cabinets with high performance profiles and plates.

Its objective is to reach at a specific level of quality in local and foreign markets and maintain its place in the sector with its qualified engineers and technicians.

## M-D2

Ammunition Disposal Solutions and Test Systems



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**Ahmet Turhan Ural** Manager  
**Ragup Sarıoğlu** Manager

## Profile

M-D2 Engineering was established in 2005. It is an engineering company developing projects in solvent recovery, disposal energetic materials (small caliber ammunitions, composite fuels, TNT, RDX, gun powder, Melanj) and special purposes equipment manufacturing. M-D2 designs systems, sub-systems, process and special purposes equipment. Installation, erection, commissioning, user training of the systems are also done by M-D2 as a part of complete service package. In addition to project development, M-D2 provides technical consultancy for solvent recovery and sells analysis equipment and blast proof containers.



## MAK SAVUNMA



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**Bülent Karatokuş** Deputy General Manager

**Serdar Karatokuş** Deputy General Manager

## Profile

Mak Savunma's main field of activity is mechanic, electromechanic military spare parts production and mounting. Moreover, it is in the sector in the production of cable groups.

# MAKEL

Cbrn Filters & Protection Systems, Life Support Systems,  
Enviromental Control Units, Auxillary Power Units



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**Tonguç Yalçın** Deputy General Manager  
**Suat Ay Business** Coordinator

## Profile

MAKEL Technology, manufacturer of company patented products and a well-known OEM, has reached the current status through 17 years of strictly decisive policies implementing the visionary strategies that have managed to transformed the company from brand representative / service center to aforementioned level.

MAKEL Technology is the sole supplier for COTS CBRN products to the Turkish Armed Forces in compliance with NATO standards and certified subcontractor for 'Subsystem design and Manufacturing' of ASELSAN.

The core business of the company is 'Life Support Systems' whose main components are CBRN Filter / protection system, auxiliary power unit and environmental control unit. The company's expertise accumulated through the logistics support provided to Turkish Armed Forces that merged with the Group's R&D culture in the course of activities. The structural changes accomplished, aided ultimate development and manufacturing of indigenous products and sub systems integration.

On the other hand single or double function unit design and production in line with the customer requirements has a considerable portion in the company activities. The best example is the CBRN product line: extending from individual protection (40 m3/hr) to Stanag 4447 - Naval Radial CBRN Filter (300 m3/ hr), from there to MFB-1200 Collective Protection Filtration Unit for Naval and Building applications (2.400 m3/hr)

### References

ASELSAN  
BMC  
FNSS  
HAVELSAN TEKNOLOJİ RADAR  
KATMERCİLER  
SAVRONİK  
PAGETEL  
NUROL  
ROKETSAN  
VESTEL  
STM  
OTOKAR  
TSK

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**Rıza Küçükemre** Plant Manager

**Ahmet Çelebi** Finance Manager

**Senem Yenerer** Mutlu Export Import and Purchasing Executive

**Selma Kansız** Production Planning Executive

**Suna Uçkan** Quality Assurance Executive

**Alfan Taşdemir** Domestic Sales Expert

## Profile

Maktel AŞ. / TURKEY is proud to have earned a reputation as one of the premier companies in the spring and wire form manufacturing industry since 1972.

As our company vision statement say:

Maktel is a family of dedicated individuals who have a passion for quality, continuous improvement, and customer satisfaction.

Maktel springs are used in almost every product and in almost every facet of our lives. Each of our facilities operate with total compliance to specifications in the manufacturing of coil springs, metal stamped parts and metal forms.

Maktel Springs and Hose Clamps are manufactured in compliance with international standards.

Maktel is a certified company from URS. All of our workers are aware and working according to the standards mentioned below:

- ISO 9001:2008
- ISO 14001:2004
- ISO TS 16949:2002
- BS OHSAS 18001:2007

Maktel is a confirmed supplier of many well known producers in white good sector, automotive sector and other sectors.

Maktel company is an expert in the manufacture of wide range of metal springs and spring related products.

- Expert design service
- Quality mass production
- Hand skills for low volume orders

- Competitive pricing
- Total compliance to international standards
- Outstanding customer service

We work from drawings, samples or design springs according to customer enquiries

Products such as,

- Compression springs
- Extension springs
- Torsion springs
- Valve & piston ring springs
- Wire & strip forms
- Hose clamps

Please see our products details at our website

[www.maktel.com.tr](http://www.maktel.com.tr)

## MATEŞ

Aircraft Refuelling Vehicles, Aircraft Ground Supply Equipment-  
Aircraft Fuelling Equipment



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**İbrahim Ateş** Chairman

**Mertcan Ateş** Ceo / General Manager

**Halil İbrahim Aytaş** Deputy General Manager

**Duygu Gerçek** Finance Manager

## Profile

MATEŞ manufactures Aircraft Refuelers for both civil and military purpose (tank capacities of 4.000 L to 80.000 L with flow rates up to 4.000 l/min) , Helicopter Refuelers, Mobile and Stationary Fueling Skids, ADR approved Tank Trucks, Hydrant Dispensers, Pit Cleaners, and other types of refuellers.

# MAY CYBER TECHNOLOGY



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**Haydar Şar** Member of Board

**İlkem Özar** Ceo/General Manager

**Mehmet Emre Karaoğlu** Cfo/Chief Financial Officer

**Berivan Arslan Kavgaoğlu** Cto/Chief Technical Officer

**Fazıl Ekici** Cso/Chief Sales Officer

## Profile

# ME-GE TEKNİK

Cable Wire Harness and Electrical Box& Panels Desinging and Manufacturing



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**Metin Bozdemir** Vice General Manager  
**Pınar Han Özyürek** Production Director  
**Sena Güngör** Quality Manager  
**Didem Ulu** Business Development Manager  
**Serkan Doğan** Project Manager  
**Serhat Akyıldız** Finance Manager

## Profile

MEGE TEKNİK is a private company with an absolute dedication to Defense ,Aviation and Space Industry with its qualified engineers and technicians having long years of experience in this sector.

Our company offers cable harness and wire harness design, prototyping and manufacturing services. We produce and test all cable assemblies and wire harnesses according to military and aerospace specifications and special customer requirements.

A strong and effective Quality Assurance Program, that is fully compliant with AS EN 9100, ISO-9001 and associated military requirements, forms the cornerstone of our operation and is a major contributing factor to our continuing controlled growth and success.

MEGE is Airbus approved supplier since 2011.

Main Projects :

- AIRBUS: A400M military cargo aircraft fuselage harness production (from 2007-still)
- SIKORSKY: Production of 65 different harnesses for tail cone and rotor pylon of MH-60M, UH-60M and S-70i helicopters (from 2008-still)
- ATAK Helicopter: Harness manufacturing (2015-still)
- Upgrade program of C130 aircrafts : harness production (2011-still)
- BOEING: NATO AWACS Program harness manufacturing
- ASELSAN: Manufacturing and design of many kind of wire harness and electronic boxes for different projects and platforms (avionics, electro-optics, communication, radar systems etc.) .

(from 2002- still)

•ROKETSAN: Manufacturing and design of many kind of wire harness and electronic boxes for different projects and platforms. (from 2002- still)

•FNSS: Manufacturing and design of many kind of wire harness and electronic boxes for different projects and platforms. (from 2005 - still)

We comply with the customer specifications and following workmanship and standards in our process.

- IPC/EIA J-STD-001C, Requirements for Soldered Electrical and Electronic Assemblies
- IPC-A-610C, Acceptability of Electronic Assemblies
- ANSI/ESD S20.20-1999, ESD Program for Protection of Electronic Parts, Assemblies and Equipment
- IPC/WHMA-A-620, Requirements and Acceptance for Cable

# MENSAN

Defence Aerospace Technology Construction Industry and Trade Company

**MENSAN**  
DEFENSE AEROSPACE TECHNOLOGY CO.

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**Mustafa Akbaba** Chairman, Board Of Directors

**Abdulkadir Gökhan Aydın** Deputy Chairman, Board Of Directors

**Şakir Serhat Kantik** Coordinator

## Profile

Defence Industry : Foreign Trade, Project and Project Consulting, Representation, Co-Production, Wind Tunnel, Command Control Systems, Operator Console, Military Grade Cabinets, Electronic Control Systems, Embedded Software, Target Systems, Military Tactical Clothings, Ballistic Vest. Construction Sector: Project and project consulting, superstructure, infrastructure, alteration, strengthen building, decoration and the restoration, military building construction.

# MES MAKİNA

Aluminium Alloy Rocket Bodies, Rifles and Shotguns, Missile and Ammunition Components for Defence Industry



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**Cenk Düzyol** Marketing and Business Development Director, Contact

**Seyhun Düzyol** Quality and Planning Director

**Sezai Rifat Balkar** Technical Director

**Ali Rıza Yersel** Finance Director

## Profile

MES Makina Elektrik Kimya San.A.S. has been established in 1965 in Istanbul as a family owned company. Soon became the experts in hot and cold forming of aluminium alloys, MES is a unique company today who can combine and practice the technologies of hot and cold forging, deep drawing, impact extrusion, machining and surface treatment.

Having been the first private company in Turkey to receive the production license for defence industry, MES has been serving the defence industry since 1974 with precise high quality aluminium alloy parts in 2XXX, 5XXX, 6XXX and 7XXX series, along with the automotive industry, energy industry and various markets. Main products are automotive rod and suspension arms, high pressure aluminium alloy gas cylinders, filter bodies, sports shutguns and rifles, pistons and missile parts, ammunition parts, transformer bodies, automotive break cylinders, etc.

Running production with in its fully integrated facility built on 16.000 m2 located in Gebze/Kocaeli, MES is the supplier to all leading companies in their markets worldwide and proud to offer not only the highest quality aluminium alloy parts, but also the best after sales service and fast response to meet customer needs.



## METEKSAN DEFENCE

Radar Systems, Perimeter Surveillance Systems, Laser and Electro-Optic Systems, Communication Systems, Underwater Acoustic Systems and Platform Simulators

**METEKSAN**  
SAVUNMA

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**Selçuk Kerem Alparslan** President

**Özgür Cankara** Vice President

**Erdal Torun** Vice President

**Burak Akbaş** International Sales, Marketing and Corporate Reputation Director

## Profile

Meteksan Savunma is a Turkish defense technology company, based in Ankara specializing in microwave and millimeter wave systems, laser systems, communication data links, underwater acoustic systems and simulators. It is part of Bilkent Holding, a large conglomerate funded by Bilkent University, which is Turkey's 15th largest industrial group, and privately held.

Meteksan Savunma is one of the suppliers of the Turkish Armed Forces, and has been involved in projects such as missile defense systems, attack helicopters, UAVs, corvettes and underwater weapons systems.

Company's main work areas and products can be summarized as follows:

Heli-MILDAR (Fire Control Radar for Helicopters)

UAV-MILDAR (SAR/GMTI & Target Detection and Tracking Radar for UAV's)

Retinal Perimeter Surveillance Radar Family

Automated Take-off and Landing Sensor for UAV's

Radar and Laser Altimeters

Fiber Laser Systems

Data Links for Missile Systems

Tactical Data Links

Hull Mounted Sonar

Transducers and Hydrophones

Underwater Early Warning Sensor Networks

Damage Control Simulator

Fire Training Simulator

Various Electronic Sub-Systems

# MILENS

Telecommunication, Defense, Security & Information  
Technologies



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**Berkant Nergiz** Ceo

**Levent Mutlu** Vice President

## Profile

MILENS® is a leading solution and service provider established in 2007. MILENS is producing end to end value-added and creative solutions in the Telecommunication, Defense, Security and Information Technologies markets, providing; planning, counselling, implementation, integration, multivendor integration, engineering, procurement, R&D, project management, maintenance, optimization and all required infrastructure support offering carrier grade products and services to the national and international private and governmental institutions.

Company headquarters and branch offices are located in Ankara. Our offices are "NATO" and "NATIONAL" secret certified.

Our investments and decisiveness to strengthen our market portfolio is on-going in Manufacturing, Integration and new Test Facilities. Today our quality of support is appreciated still by our customers with new contracts.

We measure our success by our value add for our customers. Customer loyalty is our most important achievement and to keep it high we invest in our people and our customer relationship. We want to be recognized with our exceptionally high motivation for providing value to our customers.

# MILSOFT

System Integration & Software Development



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**İbrahim Aksu** Business Development/ Marketing Director

**Gözde Başyigit Baklan** Finance and Financial Affairs Director

**Burak Baysak** Quality Management Director

**Süleyman Altuntaş** Engineering and RD Director

**Ekrem Serin** Products Director

**Mehmet Degirmencioglu** Programs Director

**Ayhan Dönmez** Acquisition and Contracts Director

## Profile

MILSOFT Software Technologies is a 100% Turkish & private company, which was established in 1998, specialized in System Integration and Software Development. MILSOFT has business presence and interest in public & defense industry and public sector.

MILSOFT has more than 200 employees and it conducts operations in its own R&D center at METU Technopolis / Ankara, TeknoparkIstanbul / Istanbul and also in Washington-D.C area U.S.A. MILSOFT develops the products with its system and software engineering infrastructure to meet the customer satisfaction in a cost/schedule effective method.

MILSOFT is the first company in Europe to achieve CMMI Level 5 (which is the highest level a company can achieve according to the CMMI methodology, that is very well accepted all around the world to evaluate the software companies. After the last assessment, completed on December 20th, 2013; MILSOFT was certified fourth time as CMMI-5. In addition to CMMI Level 5, MILSOFT has NATO AQAP-2110, NATO AQAP-2210, NATO AQAP-160, TS-EN-ISO 27001:2013 and TS-EN-ISO 9001:2008 certificates. MILSOFT has Facility Security Clearances in the level of both "NATO Secret" and "National Secret".

MILSOFT, besides the Turkish Armed Forces, provided and still provides critical software solutions to France, Germany, Italy, UK, USA and Pakistan.

MILSOFT's areas of expertise are;  
C4I

Data Links and Messaging

Image Exploitation Systems

Electronic Warfare (EW)

Modeling and Simulation

Embedded Systems

ICT Solutions

Cyber Security

# MKEK

Mechanical and Chemical Industries Corporation



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**Akif Akgül** Deputy General Manager

**Hayrettin Özden** Deputy General Manager

**İlhan Akdeniz** Deputy General Manager

**Hasan Şahan** Head of Marketing And Export Department

**Osman Pakel** Head of R&D Department

**Yaşar Bakal** Head of Financial Affairs Department

**Kenan Kökçü** Head of Production Management and Engineering Department

**Kemal Çalışkan** Head of Administrative Services Department

## Profile

MKE, with its experience rooting to the 15th century, is the leading company in Turkish Defence Industry keeping the modern and high technology in priority.

MKE derives its strength from dedication to technology, unconditional customer satisfaction and production performance at the world class high technology plants in order to have a strategic position in the Global Market.

MKE, has been the main supplier of Turkish Armed Forces, under various names, since its establishment and gained its current legal status as a state organization in 1950.

MKE, having a large range of products, not only serves the Turkish Armed Forces but also takes share in the International Defence Industry Market by exporting to more than 40 countries.

MKE with its 10 modern factories 5453 experienced personnel keeps its range of production in 4 main groups as follows:

Ammunition Group Rocket Group Weapon Group

Explosives / Powders and Pyrotechnic Products MKE is proud to be awarded with latest AQAP and ISO certificates for both Head Office and factories.

# MTU

Diesel Engines, Gas Engines; Generators, Ship Propulsion and Controls, Vehicle Engines



Power. Passion. Partnership.

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**Ali Güzel** Ceo / General Manager  
**Yücel Hanoğlu** Deputy General Manager  
**N. Tuba Durmaz** Cfo  
**Onur Tüter** Technical Director

## Profile

MTU is a well-known company that has more than a hundred years history and its headquarter is at Friedrichshafen-Germany. MTU Motor Türbin San. ve Tic. A.Ş. - MTU Turkey started activities in Turkey with just 8 employees in 1990 and now it has a wide operation range with a workforce of more than 150 people.

MTU Turkey is managing sales, service, spare parts and logistic support activities for all MTU products in Defence, Marine, Industrial and Onsite Energy segments.

MTU Turkey also started the production of 595 Series engines, that are also used at Milgem Project. Company have two engine test centers and is the training center not only for its own staff or territory, but also for MTU distributors from other countries.

Besides these activities, MTU Turkey has the proud of having the first facility that is manufacturing engine parts outside Germany with its 4000 series cylinder liner production at its Hadımköy Factory. The quality standards of these operations are outstanding and over the expectations.

MTU Turkey has Management, Production and Service Facility at Hadımköy-Istanbul; Sales Marketing and Service Center at Kartal İstanbul, Regional Offices at Ankara, İzmir, Adana, Antalya and authorized service dealers among Turkey.

MTU products have a wide range and are the world market leader in most of their segments. MTU Turkey offers different solutions to its customers together with continuous after sales service in the areas of: Commercial and Military Marine Applications; Engine and Transmission Systems for a variety of Armored Personnel Carriers

and Tanks in the Defense Sector; Co-Generation Systems which meets continuous electric and heating/cooling demands; Diesel Engines and Gas Generator Systems for continuous and back-up energy needs.

Lastly, MTU has the proud of being in the important National Projects; Milgem – National Ship at Naval and Altay – National Main Battle Tank at Defence segment.

# NANOBIZ

Cbrn Technologies, Biological & Chemical Detection, Identification, Decontamination, Explosives Detection Technologies



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**Zeynep Öktem** Ceo  
**Berrak Özcan** Senior Operations Officer  
**Yiğit Aksoy** Senior Lab Officer  
**Evren Akar** Ux Director

## Profile

NANOBIZ Technology Inc. has been established in Middle East Technology Science Park in 2006. Company is focused on CBRNe concept, mainly on detection & identification of biological & chemical warfare agents. NANOBIZ develops detection kits as well as portable - field usable & user friendly analysing devices for detection & identification. Company has also ongoing projects on detection of explosives.

Both ISO 9001:2015 and ISO 17025 Quality Assurance Systems are used in NANOBIZ. In addition to that company has NATO and NATIONAL Level Facility Security Certificates.

NANOBIZ has BSL-II Level wet Lab and infrastructure. Company also offers accredited Fungus Test Service to companies according to MIL-STD 810 / DO-160 / ASTM G21-15 standarts.

## NERO INDUSTRIES

Fire Suppression System, Generator And Auxillary Power Unit, Cbrn Filtration System



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**Gülnur İnan** Financial Manager  
**Armağan Sayaç** Electric And Electronic Systems Manager  
**Aykan Demirbilek** Planning Manager  
**Fuat Erdemir** Mechanical Systems Manager  
**Hidayet Aksu** Project Manager

## Profile

Nero Industry A.Ş. established that to this day with local design and solutions, Turkish Private Industry and Private Sector has presented many projects and system solutions. Today in need of Private Industry local system builder knowing his mission mission, with teams of experts and capacity fully or partially able to produce the original system and application solutions.

Since Nero Industry 2008 for vehicle and commercial sectors in working with project-based and mass production method 100% of the domestic SME companies.

With the rapid procurement and prototype production through domestic production facilities tool the aerial application offers complete system solutions.

With producers and coordinated system design according to the need manufacturer that needs technical support and provide support documentation.

With technical staff and experienced engineers CAD solution aims excellent results with the quick responses.

Nero Industry instead of direct imports for the Turkish Private Industry, Overseas, taking the know-how support from the company, systems are localization. Therefore, our country is to provide this technology. Through closely consulting with our customers about every aspect of their product needs, we keep them informed — from the design, research and development stages right through to manufacturing the desired product. Our customers can rest assured that our professional team consists of qualified and skilled designers, engineers, scientists, draftsmen

and R & D specialists that can execute any project with precision and expertise.

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**Derviş Gedikoglu** Sales Manager  
**Veli Özger** R&D Manager  
**Alpagut Serin** Export Manager

## Profile



# NORM TECHNOLOGIES

Cbrn Protection Suit Systems and Ballistic Protection Systems



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**Nurettin Ögütoğulları** Cfo & General Manager

**Candiyar Ögütoğulları** Asistant of General Manager

**Candan Eroglu Kırdemir** Project Director

**Hüseyin Sener** R&D Manager

## Profile

Norm Group was established in 1988 and has been focused on bespoke projects and consist of various companies including defence industry. It has been producing CBRN suit systems till 2012.

Norm produces CBRN protective suits, CBRN Overboot, CBRN Glove at highest protective level of NATO Standards AEP38. It is able to produce activated carbon, spherical activated carbon, paraaramid fiber, ballistic fiber and ballistic fabric, ballistic protective vest, fireproof fiber and fire fighting cloth, carbon fiber and activated carbon fiber, carbon felt and activated carbon felt, body armours, sleeping bags, wind energy, energy storage technology, super capasitor.

# NUROL MAKİNA

Wheeled Armored Vehicles, Shelter Systems, Special Purpose Platforms, Cbrn System Solutions, Land Platforms



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**Anıl Karel** Deputy General Manager (Business Development)

**Melih Şahin** Deputy General Manager (Operations)

**Kemal Uyar** Deputy General Manager (Programs and Corporate Operations)

## Profile

Nurool Makina ve Sanayi A.Ş. (NMS) is one of many companies operation under Nurool Holding A.Ş. which has completed and still resuming to develop several remarkable projects all around the world. NMS continues her activities in an area of: 65.000 m2 open and 25.000 m2 indoor area located in Ankara/Sincan, TURKEY. Being one of the main contractor of SSM (Turkish Ministry of Defense Undersecretariat of Defense Industry) and with over 30 years of experience, NMS is a strong solution partner and a reliable supplier of homeland security and defense systems.

With her powerful background in R&D, production, logistic support and with high technology infrastructure it owns, NMS ensures superior quality services to security forces and armies, both in Turkey and around the world, and will continue to assume its role in preservation of security and peace.

NMS designs and manufactures indigenous vehicles such as;

EJDER YALÇIN 4x4 (Tactical Wheeled Armored Vehicle) provides the highest ballistic and mine/IED protection in it's class. More than 250 vehicles are in service at the meantime

ILGAZ 4x4 II (Internal Security Vehicle) is a Light Armored Vehicle (LAV) designed on a commercial chassis. Different types of weapon stations can be integrated to various mission types. The same type of vehicle can also be designed as military chassis.

EJDER TOMA 4x4 (Riot Control Vehicle) which has ballistic and IED protection is an indigenous design of NMS. At present it has been delivered to 200+ international users

EJDER KUNTER 4x4 ARMOURD TRUCK which is designed by

NMS engineers, can be adopted to various missions such as Armored Personnel Carrier, Armored Detainee/Prisoner Transport Vehicle, Armored Valuables Transport Vehicle, Armored Recovery Vehicle, Armored Tanker, Command & Control Vehicle and TOMA Riot Control Vehicle.

Special Purpose Platforms and shelter systems (According to NATO, ACE Standards) can be designed and manufactured by NMS.

# NUROL TECHNOLOGIES

Advanced Ballistic Armor Solutions



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**Ümit Yurdağül** Production Director

**Metin Tüfekçi** Marketing Director

**Erhan Bilgin** Sales and Marketing Manager

**Atilla Boştan** Production Manager

**Aynur Yatkın** Purchasing Manager

**Bülent Cerit** Production Planning Manager

**Jale Turnaoğlu** Financial Affairs Manager

**Kadriye Aydemir** Human Resources Manager

**Maksude Cerit** Research and Development  
Manager

**Burak Mert** Project Manager

## Profile

Nurul Technologies Inc. was founded in 2008 in Ankara as an affiliate to the Nurul Group of Companies for the design, R&D, process

development and production of Advanced Technique Ceramics with 100% local capital.

Our mission is to design, develop and produce lighter, more resistant and more reliable armor systems by using advanced technique

ceramics with powder metallurgy which only exists in a very few country in the world and ballistic composites.

Nurul Technologies Inc. that gives great importance to R&D studies and creates its own technology since its establishment till today, analyses the process starting from raw material to final product at its highest level quality laboratory. With its three full automation modern production facilities, Nurul Technologies Inc. offers customer satisfaction oriented and original solutions to requirements of

defense, technical textile and powder metallurgy industries.



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**Zafer Şen** Co-Founder, Chairman&ceo

**Öğuz Keskin** Co-Founder, Board Member & Chief Visionary

**Sadık Kula** General Manager Consultant

**Yusuf Tok** Vice President Technology Group

**Sühendan Işık** Vice President Human Resources & Corporate Comms. Group

## Profile

OBSS is one of the leading companies in IT sector of Turkey offering consultancy services to institutions and organizations with its expertise on software architecture, project management, version and configuration management, desktop/web/mobile application development, software quality assurance since 2005. OBSS has nearly 400 engineers experienced in Java, .Net, C/C++, IOS/Android, Functional Languages, ALM/DevOps/DevSecOps and Project & Process Management. Headquarter and R&D facility are in İstanbul Teknopark and there is a branch in Ankara. We develop solutions in turn-key, joint or outsource models for a wide variety of sectors in the software field, primarily in the fields of insurance, banking, telecommunications and defense industries.

OBSS crafts bespoke software from the grounds up or resolve software related challenges taking a polyglot approach tailored to customer's specific needs. It adopts best-fitting paradigm ranging from traditional object-oriented development to the reactive design and functional programming with the expertise in services ranging from micro-service architecture to cloud computing, cloud computing to machine learning and big data. Besides, OBSS has become platinum partner of Atlassian in 2014 which is the most prestigious level of partnership in Turkey and the Middle East.

Some of the areas that we mainly focused as part of R&D projects and consultancy services are stated below:

- Cloud technologies: Infrastructure and environment setup, develop solutions with major cloud providers
- Unmanned Surface Vehicle

- Machine Learning and Big Data: NLP, computer vision, audio processing, predictive analytics, data analytics and visualization
- Microservice architecture design and implementation
- DevOps/DevSecOps infrastructure/process design and implementation

Some of the OBSS certifications are listed below:

- CMMI Level 3
- ISO 9001:2015 and ISO 27001:2013
- Facility Security Clearance Certificate (applied)

# ODAK

Composite Parts and Systems Design and Production for Defence and Aerospace Sectors



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**Engin Berk Oğuz** Coordinator / Contact

## Profile

ODAK Kompozit Teknolojileri A.S. was founded in 2011 as a subsidiary of ÖSAK A.S., aiming for the design, analysis and manufacturing of fiber reinforced polymer composite parts and systems for aerospace and defense industries.

Our goal is to become a sought after company in composite technologies by providing our customers with the most suitable solutions and the highest quality products while offering good prices and perfect timing. With that goal in mind we carry the TS EN ISO 9001:2008 certificate since 2012 and also successfully obtained the aerospace related AS EN 9100 certificate in 2017.

ODAK Kompozit Teknolojileri A.S. is specialized in composite structures made from carbon fiber and epoxy resins. We can manufacture composite plates, tubes, sandwich structures (nomex, aluminum honeycomb or pvc, pmi foam core) in different thicknesses and properties that have special geometries or different forms and geometries using lightweight and durable composite parts in different processes. We also provide services regarding the composite parts and systems designed in accordance with the technical requirements, design revisions for composite manufacturing, structural analysis and optimizations of composite parts and systems.

Services that we can provide are:

Design and analysis activities that are tailored towards the customer specifications

Composite part production with varying methods

Non Destructive Inspection

Painting

Assembly – Subassembly

Model and composite mold production

Production of parts and molds with sensitive tolerances

Design and production of several apparatus and fixtures

# OERLIKON

Manufacturer

 **magmaweld**

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**Melike Cavcar** Technical Marketing Manager (Welding Consumables)  
**Bugra Uzgun** Key Accounts and Projects Sales Officer

## Profile

Magmaweld is a developer and a producer of welding products for most of the welding processes. Oerlikon Kaynak Elektrodları ve Sanayi A.Ş., the oldest company of the group, was established in 1957 in Istanbul/Turkey to produce stick electrodes under license from Oerlikon-Buehler AG. Later the product portfolio was expanded to include MIG/MAG & TIG Wires, Flux Cored Wires, Submerged-Arc Wires and Fluxes, Welding Machines, Welding Ancillary Products and Automation Systems.

In the year 2000, in order to reduce costs, to strengthen the leading position in Turkey and turn Magmaweld into a global brand, two old factories in Istanbul were moved to new, state of the art factory in Manisa, situated in the west of Turkey. In 2010 the second factory has been opened also in Manisa to produce high-tech welding equipment as well as to integrate robotic automation systems.

The MAGMAWELD brand came out as an analogy between the molten core of the earth, the MAGMA and the WELDPPOOL.

Magmaweld greatly values technical education and has been contributing to the training and education of thousands of welders through regular, free of charge courses since 1961. This service helps to increase consumer awareness and technical competence throughout the industry.

## ONUR

Ip Based Voice Communications Solutions, Air Traffic Management Solutions, Hybrid Network Routers For Tactical Communications



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**Cengiz Dede** Chairman of The Board  
**Noyan Dede** General Manager  
**Başak Hassoy** Deputy General Manager

## Profile

ONUR is an independent contractor specializing in the design, development, manufacturing, integration and life-cycle support of military and civilian systems with a particular focus following business areas:

- IP Based Voice Communications Solutions
- Air Traffic Management Solutions
- Hybrid Network Routers for Tactical Communications

Our mission is to help our customers achieve network centric communication capability by leveraging existing communication investments while ensuring interoperability with international standards.

### PRODUCTS

#### IP BASED VOICE COMMUNICATION AND RECORDING SYSTEM

ONUR's IP based voice communication system is a flexible, reliable and effective solution for voice communication needs. It meets both military and civil ATC voice communication needs. The system differs from other classic TDM based VCS products by having end-to-end IP implementation. Based on voice over IP technology, it allows effective interconnection of multiple communication sources including HF/VHF/UHF radios, telephones, intercom systems and legacy audio distribution systems.

#### MOBILE AIR TRAFFIC CONTROL TOWER

ONUR's Mobile Air Traffic Control Tower System is fully equipped for autonomy and transportability, fully compliant with the required air traffic control security standards for both civil and military applications. The system has all essential communications

equipment for Ground to Air (G/A), Ground to Ground (G/G), landline communication and all accessories to provide reliable and easy-to-operate ATC functions.

#### HYBRID NAVAL SUBNET ROUTER

Our router provides cutting edge and transparent tactical IP networking infrastructure without location limitations. The system is able to aggregate and converge existing radios (HF/VHF/UHF) for narrowband communications while supporting broadband newer generation wireless systems.

#### UAV VOICE COMMUNICATION SOLUTIONS

Our UAV Voice Communication Solution is an end-to-end IP based voice communication system which enables a flexible, reliable and effective solution for all types of communication needs. It is a special variant of our proven voice communication solution, that is specially optimized for UAV GCS applications with cutting edge capabilities such as airborne radio integration with integrated voice and relay capabilities.

# OSSA

Ossa Defense and Aviation Cluster



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**Ahmet Mithat Ertuğ** Chairman of Board

**Ece Umay** Coordinator

**Ugur Aydın** Project Manager

## Profile

OSSA Defense and Aviation Cluster (OSSA) is currently working with all the actors from Government Institutions to NGO's , from universities to companies in the defense and aviation sector to make this naturally specialized and condensed region more globally visible. OSSA is a civil and sectoral organization, developing policies on domestic producers supported by organizations such as Presidency of Defense Industries, Republic of Turkey Ministry of Trade, SSI, OSTİM Organized Region, Ankara Chamber of Industry, SASAD, Middle East Technical University Technopark, Ankara Chamber of Trade, Technology Development Foundation of Turkey, Small and Medium size Enterprises Development Organization and many others...

Since its establishment in 2007, OSSA has become an important cluster in defense and aviation industries with its research and development, precision engineering and flexible manufacturing capabilities.

Over 200 companies, 7500 employees and hundreds of engineers proves OSSA's strength and efficiency.

Today OSSA are proud to be certified suppliers of key industry companies like TAI, Aselsan, Roketsan, Havelsan and FNSS. OSSA as a internationally known cluster, due to work with international sectoral clusters and the membership of European Aerospace Cluster Partnership (EACP). OSSA received numerous awards both domestically and internationally such as "Defense industry special awards" 2 times by SSB, "Best Practice Award at International Competitiveness Projects" 2 times i by the Ministry of Trade and "European Cluster Excellence Initiative Bronze Lable Certificate" by

the European Commission.

OSSA organize "Industrial Cooperation Days in Defense and Aerospace (ICDDA)" by support of SSB in every 2 years, supply chain oriented business forum for contract manufacturers to meet through pre-planned business to business meetings and discuss partnership or business opportunities with OEMs and their Tier 1 suppliers for defense and aerospace sectors.

OSSA capability in the defense and aerospace sectors:

Composite, Electromechanics, Harness, Machining, R&D / Design, Sheet Metal Forming, Software, Surface Improvement, Test / Calibration, Aircraft Cabin Interiors, Ballistic Glass, Climatization Systems, Firearms / Military Equipments, Fire&Security Systems, Ground Support Units, Machinery Manufacturing / Test Equipments, Military Trailers&Seats, Space&Satellite Systems



# OTOKAR

Land Defence Systems

# Otokar

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## Profile

Established in 1963, Otokar is a company having over 30 years' experience in defence industry. Operating with more than 2000 employees, Otokar stands apart with its expertise in the design, development and system integration of all kinds of vehicles and platforms in the field of land vehicles for the defence industry.

The company is a member of Turkey's largest business conglomerate, Koç Group, which generates 7% of GDP and 11% of total exports of Turkey, which is the only Turkish company to be listed in the Fortune Global 500 list.

Otokar manufactures tactical wheeled and tracked armoured vehicles and turret systems with owned intellectual property rights. Otokar, apart from being the main supplier of the Turkish Military and Security Forces for wheeled tactical vehicles, serves almost 55 different end users in over 30 countries. Today over 30,000 Otokar military vehicles are in service around the world with an outstanding performance. Otokar military vehicles are globally deployed in various operations under UN and NATO flags.

Today Otokar has also started to stand out in global scale not just for its products with fully-owned intellectual property rights, but also with its know-how, engineering, R&D and technology transfer capabilities.

Otokar has been providing solutions special to the needs of the customers with its own technology, design and applications. Otokar designs and manufactures a wide range of defence industry products including 4x4, 6x6, 8x8 tactical wheeled armoured vehicles and tracked armoured vehicles as well as turret systems. Capability of the design, testing, development

and production under one single umbrella greatly differentiates Otokar among its rivals. Otokar is recognised with a wide range of Armoured Personnel Carriers, Mine Resistant Troop Carriers, Command & Control Vehicles, Reconnaissance & Surveillance Vehicles, CBRN Reconnaissance Vehicles, Border Security Vehicles, Weapon Platforms, Internal Security Vehicles, Recovery Vehicles, Medical Evacuation Vehicles and Ambulances. The vehicles are operating under many different climate and terrain conditions and their combat capabilities are proven as they are widely used in the high risk areas.

Otokar has also outstanding R&D capabilities. In the last decade, Otokar has invested about 4% of its total turnover in R&D. The Otokar R&D Centre features simulators and testing equipment to test the products more rapidly with state-of-the-art technologies, and computer systems to create and utilize information.

Otokar armoured product range includes Cobra 4x4, Cobra II 4x4, Arma 6x6, Arma 8x8, Ural 4x4, Kaya II 4x4, Kale 4x4, Otokar Armoured Internal Security Vehicle 4x4, Tulpar Armoured Tracked Vehicle and Tulpar S Armoured Personnel Carrier.

The Company has also been developing weapon and turret systems since 1989 and has a wide range of turret systems from 7.62 mm to 30 mm.

# ÖZTEK TEXTILE

Military Textile and Ballistic Systems



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**Ahmet Şevki Öztek** Chairman  
**Mustafa Emir Öztek** Ceo & General Manager  
**Yaşar Demirbek** Deputy General Manager

## Profile

Öztek Textile is one of the leading textile manufacturers in Turkey concentrating in Defence Industry with our brand "Spectra" which is specialized on technical textile fabrics, military and law enforcement uniforms, Ballistic products as Ballistic, Bullet Proof Jackets and Camouflage Nets.

Öztek Textile was established in 1995 and is presently processing 5.000.000 meters /month in weaving, knitting, dying, printing, finishing, coating and laminating of textiles in its own facilities that are spread on 170.000 m<sup>2</sup> of land. The year of 2001 marked the important decision of Öztek Inc. to launch a full R&D and production program in the area of "Technical Textiles" with the mission of producing textiles for the protection and well-being of civil and military end-users worldwide. In addition; Öztek invested its own Ballistic Laboratory facilities and making it own product testing.

Öztek Textile Military Textile Systems are:

Ballistic Armour Systems: Ballistic Fabrics, Ballistic Protective Vest, Ballistic vest Fabric and Ballistic Plate.

Signature Management Systems:

Multispectral Camouflage Nets; Visual, Night Vision (NIR), Thermal (TIR) and Radar (up to 100 GHz) protection by 2D Multispectral Camouflage Nets (MSCN)

Future Soldier(FS 2014) Suit: Protection form Visual, Night Vision (NIR), Thermal (TIR) detection systems and water proof, wind proof and highly breathable Future Soldier Suit fabrics.

Ghillie Suit: Night Vision (NIR), Thermal (TIR) detection protection, waterproof, flame retardant, anti mosquito sniper suits

EMI Shielding Fabrics: Blocking electromagnetic waves (especially for portable jammer users)

Protection Systems: CBRN Suits and Fabrics provides protection from Chemical, Biological, Radioaktif and Nuclear threats.

Multilayer Systems: Extreme Cold Weather Fabrics, Suits , Coats, Pancho / RainCoats. Between -40 C- +50 C windproof, water proof and highly breathable multi-layer fabrics.

Reinforcement Systems:

Combat Uniforms and Fabrics: Night Vision, antibacterial, water repellant, sweat absorbent and high tear & tensile strength combat uniforms and fabrics.

Rucksack Systems-DSTR: Our modular and detachable systems provides unique and ergonomic solutions.

I would like to also share our introductory video our where you may find more details

<https://www.youtube.com/watch?v=zTVvEcnM86Q>

# ÖZTİRYAKİLER

Defense Industry Logistic Support Systems



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**Yusuf Kenan Öztiryaki** Chairman of The Board

**Tahsin Öztiryaki** Deputy Chairman

**Sait Karabayır** Defense Projects Manager

## Profile

Ozti is a leading Turkish Company in designs and projects we produce industrial kitchen items in more than 4500 varieties and military logistic support systems in 18 different types since 1958.

The company has proved itself in terms of technological and quality standards, successfully exporting mobile logistic support systems to 20 different countries around the world.

Our LOGISTIC SUPPORT SYSTEMS are designed for rapid deployment and they are mainly based on two different supports: trailers and containers. Also they are produced to be operated by electrically or diesel energy, depending on customer's requirements. Containerized type units are manufactured to be operated and deployed in the environmental temperature of -32oC and +55oC.

USA, Russian Federation, Italy, UAE, Iraq, Kingdom of Saudi Arabia, Azerbaijan, Malaysia, Georgia, Thailand and Turkmenistan ,Panama,Mauritania,Zimbabwe,Qatar Armed Forces have provided their standard or specially designed Mobile Field Units from the Ozti factories in Turkey.

Ozti LOGISTIC SUPPORT SYSTEMS

Containerized Field Kitchen

Trailer Field Kitchen

Expandable Container Kitchen

Containerized Shower & WC

Containerized Bakery

Refrigerated Container

Mobile Laundry

Containerized Laundry

Mobile Water Purification System

Command Post Containers

Dry Cargo Containers

With our highly developed organizational network and qualified personnel we completed all kind of preparations to provide best service of training and maintenance under any conditions in the world.

# PAGETEL

System Engineering, Military Mobile Shelter & Shelterization



**Company Address** Fatih Mah. Çamlık Cad. No:44 Sarnıç  
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**Mehmet Uçkun** General Manager  
**Selim Bölgen** Vice Plant Manager  
**Enver Kahvecioğlu** Engineering Director  
**İsmail Kostak** Project Manager

## Profile

### COMPANY OVERVIEW

PAGETEL Headquarters and factory are located in Sarnıç, a village near Izmir (Turkey).

Pagetel has successfully completed/manufacturing shelters (NATO I, NATO III , NATO-III extended , ACE-I, ACE-II , ACE-III and Expandable), completely equipped, for the different Project of Turkish MOD and Turkish defence companies. Additionally, Pagetel delivered equipped shelters to the other country MOD and defence companies.

All these shelters have RF/EMI protection feature and have been produced and shelterized by Pagetel at the factory located in Izmir.

### PRODUCTION CAPABILITIES

Manufacturing activities performed directly by PAGETEL consist in assembling and welding/riveting raw material, special components and accessories purchased from outside sources. After the shelter cabin is completely assembled and painted, the internal installations, cable entries, internal cabling and equipment installations are done, customized in accordance with Customers specific requirements.

Following is the summary of the main manufacturing activities involved in the production of the equipped shelters for the all project:

Metal sheet cutting, Preparation of panels structures, Assembly of panel sandwiches and pressing, Shelter assembly/welding, Painting, Cable entries and internal cabling, Equipment installation, Accessories installation, Final testing.

### PLANT UTILITIES

The following plant utilities are available for the shelter production: Power System (Approx. 800KW) and electrical distribution,

Compressed air system, Transport and lifting systems, Warehouse facility, 35 KVA Generator

### WORK AREAS

The following main working areas are available at factory for the manufacturing process:

Structures cutting, Structures welding, Polyurethane & wood process, Panel assembling (preparation & assembly), Panel pressing, Shelter assembly, Surface preparation & painting (panel painting and shelter painting), Internal installations and cabling, Electrical workshop, Mechanical workshop, Inspection & testing.

In addition to the above production specific areas, the warehouse and shelter storage areas are available.

The current facility includes approximately 5.000 square meters of covered area, including 400 sq.m. area for offices and administration and 3.700 square meters of open area, and is considered adequate for the production of up to 200 shelters (bare shelters) per year.

### HUMAN RESOURCES

The human resources, which may change in working units on the basis of the work-load/contract, include:

Production manager, Engineering manager, Production supervisors (Panel preparation & assembly - Shelter assembly, Painting & finishing - Shelter Installation), Skilled workers (welders, mechanical installers ,electrical technicians, painters), Unskilled low-level workers (including warehouse and plant maintenance), Quality manager, Quality Control supervisor, Warehouse & Traffic supervisor, Local Buyer, Administration and Bookkeeping.

# PAPILON

Finds Answer Who



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**Doğan Demir** Chairman  
**Murat Kerimoğlu** Vice Chairman

## Profile

Papilon is an internationally structured Turkish company, which is one of the leading international companies in biometrics sector and one of the five 'manufacturers and system developers' in this field worldwide. We manufacture technologies to identify, detect and verify individuals by their biometrical characteristics and transforms these technologies to applications in defense and security fields. We have very strong Access Control Systems powered by multimodal biometric applications using different biometric data such as fingerprints, iris, footprints, face recognition etc. available for border controls, high security buildings, and for critical institutions such as Nuclear Power Plants. Papilon's Biometrical Integrated Automated Transition System (BEOGS) has created a new border security concept for the passport police at check points in Istanbul Atatürk Airport, as a very successful example of multimodal biometrics with e-gates.

Papilon has achieved and maintained the Turkish market leadership in the public security field for the past six years as we are the APFIS (Automated Palmprint and Fingerprint Identification System) provider of the Turkish National Police (Criminal), Turkish Gendarmerie (Criminal), Turkish Migration Authority, and Ministry of Justice Prisons for person identification and verification based on biometrics. Our products and systems have been purchased by governmental open tenders, the European Union and the United Nations, and we have commercial activities in over 25 countries from different continents. Our products comply with the quality standards of the ICAO and they are certified by the necessary authorities such as the FBI, NIST, CE, EMC, and TSE (Turkish Standardization Institution).

We are also specialized in large scale system integrations among different institutions and in biometric data conversion from other

systems.

Papilon is a member of the SASAD (Turkish Defense and Aerospace Manufacturer's Association) and also has R&D Center Status approved by the Turkish Ministry of Industry and Technology.

Basic Solutions of Papilon:

1. Forensic Investigation Solutions
  - a. Automated Palmprint and Fingerprint Identification System – APFIS/AFS
  - b. Instant person verification terminals
  - c. Face recognition and identification systems
  - d. Evidence photography system
  - e. Automated Ballistic Identification System (ABIS) for Cartridge Cases and Bullets
2. Border Security Solutions
  - a. E-gates for border control named BEOGS™ (Biometrics Integrated Automatic Gate Systems) (Istanbul Atatürk Airport)
  - b. Biometrical work stations for fixed / mobile person identification and verification systems
  - c. Express biometrical search and identification system of the individuals (fake identity / fake documents)
3. Civil Solutions
  - a. Biometric access control systems
  - b. Integrated systems for electronic documents (Passports, ID Cards, Smart Cards, etc.)

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**Kutsal Anıl** General Manager  
**Piraye Ölçer** Assistant General Manager  
**Alper Şener** Assistant General Manager

## Profile

We are providing OEM and ODM products (card, product and system) to medium and large-scale local and foreign companies leaders of their sector and in need of electronic solutions; offering services for the redesign and pricing of the current products; adding value to all companies we are working with and playing an active role in rapid growth of the Turkish Economy. Pavotek is one of the few Turkish companies which focus on "Research-Development" concept in our country and the neighboring region striving to transit from industrial society to information society, which allocate nearly the whole amount of its annual income to the R&D and which work with practically all sectors.

Its own operating system as well as the library and the software units developed specifically by Pavotek, with its core competencies including "Embedded – Analogue – Communication – Control System design and Industrial – Mechanical Systems Design", makes sure that it is one step ahead when designing products in each new project.

Aware of the fact that technology closely affects the economy as well as social structure and prosperity level of the people Pavotek targets having a say in the "technological competition" and designs and produces technologies and products pioneering in the world.

To this end, Pavotek ensures that the understanding of high technology should be fully adopted in our country, offers innovative solutions and gains significant achievements with its vision of exporting these solutions.

# PEGASUS

Defence



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**İsmail Turgut** Chairman

**Ayşe Aydoğan** Manager

**Pınar Turgut** Deputy General Manager

**Ahmet Ceylan** Business Development Manager

## Profile

Pegasus Savunma A.Ş. is one of the leading suppliers for the Turkish defense and aerospace industries and has specialized in providing Original Equipment Manufacturer (OEM) spare parts, system installation, system repair & overhaul and manufacturing for various defense and aerospace platforms.

Since its foundation in 2003 and with its extensive experience in the industry, Pegasus Savunma A.Ş., has been doing business with the Turkish organizations providing professional assistance to create opportunities for international business development in Turkey.

Pegasus Savunma A.Ş. is an ISO 9001:2008 certified manufacturer of electric, electronic, electro mechanic systems and assemblies including: SR-18 Radar, Memory Module, Circuit Cards, Encoder

Is the supplier of spare parts/maintenance/repair for below platforms: RAPIER Missile System, 25mm Oerlikon (RHEINMETALL) Armored Vehicle, 35 mm Oerlikon (RHEINMETALL) Anti Aircraft Gun System, AN/TPQ36 Fire Finder Radar, AN/MPQ64 Sentinel Radar, COBRA Radar, RAPCON System, HAWK System

### RADAR & MISSILE SYSTEM

RAPCON, TACAN, GCA-2000, AN/FPS-88, TRS-22, RAT-31D, AN/TPX-54, AN/TPX-56, AN/APG-68 Radar, COBRA Radar, AN/TPQ-36 Fire Finder Radar, AN/MPQ-64 Sentinel Radar, RAPIER MISSILE SYSTEM, OERLIKON (RHEINMETALL), IHAWK, HARPY Anti Radar AIRCRAFT

Tactical/Training Aircraft: F-4 Phantom, F-5 Freedom Fighter, F-16 Fighter Falcon, T-37 Tweet, T-38 Talon

Engines: F100, F110, J79, J85, T56, CT7, CFM56, T53, JT15

### Helicopters:

UH-1D, AB-204, AB-205, UH-1H, AH-1 Cobra Series, UH-60/S-70A Blackhawk, AB-212, AB-206, AB412, S-92A, MI-17, MD-600N

Logistic/Transport Aircraft: C-160 Transall, C-130 Hercules, CN-235 CASA, KC-135 Stratotanker

### LAND SYSTEMS

Leopard 2A4, 1A3T1, M60T, M48 Tank, MLRS-270, 35mm Oerlikon (RHEINMETALL) Anti Aircraft Gun, M811 GIAT Turret, 25mm KBA Turret, Komet-E System, Electro Optic Systems, MILAN Anti Tank Missile, Night Vision Systems, Military Communication Systems, 25mm Sea Zenith (Naval Forces), BTR-80/BTR-60 Armoured Combat Vehicle

# PI MAKİNA

Construction Machines and Heavy Duty Machines Manufactures



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**Vural Erbilgin** Chairman of Board of Directors  
**Engin Gündoğdu** Vice Chairman of Board of Directors  
**Hacı Sarı** General Manager  
**Mustafa Kılıç** Marketing & Sales Director  
**Nur Birce Yılmaz** Business Development Leader

## Profile

Pi MAKİNA founded in 1974 as the manufacturing division of its constituent company ERG Construction Trade and Industry Co. Inc. Dedicated to manufacturing equipment that helps build the world's infrastructure. Our management policy is to use advanced technology with continuous improvement approach to ensure customer satisfaction through timely and high quality production.

Pi MAKİNA has been proudly and manufacturing a broad range of products and providing high quality services in construction machinery over 40 years. We have accomplished a remarkable achievement in offering better solutions for customers' business needs. In our 500.000 sqm manufacturing plant, located in Ankara, Pi MAKİNA employs around 1000 personnel. Our facility is a pioneer in the area by offering multiple, modern and innovative solutions under same roof. The prominent units are Project and R&D departments, CNC Machinery Center, Heat Treatment Center, Test Centers, Sand Blasting, Painting Unit, Total Quality Control Unit. After sale service offers 7 days and 24 hours service and spare parts in Turkey as well as various countries around the World. Whenever you use Pi MAKİNA construction equipment, you get efficient, powerful and reliable machines that help you accomplish any task within budget and on time. From concrete plants to concrete pumps, tower cranes to crushing plants, backhoe loaders to excavators..

For past 6 years, Pi Makina joined in Defense Sector with its versatile capabilities. So far, Pi Makina served as Sub-Contractor particularly to ROKETSAN, FNSS & ASELSAN.

Pi Makina is an eager, flexible and talented company and ready for

any challenging project with its full fledged infrastructure.

"Pi MAKİNA has the products that Works for you..."



# PROFEN

C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance And Reconnaissance)



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**Önder Havuzlu** Ceo

**Kamil Yüksel** General Manager

**Yusuf Orbay Soydan** Executive Board Member

**Defne Selin İldem** Marketing Manager

**David Kemmett** Business Development Manager

## Profile

Established in 2012, with our two office locations in İstanbul, Konya and Ankara, PROFEN Defence Technologies provides Intelligence, Surveillance, Reconnaissance (ISR) and tailor-made communication solutions to military and government organizations worldwide. As a solution partner with leading defence companies, PROFEN Defence Technologies installs, integrates and commissions strategic and tactical legal communication interception systems. In addition, it provides annual maintenance contracts for communication interception systems according to the needs of its customers. With its dedicated Program Management team and experienced engineers, PROFEN Defence Technologies provides services in theatres of operation and conflict areas worldwide.

For homeland security, PROFEN Defence Technologies provides flyaway and vehicle mounted satellite terminals and associated network services with the capability in satellite based Supervisory Control and Data Acquisition (SCADA) services for monitoring critical infrastructure, ship-borne and air-borne SOTM terminals, telemetry, tracing systems for radar and remote sensing satellite systems and RF surveillance systems.

In addition to defence projects, PROFEN Defence Technologies Ankara office acts as the government liaison office for all PROFEN Group companies with its strong connections at relevant government institutions. Having Facility Security Clearance, the Ankara office boasts full national and NATO secure premises with all its' staff holding personal security clearances. This allows PROFEN Defence Technologies to take part in National and NATO

"SECRET" government, defence and security projects.

Solutions:

Full Turn-Key Monitoring System, Strategic & Tactical

Modular Electronic Warfare Systems

Cyber security

Border security

New Generation Digital Troposcatter System

RF Surveillance

Surveillance

LTE

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**Ahmet Vefik Otmar** General Manager

**Diñçer Yüksel** Factory Manager

**Kamile Yiğitalp** Quality Manager

**Yeşim Kaya** Production Manager

## Profile

Since 1976, Puntel has been providing products and services to automotive, white goods, electricity, electronics, defense industry, market equipments and other sectors.

Our main products and productions are form springs, torsion springs, tension springs, touch springs, compression springs, metal clips, 2D / 3D steel wires, formed transmission wires and copper wires.

In addition, low carbon wires are formed, assembled with electronic spot welding processes and assembly processes with spring, clips and other components in the direction of customer demands.

Our productions are made with materials and tools that meet international standards, and our processes are kept under control in accordance with quality standards.

Our company has ISO 9001-2008 quality certificate and provides products and services in ISO / TS 16949 quality standards. In line with the latest technological CNC machine and quality control equipments, it achieves 0 ppm target.

In order to meet our customers' demands, we regard our policy as to be in compliance with quality standards, flexible production, timely delivery, and best price performance at the top level.

## RAFF MILITARY TEXTILE

Military Equipment, Police Supplies and Clothing - Accessories for Soldiers, Police and Various Institutions



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**Eray Yükseloğlu** General Manager

## Profile

Founded about half a century ago, Raff Military Textile is specialized in the production and commercialization of Military Clothing and has become one of the leading producers in Military Textile sector in Turkey.

In recent years, it has begun proposing to its customers from the three continents the success achieved in the design and production of Military/Police uniforms, gears and equipments.

Regarding Military Clothing in the domestic market, it manufactures and delivers to state institutions, technical specialized uniforms for the need of private companies and promotion products for organisations.

It has realized exports of Military/Police uniforms, accessories and equipments to public and private institutions from all around the world, specially to African countries, Middle Eastern countries, Balkan countries, Turki Republics in middle Asia and many others.

Working with completely with the legal domestic legislation and offering our products and services according to customer needs and expectations, we thrive for a continuous improvement of our quality and management system.

With :

ISO 9001:2008 Quality Management System registered as Asker Malzemeleri Raff we qualified to receive

ISO 10002:2004 Client Satisfaction System Certificate.

Closely following the World Military Clothing market, our company is proud to produce and deliver as a "Solution partner" and not just a supplier the highest available product and service to its

customers all around the world.

With a strong array of customers in Turkey and Foreign countries Raff Military Textile is one of the biggest manufacturing and exporting companies in army uniforms and security clothing business. From fabric control to sewing, from sewing to packaging and every required process, Raff Military Textile which can offers all models of military, police uniforms and security clothing at the same quality and efficiency, is going forward with sure steps.

By designing next to quality production , it focuses on developing models requested by customers as a key element of customer satisfaction.

Our vision,

Be a reputable global company known all around the world in the sector in the field of Military Uniforms in terms of success, reliability, entrepreneurship, and prestige.

Our Mission

With the achievements it has reached from exporting military uniforms to the countries of the world, to become a pioneering company that aims to increase its targets every passing day and provide service to all countries of the world by providing positive contribution to the country's economy and keeping customer satisfaction at the forefront, without compromising the quality of Military Cloting Production.

# RAYON

Military and Functional Textiles



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**A. Mithat Övet** Chairman

**A. Vedat Övet** Deputy General Manager

## Profile

Established in 1989, Rayon Tekstil is involved in production of woven and knitted fabrics for military wear and technical textiles. Monthly production capacity is around 3 million meters for woven fabrics plus 300 tons for knitted fabrics; offering special dyes, prints, coatings, laminations and featured treatments.

Rayon Tekstil offers wide range of products that are highly breathable, durable, high tenacity, multi-layer, fire retardant, anti-bacterial, uv resistant, anti-static, sweat absorbent, anti-mosquito etc. These fabrics are mainly used in the production of training and combat uniforms, rain coats, ponchos, trousers, shirts, attack and ballistic vests, composites, extreme cold and wet weather clothes, fire retardant cloths, duty bags, backpacks, sleeping bags, tents, equipment covers and various technical gears.

Following a quality and success oriented management approach; Rayon Tekstil holds necessary certificates such as ISO 9001, ISO 14001 and Oekotex. Besides, the Company is the approved producer of globally well-known military suppliers and advanced armies.

Head Office is located in Merter, Istanbul where marketing, sales, accounting and trading departments take place. All production related activities are being held at Corlu plant in Tekirdag.

# REPKON

Metal Forming Machines & Complete Production Lines & Equipments

**REPKON**

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**Ayet Azer Aran** Chairman

**Ahmet Neşet Özsoy** Technology Director

**İbrahim Külekçi** Ceo

**Acar Can Kocabağ** Sales Engineer

**Uğur Cem Gürpınar** Business Development Manager

## Profile

Built upon over four decades of metal forming experience, REPKON is proud to offer high precision manufacturing alternatives through advanced in-house capabilities in strategic technologies such as flowforming, rotary cold forging-swaging, shear forming, hot-spinning and forging. From special press-forming to flowforming, not to mention the various combinations of all indigenous technologies at REPKON, the strong and capable technical team has consistently challenged conventional methods and was able to produce ingenious superior results for its customers. An emphasis on research and development, proprietary design and manufacturing know-how, and comprehensive technical expertise in various chipless metal forming techniques, as well as a continuous quest for innovative and cost-effective production processes and a passion for developing unique combinations of different metal forming solutions mold the foundation of REPKON's success. Core competencies of REPKON include:

Flowforming machines for the production of medium and long range missile bodies, the ammunition bodies, motor and cartridge cases, as well as the production for the aerospace and aviation industries.

Rotary Cold Forging-Swaging Machine produces tubes with profiled inner section, produced in single pass operation for 5,56, 7,62, 9, and 12,7 mm caliber rifle, automatic machine gun and hand gun barrels.

Shear Forming machines for the production of the precise copper cones used in the anti-tank rocket heads and similar parts.

Hot Spinning machines for the production of warheads, as well as

the production of high-pressure cylinders.

Ex-proof hydraulic presses for filling of explosive substances with following features; fully automatic with dosing, suitable for operation behind the shielded area.

Hot forging presses and ironing presses for the production of warheads with hot process.

Standard hydraulic presses for various deep drawing, forming, calibration, cutting and punching operations.

Heating table presses for pressing and curing of composite or equivalent materials.

Complete turnkey production lines for the production of warheads using hot and cold methods.

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**Rahmi Mustafa Koç** Chairman

**Adnan Nefesoğlu** Ceo

**Gürkan Türkerş** Business Development and Projects Director

## Profile

RMK MARINE is one of the largest among leading shipyards in the Turkish shipbuilding industry. This is the result of the projects realised at international, including but not limited to NATO standards, its design and project management team, its corporate identity and continuously improving infrastructure capabilities. Following its integration into the Koç Group in 1997, the only Turkish company to be listed in Fortune 500 Global List, RMK MARINE has enlarged its business both in domestic and international arenas with turn-key business solutions for its megayachts, naval and commercial vessel clients.

RMK MARINE has been certified with ISO 9001:2008, OHSAS 18001:2007, ISO 14001:2015, ISO/IEC 27001:2013.

RMK MARINE is a competent shipyard for the naval shipbuilding projects by bearing NATO & National Secret Level Facility Clearance and Ministry of Defense for Naval Production Certificate.

It deserves mentioning that RMK MARINE built and delivered 2 fleet replenishment tankers for the Turkish Navy in 2000 which both are still providing their services efficiently in the inventory of The Turkish Navy Fleet. The essential milestone in the history of RMK MARINE is the Coast Guard Search and Rescue (CG SAR) Vessel Project which included the building and delivery of 4 CG SAR Ships as the biggest naval combatant platforms realized by a private shipyard in Turkey so far. RMK MARINE, with its competent engineering capabilities, design, production, integration, ILS and quality skill sets gained through these projects, is ready to convey its assets and capabilities to other naval shipbuilding projects, such as corvettes, fast attack crafts, offshore patrol vessels both

within the country and abroad, flexible to address and fulfill the operational requirements of its Clients properly and it is committed to serve Defence Industry's Naval Platform Projects at utmost level.

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## Profile

Roketsan Missile Industries was founded 30 years ago, with the vision to become the leading establishment of rocket and missile systems from the depth of the seas to the heights of the sky. Roketsan provides reliable system solutions in its two facilities built on a total of 5.7 million m<sup>2</sup> area in Ankara with over 2700 staff.

Roketsan develops and manufactures various types of rockets, missiles, guided munitions along with their launching and propulsion systems, seekers, guidance-control systems, fuzes, warheads, mechanical parts, algorithm and software, integrates them to land, air and naval platforms, gives logistical support for these systems, produces rocket fuel, designs and manufactures ballistic protection and ensures the development of space launch vehicles.

## RST

RF & EO Based Sensor Technologies, Ew Systems, Radar Systems,  
Satellite Systems



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**Kenan Özkapıcı** Ceo

**Zafer Rençber** Board Member

**Serdar Ümit Tezeren** Deputy General Manager - Programs

**Ergenekon Hassoy** Deputy General Manager- Business Development

**Uğur Oğuz** Deputy General Manager - Engineering

## Profile

RST (Remote Sensing Technologies) is a solution-based company that operates in electronics, defense, space, and aeronautics industries in the civil and military areas. A team with an extensive experience in engineering and project management and with a strong business background has come together to form RST, selecting Turkey and the countries within the neighbor geographical areas as their main target market.

The main goal of RST is employing modern engineering techniques to generate rapid and robust solutions for various demands of her customers. For this purpose, RST designs, develops and produces value-added, genuine and reliable software, hardware and systems solutions using advanced technologies, in conformance with national and international standards. In accordance, RST carries out various projects in the areas of Radio-Frequency (RF), and Electro-Optical (EO) based sensor and simulator technologies; such as Radar Systems, Satellite Systems and Electronic Warfare (EW) Systems and Simulators. RST focuses on achieving the critical technology and the know-how, as well as the design, development and production of pivotal building blocks, subsystems, units and components of the systems being developed in her projects. Such forthcoming pivotal building blocks include microwave and millimeter-wave technologies for the front-end and transmitter/receiver units, as well as the signal processing units of sensor systems.

Our Fields of Operation

Radio-Frequency (RF) and Electro-Optical (EO) Based Sensor Technologies

Radar Systems

Satellite Systems

Electronic Warfare Systems and Simulators

Consultancy and Technical Support Services

Our Main Products

Ka Band Transportable Polarimetric Meteorology Radar

X Band Transportable Polarimetric Meteorology Radar

UAV Detection Radar

Antidrone System

Human Detection Radar

IR Seeker Instrumentation

Anti-jamming GPS Antenna System

Ka Band Patch Antenna

Ku Band Electronically Scan Antenna

Ku Band Satellite Communication System

Multiple Input/Output DSP Card

Frequency Synthesizer

X Band High Dynamic Wide Bandwidth Up/Down Converters



# SAHA İSTANBUL

Defence & Aerospace Cluster Association



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**Haluk Bayraktar** Chairman Of The Executive Board  
**İlhami Keleş** Secretary General

## Profile

SAHA İSTANBUL

DEFENCE AND AEROSPACE CLUSTER ASSOCIATION

In order to increase the competitiveness of our industry in the defence, aviation and space sectors by raising their productivity, there is a strong need for national and regional initiatives and supporting structures which are subject-oriented, have qualified workforce, have the ability to produce high technology products with collaboration and which can sell them in international arena.

In order that İstanbul Industry, which produces half of Turkey's national income, produces high-tech products of added value, in March 2015, SAHA İstanbul Defence and Aerospace Cluster Association was established with the initiatives of 27 founding members, aiming to combine the power and catching a common synergy of 65.000 industrialists company operating in the corridor of Northern Marmara starting from Edirne, extending to Tekirdag, İstanbul, İzmit, Yalova, Adapazarı and Düzce. The cluster chose Teknopark İstanbul in Pendik as the center. Has opened a liaison office in the DESB Deliklikaya industrial area to coordinate activities on the European side and the Thrace region.

In every branch of the defense industry, we are creating clusters by informing and guiding our companies in the aviation and space industry, thereby acting with the ideal of increasing our national production ability and capacity.

Today SAHA İstanbul is the largest Cluster in Turkey with 342 member companies including 11 universities.

# SAMSUN YURT SAVUNMA

Weapon Systems, Aircraft, Rocket and Missile Systems



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**H. Zafer Aral** Chairman Of The Board

**C. Utku Aral** General Manager

**N. Didem Aral Savucu** Foreign Trade Manager

## Profile

Samsun Yurt Savunma Sanayi ve Ticaret A.S. (SYS) was established in 2000 as the Samsun branch of East Black Sea Weapon Project with its semi-automatic handgun projection. SYS located in Samsun and doing all its activities in a 30.000 m2 facility with its 520 employees. Today with a wide range of production lines in different calibers under Canik Brand, there are more than 1.000.000 firearms in service and Canik TP Series Pistols are National Service Pistol of Turkey. According to the sales numbers of 2018, 80% of the annual production is for export and SYS realizes 75% of all handgun exports of Turkey. According to the US importation reports in 2018, SYS under Canik brand is the 8th biggest pistol exporter company to USA in the World. TP Series pistols with its 60.000rd test performance, are considered as superior in performance compared to all other productions in the World. Canik branded pistols are in service of 12 countries other than Turkey including Ukraine, Poland, Philippines, Cameron, Burkina Faso, South Africa, Bangladesh...etc.

Besides superior handgun production, SYS is also a Tier-1 supplier for rocket-missile systems and aviation thanks to its capability in engineering, R&D and quality system and certificates, ISO, Facility Security and AQAP 2120 NATO Quality Certificates. SYS is one of the largest supplier of Roketsan and exist in most of the National Programs of Turkey.

Every year succeeding the goals and projection, SYS has been selected as one of Turkey's Fastest Growing Top 100 Companies

for the past four consecutive years (2013 – 2016). Awarded as Third Best Defense Company by SSB in 2018.

# SAVRONİK

A Predominantly Project Based Company Delivering Tailored Solutions at The System and/or Unit Product Level. Core Competences in The Electro-Mechanical and Software Intensive Systems Design and Delivery Area.



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**Ömer Faruk Ağa Yarman** Chairman  
**Hikmet Arif Topçuoğlu** Chief Executive Officer  
**Harun Aytar** Chief Marketing Officer

## Profile

SAVRONİK (1986) is one of the few privately owned defense companies with a significant presence in the Turkish market continuing to provide innovative designs and solutions to defense organisations. In addition to Defense, since 2000 SAVRONİK has rapidly expanded into the transportation sector with both unit product and integrated solutions for railway and highway systems. SAVRONİK has provided proven, Data Link Systems, Simulator, Integrated Power Management, Avionic, Command and Control Systems, System Integration, Manufacturing, Field Maintenance and Support Services for its military, transportation and governmental customers.

## SDT

Remote Sensing, Satellite Technologies, Mission Systems,  
Simulations & Training



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**Fahir Altan** Vice Chairman  
**Serdar Müldür** Member Of The Board  
**M. Fatih Ünal** General Manager  
**C. Erkan Dora** Deputy General Manager  
**Sibel Seylam** Quality Management Director  
**Murat Başaran** Remote Sensing Systems  
Programs Director  
**Ediz Çelik** Ew & Communication Systems  
Programs Director

**Gürol Yıldırımçoğlu** Electronic Mission Systems  
Programs Director  
**Ercan Şahan** Simulation & Training Systems  
Programs Director  
**Mustafa Hafızoğlu** Outsource Programs  
Director

## Profile

SDT Space & Defence Technologies Inc. (SDT) is a privately owned Turkish company which has been developing indigenous software, hardware and integrated solutions for Defence, Space and Aviation areas since February 2005. SDT's facilities are located at METU Technopolis Area.

SDT possesses special expertise in radar-EW signal processing, image processing/pattern recognition, embedded software/systems, avionic systems, land system electronic units, RF jammer systems, satellite technologies and simulation & training systems.

SDT's main work and product areas:

Remote Sensing  
Synthetic Aperture Radar (SAR) Technologies  
Image Processing & Pattern Recognition  
RF & IR EW Signal Analysis Systems  
Satellite Technologies  
SAR Payload  
Software & Algorithm Development on SAR Image Formation and Processing  
Ground Station Software and Hardware  
Electronics Mission Systems  
Digital Data/Video Recording Systems  
Airborne Rugged Computers  
Data Acquisition Systems for Airborne Applications  
Missile Launcher Control Systems  
Missile Fire Control Units

Video Coding/ Decoding Systems  
Video Multiplexer Units  
Remotely Command Units  
Servo Drivers  
Video Symbol Generator Units  
UAV Flight Control Computers  
Simulation & Training  
3D Visual Modeling  
Tactical Environment Modeling  
Embedded Simulation  
Sensor Simulation  
Shooting Range Simulation  
ACMI (Air Combat Maneuvering Instrumentation) Pod & Ground Station  
RF Jammer Systems

# SELAH SHIPYARD

Shipbuilding Industry Inc.



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**Erkan Selah** Chairman

**Sezai Ekrem Selah** Member Of Executive Board

**Erkan Emirhan Selah** Management Member Of Board

**Baha Eren** Ceo / General Manager

## Profile

Selah Shipyard was established at the private sector shipyard in Tuzla / Istanbul in 1982 by Selah Industries Inc. which was a well known group in auto and machinery sectors since 1954. Selah Shipyard covers 45.000 sqm area and has two slipways, two fully equipped quays for ship repairs and outfitting, (CAD/CAM) systems, gantry cranes with 200 tons lifting capacity, modern machinery and various workshops. Our annual steel processing capacity is 17.000 tons.

Selah can deliver modern tankers, multipurpose dry cargo and container vessels, cement carriers, off shore supply vessels (OSP), fishing vessel, mega yachts, special purpose military and commercial vessels, barges and pontoons up to 30.000 dwt in compliance with specifications of customers and rules of international class societies of highest standards in shortest delivery time and at competitive prices.

Selah is very flexible to deliver vessels in different conditions to meet the requirement of our customers. Beside turn-key projects, we can deliver partially out-fitted vessels, steel hulls (casco) etc. Selah's integrated management system (IMS) comprised of applications of ISO 9001:2008 Quality Management System, ISO 14001:2004 Environmental Management System and OHSAS 18001:2007 Occupational Health and Safety Management System enables us to fulfill the requirements of our customers. Selah's well known reputation bases on quality and reliability of our performance. Selah delivers vessels not only for domestic market but also for export. Selah is the first and most experienced shipyard in the area that has successfully conducted export transactions for

years.

Selah's new shipyard, SELAH GULF is put into service in Gölçük area in TURKEY. Selah Gulf Shipyard's total are is 44.700 sqm, so SELAH doubled the capacity. The slipway's length is 161 meters and the width is 50 meters. Selah Gulf now can manage to build 4 vessels at the same time.

## SELEX ES TURKEY

Center of Excellence for Secure Communications & Airborne Systems



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**Sinan Őenol** General Manager/Chairman of The Board  
**Uröz Ketenci** Business Development & Programs Director  
**Serdar Kuzucu** Operations Director

## Profile

An International Subsidiary of Leonardo, Selex ES Turkey offers a wide range of solutions, equipment, systems, integration and logistic support services in the field of emergency, strategic and tactical communications, naval communications, integrated security, avionics, lighting equipment and control panels for air/land platforms. Thanks to its technologies and experience, Selex ES Turkey is able to bring the best to customers in terms of products, services and quality on its premises located in Gölbaşı/Ankara:

Products and Systems

- Land & Naval Communication Systems, Products & Peripherals
- System Integration
- Message Handling Systems
- Airborne Communication Products & Peripherals
- Integrated Security & Emergency Communication Systems
- Aircraft/Land Platforms Internal/External NVIS Lighting System and NVIS Conversion
- Aircraft and Land Platforms Control Panels

## SERPA

Investment Casting, Vacuum Investment Casting



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**Cevat Yılmaz** Company Manager, Contact

**Sema Yılmaz** General Manager

**Şevki Balıktay** Technical Coordinator

**Kenan Solmaz** Technical Manager

## Profile

Serpa Investment Casting is established in 1992. Serpa Investment Casting operates on 4000 m<sup>2</sup> open and 2400 m<sup>2</sup> closed area. Company produces from 1g to over 25kg investment casting parts with its modern machinery, equipment and highly skilled team. Furthermore, company produces vacuum investment casting products. Serpa Investment Casting works on turbine, aerospace, defence, electronic, medical etc. industries on vacuum investment casting and automotive, textile, valve, machinery etc. industries on investment casting. Serpa has ability to cast steel, stainless steel, copper, aluminum, nickel and cobalt based alloys with its modern machinery park and experienced staff. Serpa has AS9100 Aerospace Quality Management System and produces high quality products.

# SIEMENS

Electric & Electronics Manufacturing

# SIEMENS

*Ingenuity for life*

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**Hakan Özdemir** Vice President & Head Of Strategy

**Ahmet Levent Dinçer** Director of Gas & Power Services

**Oğuz Tezel** Director Energy Management

**Levent Yıldırım** Director Building Technologies

**Halit Kerim Oal** Director Digital Factory & Process Industries-Drives

**Cüneyt Genç** Ceo of Siemens Mobility A.Ş.

**Ebru Çiçekliyurt** Ceo of Siemens Windpower A.Ş.

**Şevket On** Ceo of Siemens Healthineers A.Ş.

## Profile

Siemens is a global powerhouse focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of systems for power generation and transmission as well as medical diagnosis. In infrastructure and industry solutions the company plays a pioneering role. Many of the existing solutions, products and services of Siemens find use in defense industry whereas Siemens also has specialized solutions, products and services for defense industry as well.



# SIMSOFT

Simulator Systems, Gaming and Simulation, Visual Systems,  
Defence and Aerospace



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**Veysi İşler** Chairman

**Gökçe Yıldırım Kalkan** Ceo / General Manager

**İsmail Bıkmaz** Deputy General Manager

**Kadir Temiz** Deputy General Manager

## Profile

Simsoft was established in 2006 to do research and development on simulation systems, military software, and serious game applications. It has developed and installed hundreds of simulators being used by both national and international civil and military organizations. Simsoft has already delivered many software products of various scope and area to very well known international organizations.

Simsoft has shown remarkable progress since 2006 and received an award for being one of the top 50 technology companies in Turkey and 500 in European, Middle Eastern, and African countries by a Deloitte research in 2015. Simsoft won awards such as "Turkey's Fastest Growing 50 Technology Companies" by Deloitte, "Software Design" award by ASELSAN, "Best Serious Game" award by Kristal Piksel, and "Best Mobile Game" award by IITSEC (World's largest modeling, simulation and training conference) in 2017. Simsoft ranked among "Turkey's Top 500 Technology Companies" by Bilisim 500 and has continued to demonstrate its growing success in both national and international stages in 2018.

Simsoft, which currently has a CMMI Level 3 certificate for its high-standard project management processes, operates under four main groups: Simulators, Defense & Aerospace Systems, Visual Systems, and Gaming & Simulation. Each group strives to develop advanced technology services and products in its expertise area.

Simsoft's head office is at METU Technopolis in Ankara/Turkey, and it has also offices and subsidiaries in Bilkent Cyberpark/Turkey, Teknopark Istanbul/Turkey, Florida/USA, Ashgabat/Turkmenistan, and Kuala Lumpur/Malaysia.

## SMF SERT METAL



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**Tekin Hacıyüpoğlu** General Manager  
**Ümit Akkuyu** International Sales Manager  
**Muharrem Battal** Production Planning  
**Onur Erdin** Production Manager  
**Burhan Mutlu** Quality Manager

## Profile

The main production of SMF Sert Metal Kalip which is located in Selimpaşa - Silivri / İstanbul is the production of cold forging, forming and plastering dies of hard metal and steel materials. Beside their production SMF Sert Metal Kalip produces for the Turkish Defense Industry and Military Industry bullet cores and bullet sleeve dies with high technology machinery, equipment and expert staff in their modern facility. The whole dies production is realized in-house. SMF Sert Metal Kalip exports currently 75% of the production to European, American and Asian countries and is the biggest and leading companies in Turkey's own.

## SPARK

Repair, Maintenance and Calibration



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**Aslıhan Yarkut** Ceo / General Manager / Partner

**Çağın İrmak** Partner

**B. Gülsün Ergin** Director

## Profile

Spark Calibration Laboratory was founded on 23rd November 2011, with the participation of Defense Industry Undersecretary Murad Bayar.

Our laboratory offers service according to ISO 17025 standards and is the sole Authorized Service Provider of Keysight Technologies in Turkey.

Spark Calibration Laboratory, providing calibration and repairment services for Keysight branded RF and microwave equipments up to 50 GHz, updates according to new models at the same time with other Keysight Service Centers around the world.

There are some benefits for Spark Calibration Laboratory services, redundant info, for calibration of your RF and microwave equipments up to 50 GHz. Thereby, you can have the privilege of getting calibration service for your equipment with the methods of manufacturer that desinged and produced them.

Spark Calibration Laboratory Research and Development Division is working on calibration SW developments Technical University consultancy support.

and laboratory automation projects by getting Middle East Tecnical University consultancy support.

# STM

Consultancy and Certification Services, Project Development, Naval Shipbuilding, Acquisition and Logistics



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**İhsan Kaya** Chairman of Executive Board  
**B. Sıddık B. Yarman** Deputy Chairman of Executive Board  
**Hüseyin Avcı** Member of Executive Board  
**Reha Denemeç** Member of Executive Board  
**Harun Çelik** Member of Executive Board  
**Murat İkinci** General Manager

## Profile

STM was established in 1991 with the purpose of providing system engineering, technical support, project management, and technology transfer and logistic support services; developing software technologies for civilian and military systems; and building and operating computer centres for software development and maintenance. STM has played a leading role in contributing to today's level of national competence in the Turkish Defence Industry by employing highly qualified expert personnel as needed for identifying and procuring high-tech defence systems and ensuring the transfer of relevant technologies.

Through the passing years, our technological knowledge and institutional engineering experience, have become extensive; and as of today have expanded to cover many projects and areas of expertise.

The engineering experience STM has gained has paved the way for the company's participation in various defence industry projects focusing on software and platforms, hence initiating the process of building a variety of business areas in addition to STM's consulting services.

STM's Main Areas of Business

Engineering

Engineering Services in Surface Warfare Ships and Submarines

Technology

Command and Control Information Systems

Mission Planning and Support Systems

Cyber Security and Big Data

Autonomous Systems

Radar Technologies and Electronic Warfare

Simulation Technologies

Satellite Technologies

Civil Sector IT Projects

Consultancy Services

Project Technical Consultancy and System Engineering Services

Airworthiness Certification Services

Procurement and Logistics Services

STM Academy

Strategic Think Tank

## STOEGER

Small Arms Manufacturer



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**Ertuğrul Yanıt** General Manager

**Özgür Çekic** Sales & Marketing Manager

**Firat Pazvant** Finance Manager

## Profile

Stoeger Silah Sanayi A.S , a subsidiary of Beretta Defence technologies, is one of the leading small arms manufacturers in Turkey serving the needs of Military & Law enforcement agencies in different parts of world as well as civilian self defence requirements.

## ŞENER OTOMOTİV



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**Önder Şener** General Manager

**Aykut Şener** General Manager Assistant

## Profile

**TDU**

Technical Textile

**+TDU****SAVUNMA SİSTEMLERİ A.Ş.**

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**Mustafa Sabri Ünlütürk** Chairman of The Board

**Recep Öztürk** Board Member

**Ümit Öztürk** General Manager

## Profile

TDU Defence Systems Technical Textile Inc. is the subsidiary company of SUN Textile. Parent company SUN, established in 1987 in Torbalı near İzmir, is amongst the top largest 500 industrial companies in Turkey, having 1750 persons labour force with 200 Million USD annual turnover, also was selected as the most innovative company in Turkey in 2015.

TDU Defence Systems Technical Textile Inc. is the expert on radar and thermal signature management. It produces anti-thermal and anti-radar materials in different forms and shapes. It was established under the group, based on ten-years research endeavours of military textile at R&D Center, to manufacture Multispectral Camouflage Net (2D, Double Side Printed, Visual Protection (VIS), Near Infrared Protection (NIR), Anti-thermal, Anti-Radar, Mobile Camouflage System, Sun Shield System for ACV, Mobile Comand Post, Anti-Radar PVC, Sniper Suit (Anti Thermal and NIR Protective Personal Suit).

# TEI

Tusas Engine Industries Inc.



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**Mahmut Faruk Akşit** President & Ceo

**Yeliz Çetinkaya** Human Resources Director

**Turgut Çiçek** Quality and Manufacturing Engineering Director

**Murat Karamahmutoğlu** Manufacturing Director

**Murat İlker Çelik** Ait & Mro Director

**Ahmet Kain** Programs Director

**Ahmet Fındık** Design Engineering Director

**Mehmet Demiroğlu** Turboshaft Project Director

## Profile

TEI is a joint-venture company established in 1985 with the partnership agreement signed between Turkish Aerospace (50,5%), General Electric (46,2%) and Turkish Armed Forces Foundation and Turkish Aeronautical Association (3,3%)

TEI's mission is to be a globally competitive, original power systems OEM.

TEI's vision is to be a leading engine manufacturer through design, production and service of globally competitive, sustainable and indigenous aviation power systems and their derivatives.

TEI's main activity areas are Parts and Module Manufacturing, Engine Assembly & Test, Maintenance, Repair & Overhaul and Engine Design & Product Development. TEI aims to provide products, service and support to all customers around the world as a globally recognized, competitive, high quality manufacturing, service and engineering center and to utilize Turkey's assets and resources at an optimum level.

TEI is the sole source for most of the parts it manufactures and is known as "Center of Excellence" for rotating parts. Also TEI has become globally the biggest engine parts supplier for the most preferred new generation commercial aircraft engines such as LEAP and GEnx.

As in other sectors, for the aerospace industry design engineering is a must for sustainable technological and economic growth. TEI has made significant progress in Engine Design and Product Development over the years through international and domestic projects.

The main programs/projects that TEI is working on are A400M Aircraft-TP400 Engine Program, Turkish Utility Helicopter Engine Program, Cougar Makila 1A1 Engine Logistics Program, Turboshaft Engine Development Project, Turbojet and Turbodiesel Engine Projects to power UAVs.



# TEZMAKSAN

Machine Tool Business & Services & Turn Key Projects



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**Hacı Mustafa Aydođdu** Chairman  
**Hakan Aydođdu** Ceo / General Manager  
**Erdiñ Koç** Director

## Profile

CNC lathes, Vertical/Horizontal Machinin Centers, 5 Axes Machines, Bridge Type CNC Machines, After Sales Services, Periodical Maintenance Services, Turn & Key Projects, Manufacturing Execution Systems (MES)

# TİBET

Bearing, Slewing Ring Manufacturing



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**Temuçin Arbak** Chairman

**Tibet Arbak** Ceo / General Manager

**Şölen Arbak Egemen** Deputy General Manager

**Cengiz Şimşek** Quality And Management Systems Manager

**Erdem Eygi** Director

## Profile

TİBET MAKİNA was established in 1970, in İzmir Turkey. In 1980s, excavator production has begun in Turkey, TİBET MAKİNA has started to produce slewing ring according to demands. In 1990, the company focused its entire production in this way. In 2003 TİBET MAKİNA has started, manufacturing for defence industry. Now TİBET MAKİNA is the biggest slewing ring, bearing manufacturer in Turkey including its 4500 m2 in door area, totally 15600 m2 facility. It is able to manufacture between diameters Ø300mm-Ø4500mm. Imported seamless rolled rings (forged rings) are primarily used in our production. TİBET MAKİNA imports the raw materials from many different suppliers in Europe and has a wide supplier network in this regard. Bending material may also be used for small diameter products, bending and normalization operations are performed in our own facilities. Besides it makes refurbishment and maintenance of slewing rings, bearings.

### MEASUREMENT CAPABILITY;

Dimensional Measuring With 3D DEA Slant Performance

Ultrasonic Breaking Measurement (Level 2)

Penetration Measurement (Level 2)

Magnetic Particle Breaking Measurement

Liquid Penetration Measurement

Hardness Measuring

Coating Thickness Measuring

Surface Hardness Measuring

Destructive Hardness Deepness Testing

Non-Destructive Ultrasonic Hardness Deepness Testing

3D Measurements

Vibration Measuring

TESTING CAPABILITIES

Friction Torque Testing

High Temperature Testing(+55 °C)

Low Temperature Testing(-32 °C)

Humidity Testing

Raindrop Testing

Air Tightness Testing

Water Tightness Testing

Pulverization Testing

Tilting Test

Axial Load Testing

Radial Load Testing

Axial & Radial Load Testing

Radial Stiffness Test

Clearance Testing

Elastical Deformation Testing

# TİMSAN

Ground Support Equipment Manufacturer



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**Haldun Aksoy** General Manager

**Suat Aytoz** Deputy General Manager

**Ayhan Sözbir** Finance and Accounting Manager

**Kemal Gündüz** Marketing Manager

**Bergüzar Ulusoy** Sales Executive, Civil Aviation

**Banu Kesova** Sales Executive, Military Aviation

## Profile

Timsan was established in İstanbul in 1982 to carry out production of ground support equipment for civil and military aviation.

Timsan proudly underlines that the progression, which was started with being supplier of domestic market, is being improved in these days by exportations to 52 countries via 41 representatives in Europe, Asia, Africa and USA

Timsan carries out design, production, quality control, sales and after sales service of more than 60 types of ground support equipments including; pallet and container dollies, cargo trailers, nitrogen and oxygen carts, conveyors, passenger stairs, ambulance trucks, catering trucks, water and lavatory trucks, maintenance platforms, towbars, tow tractors, K-Loaders (Military Aircraft Loader), transporters, helicopter carrier, engine stands, mobile air traffic control towers and de-anti icing trucks.

Timsan has two manufacturing plants; main factory located in İstanbul, while the tow tractors and helicopter carriers are produced in İzmir plant.

In order to cover the full GSE range, Timsan also represents leading world brands, whose products are not located in Timsan portfolio, such as; Hobart USA (GPU), Houchin UK (GPU), Fortbrand USA (Snow Removal Equipment), Premier USA (de-icing and anti-icing vehicles), Douglas UK (towbarless tractors, surface friction meters), Proflo USA (Aircraft Refueler), Unitron USA (GPU), Laweco Germany (Loaders), Mototok Germany (Electric driven remote controlled towbarless tractors), Page Industries USA (GSE spare parts)

Company's policy is to make products compliant to the

contemporary production and quality requirements, along with the customer specifications. Timsan has TSEK trade mark from Turkish Standards Institute, as well as ISO 9001:2008 and OHSAS 18001 certified.

Timsan is a member of IAEMA (The International Airport Equipment Manufacturers Association) and carries out all R&D activities, design and manufacturing procedures according to IATA Airport Handling Manual and related regulations.

# TİSAŞ

Tisas Trabzon Gun Industry Corp



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**Ahmet Alemdarođlu** General Manager / Chairman

**Abdullah Erdem** Vice General Manager

**Mustafa Erdem** Vice General Manager

## Profile

TİSAŞ Trabzon Silah Sanayi was established, in the year 1993. Tisaş complex is established in the Trabzon/Arsin Organized Industry Zone on a 11,000 m2 open air area. Tisaş having a yearly production capacity of 45000 units, is producing 50 different models in the 22 cal, 25 cal, 380 acp, 45 cal, 7,65 mm and 9x19mm categories. All TİSAŞ guns are produced by the engineers and technicians of Tisaş with ISO 9001 quality certificate and latest technology CNC benches. Tisaş is exporting its products to nearly 30 different countries. With its regional directorates in Ankara and İstanbul it has the opportunity to provide more qualified products and services to its customers both domestic and abroad.

# TRANSVARO

Ermal and Night Vision Systems , Multiple Vision Systems , Daytime Vision Systems , Periscope Systems , 360-Degree Situation Awareness Systems , Electromagnetic Weapon Systems , Laser Systems

TRANSVARO



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**Sedat Uyar** Chairman of The Board  
**Kayhan Tulpar** Executive Vice President

## Profile

Transvaro Electron Tools Industry and Trade; has been established in 1988 jointly with American Varo Inc. It is one of the first private sector defense industry investment and has become locally funded enterprise in 1995. We mainly design and manufacture Thermal, Night Vision, Border Security and IR/ Laser equipment and have also experience with installation and repair of image intensifier tubes. We mainly serve Turkish Military Forces, Turkish Gendarmerie, State Police, Coastal Guard as well as for export market.

Transvaro has 9500 m2 production facility located in İstanbul in which it manufactures Thermal Vision Systems , Night Vision Systems , Multiple Vision Systems , Daytime Vision Systems , Periscope Systems , 360-degree Situation Awareness Systems , Electromagnetic Weapon Systems , Laser Systems and provides also service for repairing and assembling image intensifier (18mm and 25mm).

Besides its existing capabilities, Transvaro has been trying to enhance its contribution to the industry by investing in R&D facilities and recruiting top quality and highly experienced engineers. Moreover with the laboratory in the facilities, Transvaro is able to simulate all environmental conditions to test its products.

Transvaro has all the necessary Quality management systems and permissions to operate in Defence Sector. ISO 9001:2008 ve AQAP-2120 quality assurance systems, ISO 14001, OHSAS18001 and Ministry of Defence 'Top Secure Facility Certificate' are the most important certificates that Transvaro has.

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**Zeynep Öktem** Chairman of The Board  
**Fatih Ünal** Vice Chairman of The Board  
**Gökçe Yıldırım Kalkan** Vice Chairman of The Board  
**Atilla Biler** Member of The Board  
**Ali İhsan Aslan** Member of The Board  
**Burak Akbaş** Member of The Board  
**Gökhan Koyuncu** Member of The Board  
**D. Konuralp Piriñçi** Secretary General

## Profile

Middle East Technical University ( METU ) technology park, ODTÜ Teknokent hosts more than 140 defense industry companies doing R&D and has clustered them into Teknokent Defence Industry Cluster (TSSK) as of 2010 out of 372 firms. These companies have complementary vertical expertise that provides added value to each other's capability and are developing new technology products and services for defense and security.

The cluster aims at providing added value for generating more synergy and cooperation among its members, with universities for applied goals are to fulfill the requirements of Turkish Armed Forces and to position Turkish defense industry as a significant player in the World market through high technology solutions, products, and services that are presented to international market.

TSSK is comprised of SMEs operating in the fields of manned and unmanned vehicles; advanced materials, CBRN Technologies, protective vehicle and material Technologies; human – machine interface; cryptography, coding and encryption, electronic intelligence systems; modelling and simulation, simulation systems; communication, electronic and information systems; sensors and electronic systems, DataLink Technologies as well as the various related engineering services such as testing, calibration, modeling and maintenance.

The driving force of the cluster is the R&D projects stimulated by the synergy between university, industry, and research. The cluster members employ around 2140+ R&D personnel and currently, there are approximately 365+ active R&D projects being conducted for defense industry by the members of TSSK. The export amount

of TSSK exceeds 100 million dollars at the end of 2016.

## TTAF DEFENCE

Electrical Wire Harness Manufacturing, Electromechanical Assembly, Mechanical Assembly, Design



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**Engin Gür** Chairman of The Board  
**Ufuk Can** Deputy Chairman of The Board  
**B. Ergün İşgör** General Manager

## Profile

TTAF Defence leads manufacturing in aviation, defence and aerospace industry, with its strong technical equipment and facility substructure, well-trained, experienced and self-improving human resources and with the support of national and international experienced management.

TTAF Defence is one of the critical suppliers of harness manufacturing, mechanical / electromechanical assembly with also design and development capability. We provide manufacturing services for land, air and naval platforms, armament and also telecommunication systems with military and national IPC standards. TTAF Defence which is a member of SASAD also holder of AS 9100.D, ISO 9001:2008, ISO 27001 Information Security Management System, ISO 14001:2015 Environmental Management System, OHSAS 18001:2007 Health and Safety Management System, Certificates and NATIONAL-NATO\_Facility Security Clearance Certificate (FSCC).

# TÜBİTAK

The Scientific and Technological Research Council Of Turkey



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**Hasan Mandal** President

## Profile

TÜBİTAK, founded in 1963, is an innovative, leading, participatory and sharing institution that serves to increase the quality of life of our society in the fields of science and technology and that contributes to the sustainable development of our society. TÜBİTAK, which carries out all its activities with determination under the guidance of science and technology, progressively supports the development and production of especially technology-based products.

TÜBİTAK, with its accumulation exceeding half a century, continues; To contribute to our country's science, technology and innovation system policies,

To support research, development, innovation and entrepreneurship activities of whom has an active role in science and technology,

To provide scholarships and grants for scientists to develop themselves,

To ensure that research and development awareness in society is increased,

To publish books and magazines with a focus on science and technology in order to increase this awareness in every part of society,

To support the activities oriented at young students in particular in order for them to gain a science and technology-based competence,

To establish science centers in an attempt to promote science, technology and innovation culture,

To contribute to the development of our country through the

channels of international programs and collaborations,

To carry out projects that will reduce our external dependence through its research centers and institutes.



# TÜBİTAK BİLGEM

R&D Engineering



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**Yusuf Çalık** Technology Transfer and Commercialization

**Ali Görçin** Testing and Evaluation

**Mustafa Kemal İşler** Corporate Resources Management

**Erdal Bayram** National Research Institute of Electronics And Cryptology (Uekae)

**Yakup Serdar Birecik** Information Technologies Institute (Bte)

**Demet Sevil Armağan Şahinkaya** Advanced Technologies Research Institute (İltaren)

**Mustafa Dayıoğlu** Cyber Security Institute (Sge)

**Cemil Sağıroğlu** Software Technologies Research Institute (Yte)

## Profile

TÜBİTAK Informatics and Information Security Research Center (BİLGEM) is a R&D center of Turkey which provides the country with innovative and original solutions on informatics, information and advanced electronics. With its experience exceeding 40 years and human resources surpassing 1700, BİLGEM conducts scientific and technological researches in compliance with international standards.

The institutes within TÜBİTAK BİLGEM have so far attained a remarkable number of successful projects in the fields of information technologies, information security, electronic intelligence, electronic warfare, cyber security, software technologies and cryptology. These institutes are namely the National Research Institute of Electronics and Cryptology (UEKAE), Information Technologies Institute (BTE), Advanced Technologies Research Institute (İLTAREN), Cyber Security Institute (SGE) and Software Technologies Research Institute (YTE).

# TÜBİTAK MAM

The Scientific and Technological Research Council Of Turkey  
Marmara Research Center



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**Murat Makaracı** Vice President / Strategy and Technology Development

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**Şaban Tekin** Director / Genetic Engineering and Biotechnology Institute

**Cesaretin Alaşalvar** Director / Food Institute

**Ülker Beker** Director / Institute of Chemical Technology

**Metin Usta** Director / Materials Institute

**Abdullah Karaman** Director / Earth and Marine Sciences Institute

## Profile

Since its establishment in 1972, TÜBİTAK MARMARA RESEARCH CENTER (MAM) performs its operations in "TÜBİTAK Gebze Campus" in the City of Kocaeli. The Center aims at becoming a world leader in science and technology production with its research, development and innovation capabilities widely shared by its Environment and Cleaner Production Institute, Energy Institute, Genetic Engineering and Biotechnology Institute, Food Institute, Chemical Technology Institute, Materials Institute and Earth and Marine Sciences Institute.

TÜBİTAK MAM is one of the leading organizations of the advanced technology world thanks to its ability and capacity of research, research infrastructure and world class administrative and operational process management. With its customer oriented approach, it offers original solutions to public, private and military agencies and institutions. These solutions are materialized through basic researches, applied research and development, technology transfer, innovation, system and facility construction, national standard and norm setting, professional consulting and training activities.

# TÜBİTAK SAGE

Defence Industries Research and Development Institute



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**Hasan Mandal** President Of Tübitak

**Gürçan Okumuş** Tübitak Sage Director

**Yusuf Ziya Karabay** Institute Vice Director - Programs Department

**Yalçın Ata** Institute Vice Director - Technology Development And Design Department

**Necat Özkan** Institute Vice Director - Administrative

## Profile

TÜBİTAK Defense Industries Research and Development Institute – TÜBİTAK SAGE, was established in 1972 in Ankara in order to meet the military needs of Turkish Armed Forces.

The mission of TÜBİTAK SAGE is to provide competitive and high valued technology, products and services via research and development in defense industry. To the aim of making Turkey independent in defense technologies, TÜBİTAK SAGE makes applied research and technological development based on scientific and technological priorities in Turkey. In this context, research and development activities are performed starting from the fundamental research and conceptual design to engineering and prototype production for defense systems. The institute aims at adding new, original and national munition systems to the Turkish military inventory and developing critical technologies and infrastructures in defense field.

The fields of specialization that TÜBİTAK SAGE has can be listed as follows:

- Develop guided and unguided munition systems / subsystems,
- Perform technology development studies,
- Develop critical infrastructures
- Accumulate know-how and bring up qualified personnel,
- Produce strategic system and subsystems,
- Perform software development in specific areas like fire command and control, flight simulations, etc.,
- Provide test, measurement and consultancy services.

## TUĞÇELİK

Engaged In Die High Pressure Die Casting Sector and Manufacturing for Worlds Leading Automotive Giants



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## Profile

- Vehicle cooling systems and parts
- Vehicle-related engine components (alloy aluminum and CNC)
- Vehicle-related walking, safety and various components, materials made of alloy steel
- Project, 3D, simulation and engineering works related to these works
- Forming of molds
- Produced projects and molds produced in our own facility and delivered to the user.

# TURAC

Small Arms Ammunition, Shotshells and Blank Cartridges



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**Fatih Altunbas** General Manager  
**Ahmet Aksahin** Vice General Manager

## Profile

TURAC Dis Ticaret Ltd.Sti. is one of the leading companies in the Defense Industry in Turkey. It has a special place in production of small arms ammunition for 9x19mm pistol, military and civilian types of rifles, shotgun, blank and anti-riot ammunition under its own brand names of Sterling, Kaiser and Victory Sport. TURAC produces its ammunition according to NATO, SAAMI and CIP standards in its facilities in Sabanozu/CANKIRI City which has ISO 9001 quality management system certificate and NATO Facility Security Certificate. TURAC is also has memberships of NSPA, NSSF, SASAD and SSI. Worldwide known brand Sterling cartridges and shotshells today have reached 60 countries over the World. TURAC also supplies Turkish Army, Turkish Police and Turkish Gendarmerie.

# TÜRK LOYDU

Classification Activities, Industry and Certification Activities



TÜRK LOYDU

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**M. Cem Melikoğlu** Chairman of The Board

**Lütfü Savaşkan** General Manager

**Okan Çetin** Marine Sector Director

## Profile

Türk Loydu is a Classification Society and a Conformity Assessment Body performing classification and statutory services, inspection, certification and notified body activities, has constituted and been managing its organization to protect independence and impartiality values and maintain the continuity of improvement.

Türk Loydu as a confirmed Classification Society by IACS and a Recognized Organization; provides services within the following scope; Classification of New Building Ships and Ships in Service, Statutory Work carried out on behalf of Nominated Flag Administrations, Certification of Marine Products, Research and Rule Development Activities.

Certification Body activities are performed in accordance with "ISO 17021 Requirements for Bodies Providing Audit and Certification of Management Systems" and accredited by TURKAK (Turkish Accreditation Agency).

"A Type" Inspection Body activities are performed in accordance with "ISO/IEC 17020 General Criteria for the Operation of Various Types of Bodies Performing Inspection" standard and accredited by TURKAK.

Product Certification Body activities are performed in accordance with "ISO/IEC 17065 Requirements for Bodies Certifying Products, Processes and Services" standard and accredited by TURKAK.

Certifications of persons are performed in accordance with "ISO / IEC 17024 General Requirements for Bodies Operating Certification of Persons" and accredited by TURKAK.

Notified Body activities which are composed of conformity assessment activities are performed in accordance with the relevant directives of EU legislations and Guide to the Implementation of Directives Based on New Approach and Global Approach.

Conformity assesment services for CE Marking Services:

Pressure equipment (97/23/EC)

Recreational craft (94/25/EC)

Construction products (Reg. No (EU) 305/2011)

Türk Loydu has established and maintains a quality system that implements integrated management system (IMS) with respect to ISO 9001 Quality Management System, ISO 14001 Environmental Management System and OHSAS 18001 OH&S Management System and additionally IACS QMSR.

# TURKISH AEROSPACE

Turkish Aerospace Industries, Inc



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**Oğuz Borat** Chairman of The Board

**Temel Kotil** President & Ceo

**Naki Polat** Executive Vice President, Aerostructure

**Selman Nas** Executive Vice President, Space Systems

**Ömer Yıldız** Executive Vice President, Unmanned Aerial Systems

**Mustafa Cavcar** Executive Vice President, National Fighter

**Yıldırım Kemal Yılıkçı** Executive Vice President, Helicopter

**Atilla Doğan** Executive Vice President, Aircraft

## Profile

Turkish Aerospace, ranking among the top hundred global players in aerospace and defense industry, is the center of technology in design, development, modernization, manufacturing and life cycle support of integrated aerospace systems, from fixed and rotary wing air platforms to unmanned aerial vehicle systems and space systems.

Turkish Aerospace has built its worldwide success on the foundation of the technological excellence of its products and solutions, participating in international aerospace programs such as JSF/F-35, A400M, A220, A320, A330, A350 XWB, B737, B767, B777 and B787.

Located in Ankara, Turkey, on a 4 million sqm area with a state-of-the-art industrial facility of approximately 600K sqm under roof, furnished with high technology machinery and equipment that enables design, development and modernization with extensive manufacturing capabilities ranging from parts/components manufacturing to aircraft assembly, flight tests and delivery as a reliable solution provider to both military and commercial customers.

The widespread product and activity range grant Turkish Aerospace a unique and unmatched position globally. "ANKA" Medium Altitude Long Endurance (MALE) UAV System, "HÜRKUŞ" Advanced/Combat Trainer, "T129 ATAK" Multirole Combat Helicopter, "T625 GÖKBAY" Multirole Helicopter, "HÜRJET" Advanced Jet Trainer and Light Attack Aircraft, "TF" Turkish Fighter, Advanced Avionics Modernization Suites for Fixed Wing and Rotary Wing Platforms, Telecommunication and E/O Surveillance/Reconnaissance

Satellites, Satellite AIT Center, Special Mission Aircraft Conversions, Aerostructures for military and commercial airborne platforms are among Turkish Aerospace's major products and activities.

Turkish Aerospace Flight Academy provides standard and custom-designed Military/Police and Civil helicopter pilot training in accordance with international regulations.

Determined to keep abreast of global technological developments and secure its place among the major aerospace companies, Turkish Aerospace leads Turkey to new horizons in aviation in the 21st century.

## TURKTIPSAN



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## Profile



# TURMAKS

Mobile & Healthcare Solutions



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**Ali Tunç Kemaloğlu** Ceo

**İsmail Oğuz Aroyamak** Deputy Manager

**İlker Hüner** Deputy Manager

**Burkay Demirci** Design Manager

**Mert Erkoçak Medical** Department Manager

**Yağmur Afşin Business** Development Coordinator

**Ceren Bozkurt Kemaloğlu** Project Coordinator

## Profile

TURMAKS is a company specialized in the planning, design and execution of medical and related turnkey projects throughout the globe - with a particular focus on fast support hospitals, mobile field hospitals (Level-II, Level-II+, Level III), and trailer clinics.

TURMAKS, established in 1997, has completed several healthcare projects around the globe such as in Turkey, Azerbaijan, Darfur, Cote d'Ivoire, Algeria, Mali, Nigeria, Gana, Maldives and has successfully delivered and deployed several field hospitals and trailer clinics to organizations like UN and Ministries of Health and Defense.

TURMAKS manufactures many innovative mobile solutions in its 4400m2 facility in Ankara/Turkey.

# U4 MARINE & INTERIOR

Creating With Passion



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**Umut Atak** General Manager

## Profile

U4 Marine & Interior is a full service interior design and manufacture company based in Antalya Free Zone, Turkey. In an effort to set the standards higher in design and application. Dedicated to the creation of custom interiors, the company prides itself on combining architecture and interior design to find unique and aesthetically pleasing solutions.

U4 Marine & Interior is consistently dedicated to the highest international technological standards in interior design, manufacturing and contracting of high quality, turn-key interiors by deploying all its resources and maintaining professional workmanship in order to deliver unsurpassable quality of its products.

Security clearance is a high priority when building vessels. On the other hand U4 has been granted worldwide recognized [UKAS] and distinctive certifications [ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018] to ensure highest level of Quality Management System for its clients as well as other stakeholders.

U4 Marine & Interior is the integrated yacht/boat building facility with 70+ people and more than 100 years of accumulated experience in every stage of an interior project. With the ability of controlling all the disciplines and using own teams for each part of a project we achieve exceptional economics for every project and offer reasonable prices.

-7500 sq. m. fully established main building shed.

-3000 sq. m. Interior Factory with state of the art machinery including CNC controlled cutting, CNC controlled shaping units,

heated press, veneers cutting and joining machine and many other equipment necessary to complete the interior of a superyacht all in-house.

-All air-conditioned and dust free varnish/paintshop booth with separate cabins for sanding, application and drying.

-Upholstery workshop

-Metal workshop complete stainless steel welding and polishing equipment.

U4 Marine & Interior team of skilled and experienced craftsmen take this process to the next level where their expertise manufacture and produce the conceptual designs into tangible interiors. The factories combine the latest in machine and laser technology, while still emphasizing on traditional craftsmanship. Fit out work, loose furniture, soft furnishings and even architectural metal works are all manufactured in-house within the factory facilities.

## ULUS ELEKTRONİK

Electronic Wound Elements Design, Production, Printed Circuit Board Assembly, Cable Assembly and Electro Mechanical Assembly, Sales and After-Sales Services



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**Necmettin Özkurt** General Manager

**Esen Özkurt** Deputy General Manager

**Halil İleri** Factory Manager

**Okan Övün** Sales Marketing

**Tayfun Kocaman** Finance

**Filiz İlhan** Customer Care

**Barış Zohrap** Human Resources

**Bora Yalçın** Planning Department

**Büşra Acet** Accounting

**Ümit Zohrap** Chancellery

## Profile

Ulus Electronics, with over 30 years of experience in the production of indigenous and self-winding circuit elements for 14 years by performing production in 2017 in Çayırova-Kocaeli region has established a production factory. In its new production plant, it continues to grow by adding printed circuit elements, cable harness and electromechanical assembly parts. In addition to the components staff who have worked in the same field for many years as the staff; young engineers and technical staff members to provide qualified staff growing. We design the demands of our customers by our own R & D department and produce solutions against the needs. Areas of Activity: Provides services in different areas such as Defense Industry, Consumer Electronics, Science and Technology Projects and Telecommunication. Product variety are; Transformers, Electronic car-PCBA, Electromechanical Assembly, Cable harness.

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**Hakan Batılı** General Manager

## Profile

Founded in 2000 to manufacture precision components by investment casting; Unimetal is Turkey's leader in manufacturing capacity and capabilities, product development and quality.

Unimetal offers finished products through in-house operations and organization of tooling production, casting, precision machining, heat treatment, surface treatment and assembly.

Unimetal team comprises 170 employees including 24 engineers.

Unimetal casts parts of aluminum, steel, stainless steel, copper-based and other special alloys to manufacture products for leading companies in the Aerospace & Defence, Railway, Automotive, Energy and Electronics sectors.

We use the latest technology 3D Printer for our Rapid Prototyping system.

Unimetal is EN/AS 9100, ISO 9001 and NADCAP (NDT) certified.

Through realizing all metallurgical and mechanical tests in our in-house laboratories, we are able to obtain results rapidly, and thereby problem solving and time & cost control come to the fore as our core capabilities to serve our customers

Unimetal is Turkey's first member of EICF (European Investment Casters Federation)

# VANEDA AYAKKABI

Footwear, Military and Civil Boots and Shoes



**Company Address** İkitelli Osb. Mah. İmsan San. Sit. A Blok  
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[info@vaneda.com](mailto:info@vaneda.com)

**Rızvan Yılmaz** Chairman  
**Kadir Yılmaz** Member of Board  
**Aykut Verim** Deputy General Manager  
**İbrahim Oral** Marketing Executive  
**Ümral Oral** Ceo / General Manager

## Profile

Vaneda Ayakkabı San. Ve Tic. A.Ş. founded in İstanbul İkitelli in 2004, continues to mass production at its new 5000 m<sup>2</sup> factory with production capacity as 500.000 pairs of boots and shoes per year with the power from great experience, knowledge and high quality innovative approach of Fatih Ökçe who is one of leading company and left behind 43 years in the footwear industry with production of heels, soles, insoles and lasts that requires great mastership in developing Turkey.

Founding philosophy of Vaneda can be summarised as producing the most appropriate quality,absolutely waterproof, never getting heavier boots and shoes with competitive prices. In accordance with founding philosophy, "ensuring customer satisfaction" is considered as a sacred value for Vaneda, which manufactured by using the highest quality materials well accepted in the footwear industry and meeting the deadlines.

Thanks to the company's expert staff who have completed the following investments and system building activities very quickly, both ISO 9001: 2008 Quality Management System and Ohsas 18001 Occupational Health and Safety Management Systems and ISO 14001 Enviroment Management System has been established in a very short time with the existence of a structure that confirms to the contemporary quality understanding.

Our products and raw materials are tested in our laboratory equipped with the latest technology in compliance with ISO 9001:2008 system and TSE criteria and the quality of the products emphasise on sensitively.

# VARZENE

Super Alloys Raw Material (Semi-Finished) Manufacturer and Supplier



**Company Address** İtösb 3. Cad No:10 Tepeören Tuzla, İstanbul / Turkey

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**İsmail Demirkaya** Chairman

**Mert Katırcı** Business Developments and Investments

**Devrim Aytaş** Sales Director

## Profile

Varzene Metal is 2007 founded metal service center. Varzene import and export metal semi-finished raw materials for instance stainless steel, nickel alloys, titanium alloys, aluminum alloys, tool steels, die steel in all forms ( bar, sheet, pipe etc.) mostly to defence and aerospace industry. Varzene Metal has 3 offices domestic and 1 in portugal 1 in Czech facility with over 100 employees and 25 Engineers. In 2015 Varzene Metal established its own cold drawing facility in order to decrease round bar diameters. In 2017 Varzene Metal has bought a second hand VIM (Vacum induction furnace) casting factory that also possess cold rolling, VCAP, furnaces, copper continous casting and all auxiliary equipments-tools. All in all Varzene metal become a producer in superalloys and metals industry. During 2019 Varzene Metal moves its Czech Republic factory/plzen edehl stahl to a new building in Izmir. Also this facility will be completed by adding a 2000Tons open die forging press machine to become a integrated manufacturer. Our metal service centers located in İstanbul, Ankara, Izmir and Bursa. We designate Varzene Metal as Strategic Metal base and We are open minded to new business opportunities.

## VESTEL DEFENCE INDUSTRY

Aerospace & Defence

# VESTEL

## Defence Industry

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**Öner Tekin** General Manager

**Levent Tanrıdağ** Deputy General Manager

## Profile

Vestel Defence Industry Corporation is the establishment that serves to defence industry sector under the ZORLU Group's flagship; VESTEL Group of Companies.

VESTEL Defence is a leading platforms manufacturer of Turkey, focused on the production of UAVs. Since 2005, Vestel Defence has developed indigenous UAV systems in various categories and acquired in depth knowledge and expertise on Unmanned Systems platforms. From structural and aerodynamic design, the auto-pilot system, the central control computer including the ground control station and the design of avionics, to all software developments and system productions, UAV's are developed indigenously in house. KARAYEL UAV System is an autonomous reconnaissance and surveillance platform and is the first Turkish UAV System developed in accordance with NATO 'Airworthiness' STANAG 4671. Payload capacity and variations are available for both civil and military applications.

In the fields of Hydrogen and Fuel Cell (KOYP) Technologies whose batch productions have not yet started, together with its competent R&D staff, Vestel has been in collaboration with universities in the production of R&D since 2004. In the frame of many national and international R&D support projects, VESTEL Defence continues with R&D activities in its own laboratories.

VESTEL Defence Industry, since its establishment, specializing on the developing or unique areas over the world to develop indigenous products within these areas by completely national resources with the support of ZORLU Group, is working hard to contribute strength to the power of Turkish Defense Industry.

# YAKUPOĞLU

Military Police Footwear, Textile Equipments & Tents



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**Levent Gülcan** General Manager  
**Can Kahraman** Board Member  
**Sevgi Fırat Çat** Export Sales & Marketing Regional Manager  
**Sultan Yıldırım** Export Sales & Marketing Regional Manager  
**Pınar Delitay** Export Sales & Marketing Supervisor

## Profile

YAKUPOGLU A.S. (YDS) is ever year in the list of the first 500 industrial corporations. It is located in Ankara with 100.000 m<sup>2</sup> closed area, 1,500 employees, more than 30 engineers and 150 million dollar investment, has the most advanced technologies in production lines.

YDS is the biggest supplier of the Turkish Armed Forces and Security Forces and exports its wide range of products to over than 50 countries. YDS is registered supplier of the British Army and has been supplying to countries i.e. France, Spain, Portugal, Italy, Germany, Denmark, Lebanon, Azerbaijan, Russia, Qatar, Kazakhstan, Albania, Bosnia and Herzegovina, Egypt, Oman, United Arab Emirates, Israel, Africa.

YDS has around 335 million Turkish Liras turn over with 35% of export rate.

YDS is following European and Nato standards. Production capacity for footwear is around 5 million pairs annually. YDS has very professional R&D department and develops all products according to customer needs for different climate, terrain and operational conditions.

YDS is a unique manufacturer who has well equipped laboratory accredited by SATRA UK notified body and TURKAK Turkish Accreditation Institute. All the raw materials before production and finished products before dispatchments to customers are tested to prove the quality.



## YALTES

Naval Combat and Platform Management

# YALTES

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**Marcus Waarts** Chairman  
**Mehmet R. Kitiş** General Manager  
**Selçuk Kaçkar** Financial Director  
**Fikretin Emanet** Technical Director  
**Bülent Hamzaoğlu** Programs Director

## Profile

YALTES's product and solutions portfolio for defense applications is specially tailored to satisfy each customer needs combining the benefits of the whole company's expertise & skills and strategic partnerships all over the world in the following areas;

Naval Combat Management Systems,  
Mission Management Systems for small Naval Platforms  
Integrated Platform Management Systems,  
Integrated Navigation & Bridge Systems,  
Tactical Data Link Systems,  
Fire Control Systems Integration,  
Integrated Maritime / Coastal Surveillance Systems,  
Harbor/Base Protection Systems,

## YILMAZ

R&D-Design-Machine-Machining



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**Hüseyin Yılmaz** General Manager  
**Mehmet Yılmaz** General Coordinator  
**Fatih Yılmaz** General Manager Assistant  
**Sinan Yılmaz** General Manager Assistant  
**Yusuf Yılmaz** General Manager Assistant

## Profile

Founded in 1979, our company has become the leader of a new perspective in the sector by following the current developments since its establishment and with its customer-oriented solutions. "CUSTOMER SATISFACTION" which is the central point of management mentality, is the measurement of the investments made by Yılmaz Machine. Creating solutions with wrapping, packaging machines as well as specific designs in a total area of 16.000 m2, our company provides services to privileged customers in food, medicine, chemistry and cosmetic sectors.

With over 67 different models of machines manufactured and its solutions peculiar to you, Yılmaz Machine is a World Brand in respect of being "Your Solution Partner about packaging and wrapping". By certifying its different management mentality with ISO 9001:2015 quality management certificate and with its experience over 30 years, our company prouds of providing service to the valuable customers.

**Company Address** Balıkhisar Mah. Balıkhisar Köy İçi  
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**Celal Abbas Doğanay** General Manager

**İsmail Ümit Ol** Project Manager

**Tuğba Buhar** Sales Manager

## Profile

Yol-Bak. Ltd. Şti. was established in 1994 at Ankara – Ostim industrial site. The main purpose of our company is manufacturing top vehicle equipments which are giving services in the area of road and terrain. We started manufacturing of salt spreaders, snow blades, trailers, semi-trailers, mechanical stabilization plants, dumpers, sheet metal dumpers, loading winches, pulling winches etc.

Due to the needs and requests of main prime contractors and in order to improve our manufacturing efficiency; our company proceeds to establish the manufacturing factory at Road to Esenboğa – Balıkhisar Village due to motivation from our business partner M.A.N. A.Ş.

In order to perform and complete the projects of SSM we became a subcontractor of BMC in 2009-2010 and open as a secondary manufacturing factory in İzmir-Kemalpaşa- area of Tokatburnu and have been performing succesful projects.

The vision of Yol-Bak. Ltd. Şti. is to perform succesful projects based on domestic production. Our principals are performing R-D (Research and Development) projects with functional and quality products by making investments of manufacturing tools towards to projects.

(BMC-KIRPI) (SSM) Armored Hull Production for Mine Resistant Vehicles

Cabin Armoring (ROKETSAN)

Boxes/Frames for Tactical Vehicles (BMC)

Battlefield Fuel Tanker and Logistic Services Fuel Tanker

Boxes/Frames for ammunition loading and transportation vehicles (ROKETSAN)

Mobile Repair Shop (Mobil Service Vehicle) (BMC)

Rescue Cranes

Towing Machines, Charging Cranes

NATO Shelter Command Cabins (ROKETSAN-AZERBEYCAN PROJECT)

Superstructure of Low and Medium Altitude Missile Launching Ramp (ROKETSAN)

Automatic – Electronic Controlled Platforms with Hydraulic Leveling System (ASELSAN)

Dump Boxes

Low-Bed Trailers

Trailers

Galvanized Boxes

Water Tankers

Salt Spreaders

Snow Plough Blades

Hydraulic Brooms

Asphalt Maintenance Vehicles

Asphalt Relay Tanks

Plate Post Pile Drivers



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**Şakir A. Yılmaztürk** Chairman  
**İ. N. Ekber Onuk** Vice Chairman  
**Erdem Yılmaztürk** Member of The Board  
**Mehmet A. Güler** Managing Director  
**N. Tayfun Tansan** General Manager

## Profile

Yonca-Onuk JV is a joint venture consisting of a privately owned Yonca Teknik Yatırım Turizm Sanayi ve Ticaret AŞ and Onuk Taşıt AŞ, under Turkish law established in 1986 in Tuzla-İstanbul. It has the capacity to build high-speed boats in advanced composites. State-of-the-art pleasure, commercial and naval craft in advanced composites have been designed and built since 1989. The shipyard has National Plant Security Clearance Certificate and also Environmental Management (ISO 14001), Occupational Health & Safety (OHSAS 18001) and NATO AQAP-2120 Quality Assurance Certificates. The ship building process is full compliance with ISO 9001:2008 Quality Assurance System, with engineering and production as per Det Norske Veritas Germanischer Lloyd (DNV GL) classification rules and naval standards.

Yonca-Onuk J.V.MRTP Fast Craft family is developed to offer an advanced versatile platform series to perform various tactical missions for the increasingly tough requirements of the naval and law enforcement forces to control the littoral and the coastal waters and protect to peace in the most demanding conditions.

With their very high speed, high maneuverability, superior sea keeping, shallow water capabilities and the advanced weapon, machinery systems and arrangement result in a vessel with greatly enhanced operability, maintainability and accommodation standards.

Having aforementioned characteristics Yonca-Onuk J.V.MRTP boats are ideally suited for the mastery of the brown waters. The flexible design will allow the installation of different surveillance, observation, rescue and weapon systems to perform military

and paramilitary missions. Advanced composite structures allow built-in capabilities such as low signature levels, very low life cycle operation cost and a great flexibility of adaptation.

Since 1993 more than 150 platforms were constructed and commissioned by eleven different organizations serving in the eight different countries.

Yonca-Onuk JV. is not only the first Turkish company exporting military ships abroad also the first Turkish company that providing know-how, design and material packages to friendly countries for building the boats in those countries.

Every project is supported by the Integrated Logistic System however, after sale support for the customers are also provided with Follow on or Rate Running Contracts. Individual, repair, overhaul or modification requirements of the customers are also satisfied.

Luxury yachts projects of Yonca-Onuk JV. are not as much as military projects however, customers who look for military standards and toughness in the luxury boat can always find a satisfactory solution in Yonca-Onuk JV.

In addition to the composite productions, having required infrastructure and organization with highly expert personnel, Yonca-Onuk JV. recently is expanding her portfolio with aluminum boats.

8	ADA	50	CPS PRESSFORM
10	AKANA	51	CRYPTTECH
11	AKGÜN	52	CTECH
14	AKKAR	53	DEARSAN
16	ALP AVIATION	54	DELTA
18	ALTAY	55	DESAN SHIPYARD
20	ALTEK	56	DESİ
22	ALTINAY	57	DOĞUŞ KİMYA
24	ALTOY	58	DYO
25	AMEGA	59	ELEKTROLAND DEFENCE
26	ANADOLU SHIPYARD	60	ERMAKSAN
27	ANOVA	61	ESAC
28	ARES SHIPYARD	62	ESEN
29	ARGELA	63	ETA
30	ARTRON	64	FİGES
31	ASELSAN	65	FNSS
32	ASELSAN SİVAS	66	FOTONIKS
33	ASPILSAN ENERGY	67	GİRSAN
34	ASSAN	68	GÖKSER
35	ATA ARMS	69	GRUP IMPEKS
36	ATEL	70	GÜRSAŞ
37	AVS	71	GÜVENLİ YAŞAM
38	AYESAŞ	72	HAVELSAN
39	AYYAZILIM	73	HAVELSAN TEKNOLOJİ RADAR
40	BARIŞ	74	HEMA ENDÜSTRİ
41	BARTEZ	75	HEXAGON STUDIO
42	BEST GRUP	76	HIDROAN
43	BİTES	77	HST
44	BMC	78	HUKD
45	BTSO	79	ICTERRA
46	C.E.S.	80	ILERI GROUP
47	CANOVATE	81	infoTRON
48	CEY SAVUNMA	82	IPA DEFENCE
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- 84 İSİSO  
85 İSTANBUL SHIPYARD  
86 İSTANBUL SİLAH  
87 KALE HAVACILIK  
88 KAREL  
89 KATMERCİLER  
90 KAYALAR  
91 KOÇ  
92 KOÇAK  
93 KOLUMAN  
94 KOYUNCU  
95 KRL  
96 M-D2  
97 MAK SAVUNMA  
98 MAKEL  
99 MAKTEL  
100 MATEŞ  
101 MAY CYBER TECHNOLOGY  
102 ME-GE TEKNİK  
103 MENSAN  
104 MES MAKİNA  
105 METEKSAN DEFENCE  
106 MILENS  
107 MİLSOFT  
108 MKEK  
109 MTU  
110 NANOBİZ  
111 NERO INDUSTRIES  
112 NETA ELEKTRONİK  
113 NORM TECHNOLOGIES  
114 NUROL MAKİNA  
115 NUROL TECHNOLOGIES  
116 OBSS  
117 ODAK  
118 OERLIKON  
119 ONUR  
120 OSSA  
121 OTOKAR  
122 ÖZTEK TEXTILE  
123 ÖZTİRYAKİLER  
124 PAGETEL  
125 PAPILON  
126 PAVOTEK  
127 PEGASUS  
128 Pİ MAKİNA  
129 PROFEN  
130 PUNTEL  
131 RAFF MILITARY TEXTILE  
132 RAYON  
133 REPKON  
134 RMK MARINE  
135 ROKETSAN  
136 RST  
137 SAHA İSTANBUL  
138 SAMSUN YURT SAVUNMA  
139 SAVRONİK  
140 SDT  
141 SELAH SHIPYARD  
142 SELEX ES TURKEY  
143 ŞENER OTOMOTİV  
144 SERPA  
145 SIEMENS  
146 SİMSOFT  
147 SMF SERT METAL  
148 SPARK  
149 STM  
150 STOEGER  
151 TDU

- 152 TEI
- 153 TEZMAKSAN
- 154 TİBET
- 155 TİMSAN
- 156 TİSAŞ
- 157 TRANSVARO
- 158 TSSK
- 159 TTAF DEFENCE
- 160 TÜBİTAK
- 161 TÜBİTAK BİLGEM
- 162 TÜBİTAK MAM
- 163 TÜBİTAK SAGE
- 164 TUĞÇELİK
- 165 TURAC
- 166 TÜRK LOYDU
- 167 TURKISH AEROSPACE
- 168 TURKTIPSAN
- 169 TURMAKS
- 170 U4 MARINE & INTERIOR
- 171 ULUS ELEKTRONİK
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# COMPLETE SYSTEMS



## ACCESS CONTROL - SEE ALSO SECURITY

- GRUP IMPEKS
- MILENS
- ARGELA
- SIEMENS
- TSSK
- DESİ
- ILERİ GROUP
- MAY CYBER TECHNOLOGY
- PAPILON
- MENSAN
- SAYTEC

## ACOUSTIC - SEE ALSO AUDIO, SONAR

- ESEN
- TSSK
- BİTES
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- TÜBİTAK MAM
- İPA DEFENCE
- KOÇ
- TÜBİTAK BİLGEM

## ACTION DATA - SEE ALSO OPERATIONAL DATA, IT, COMMAND

- ARTRON
- PROFEN
- TSSK
- CRYPTTECH
- MAY CYBER TECHNOLOGY
- HAVELSAN
- İPA DEFENCE
- KOÇ
- TÜBİTAK BİLGEM

## AERIAL PHOTOGRAPHY/IMAGING/SENSORS - SEE COMPONENTS AND EQUIPMENTS

- ALTINAY
- ESEN
- TSSK
- BİTES
- ASELSAN

- ANOVA

## AERIAL TARGETS - SEE ALSO TARGETS

- ALTINAY
- MAY CYBER TECHNOLOGY
- HAVELSAN
- TURKISH AEROSPACE

## AERIALS/ANTENNA

- BEST GRUP
- ETA
- OSSA
- PROFEN
- MAY CYBER TECHNOLOGY
- RST
- ASELSAN
- METEKSAN DEFENCE
- CTECH
- TÜBİTAK BİLGEM

## AIR CONDITIONING - SEE ALSO HEATING, VENTILATION

- GRUP IMPEKS
- İSİSO
- MAKEL
- OSSA
- SIEMENS
- GÖKSER
- MAKTEL
- CANOVATE
- ANOVA
- FİGES

## AIR DEFENCE SYSTEMS

- İSİSO
- AKKAR
- ESEN
- NORM TECHNOLOGIES
- ALTEK
- BARTEZ
- ROKETSAN
- ASELSAN
- HAVELSAN
- SİMSOFT

## AIR SEA RESCUE - SEE ALSO SAR

- TSSK

- HAVELSAN
- METEKSAN DEFENCE

### **AIR TRAFFIC CONTROL**

- MILENS
- ALTAY
- TSSK
- infoTRON
- BİTES
- ASELSAN
- HAVELSAN
- ONUR
- TÜBİTAK BİLGEM

### **AIRCRAFT ARMAMENT**

- ALTINAY

### **AIRCRAFT BATTERIES**

- OSSA
- ASPILSAN ENERGY

### **AIRCRAFT CONTROL SYSTEMS**

- AKKAR
- TSSK
- ILERI GROUP
- TURKISH AEROSPACE
- ANOVA
- CTECH
- TÜBİTAK BİLGEM

### **AIRCRAFT GROUND SUPPORT**

- ISISO
- MATEŞ
- AKKAR
- ALTAY
- OSSA
- TİMSAN
- TSSK
- GÖKSER
- ILERI GROUP
- HAVELSAN

### **AIRCRAFT HEAD UP DISPLAYS**

- BİTES

### **AIRCRAFT MANUFACTURERS**

- VARZENE
- TURKISH AEROSPACE

### **AIRCREW CLOTHING**

- GRUP IMPEKS
- NORM TECHNOLOGIES
- RAFF MILITARY TEXTILE

### **ALARM DETECTION: CBRN**

- NERO INDUSTRIES
- GRUP IMPEKS
- MAKEL
- OSSA
- HAVELSAN
- CANOVATE
- TÜBİTAK MAM

### **AMBULANCE - SEE ALSO VEHICLES**

- OTOKAR
- NERO INDUSTRIES
- ARES SHIPYARD
- GRUP IMPEKS
- KATMERCİLER
- OSSA
- FNSS
- NUROL TECHNOLOGIES
- NUROL MAKİNA

### **AMMUNITION MANUFACTURE**

- MILENS
- ALTINAY
- NORM TECHNOLOGIES
- TURAC
- ALTEK
- ROKETSAN
- YILMAZ
- VARZENE
- ASELSAN
- TÜBİTAK SAGE
- MKEK

### **AMMUNITION PROTECTION - SEE ALSO PROTECTIVE CLOTHING, ARMOUR**

- NERO INDUSTRIES
- GRUP IMPEKS

- AVS
- NORM TECHNOLOGIES
- OSSA
- GÜVENLİ YAŞAM
- BARIŞ
- NUROL TECHNOLOGIES
- TDU
- MENSAN
- VARZENE
- IPA DEFENCE
- ANOVA

### **AMPHIBIOUS VEHICLES**

- OTOKAR
- GRUP IMPEKS
- KATMERCİLER
- TSSK
- ANADOLU SHIPYARD
- FNSS
- NUROL TECHNOLOGIES
- ASELSAN
- NUROL MAKİNA

### **ANTI SUBMARINE WEAPONS**

- AKKAR
- ROKETSAN
- ASELSAN
- KOÇ
- MKEK

### **ANTI TANK SYSTEMS**

- AKKAR
- FNSS
- REPKON
- ROKETSAN
- ASELSAN
- MKEK

### **ARMOUR - SEE ALSO PROTECTIVE CLOTHING, BODY**

#### **ARMOUR**

- C.E.S.
- BEST GRUP
- GRUP IMPEKS
- AVS
- NORM TECHNOLOGIES
- ODAK

- GÜVENLİ YAŞAM
- BARIŞ
- BARTEZ
- NUROL TECHNOLOGIES
- RAFF MILITARY TEXTILE
- ROKETSAN
- MENSAN
- CANOVATE

### **ARMOUR, WEAPONS AND AMMUNITION PROOFING**

- C.E.S.
- BEST GRUP
- MILENS
- NORM TECHNOLOGIES
- ODAK
- OSSA
- BARTEZ
- MAKTEL
- NUROL TECHNOLOGIES
- ÖZTEK TEXTILE
- ROKETSAN
- ASELSAN
- TÜBİTAK MAM
- MKEK

### **ARMoured FIGHTING VEHICLE MANUFACTURERS**

- OTOKAR
- BEST GRUP
- KATMERCİLER
- BARTEZ
- FNSS
- ILERI GROUP
- MAKTEL
- NUROL TECHNOLOGIES
- YILMAZ
- NUROL MAKİNA

### **ARMoured PERSONNEL VEHICLES AND CARS**

- OTOKAR
- BEST GRUP
- GRUP IMPEKS
- KATMERCİLER
- BARTEZ
- FNSS
- HEMA ENDÜSTRİ
- ILERI GROUP

- MAKTEL
- NUROL TECHNOLOGIES
- TÜBİTAK MAM
- NUROL MAKİNA

### **ARTILLERY - SEE ALSO GUN SYSTEMS AND MISSILE SYSTEMS**

- MILENS
- AKKAR
- NORM TECHNOLOGIES
- MAKTEL
- ROKETSAN
- ASELSAN
- MKEK

### **AUTOMATIC TEST EQUIPMENT - SEE ALSO TEST EQUIPMENTS**

- KRL
- ISISO
- AKGÜN
- ALTINAY
- ARTRON
- ETA
- SELEX ES TURKEY
- DELTA
- infoTRON
- M-D2
- BARTEZ
- ILERI GROUP
- MAKTEL
- SPARK
- PAVOTEK
- ASELSAN
- TÜBİTAK SAGE
- İPA DEFENCE
- FİGES
- KOÇ

### **AVIONICS**

- AYESAŞ
- FOTONIKS
- BEST GRUP
- ISISO
- ARTRON
- ATEL
- ESEN

- ALTAY
- SAVRONİK
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- ESAC
- infoTRON
- BİTES
- PAVOTEK
- VARZENE
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- ANOVA
- SİMSOFT
- TÜBİTAK BİLGEM

### **BATTLEFIELD SURVEILLANCE**

- OTOKAR
- NERO INDUSTRIES
- ALTINAY
- PROFEN
- SELEX ES TURKEY
- TSSK
- PAVOTEK
- ASELSAN
- METEKSAN DEFENCE
- SİMSOFT
- TÜBİTAK BİLGEM

### **BOAT BUILDERS (UNDER 50METRES LENGTH), SMALL CRAFT - SEE ALSO RIB**

- DEARSAN
- U4 MARINE & INTERIOR
- SELAH SHIPYARD
- ARES SHIPYARD
- GRUP İMPEKS
- ALTAY
- RMIK MARINE
- ANADOLU SHIPYARD
- MAKTEL
- İSTANBUL SHIPYARD
- YONCA-ONUİK

## **BODY ARMOUR - SEE ALSO ARMOUR SYSTEMS**

- C.E.S.
- GRUP IMPEKS
- MILENS
- AVS
- NORM TECHNOLOGIES
- GÜVENLİ YAŞAM
- BARIŞ
- BARTEZ
- NUROL TECHNOLOGIES
- ÖZTEK TEXTILE
- MENSAN
- CANOVATE
- IPA DEFENCE
- ANOVA

## **BOMB DISPOSAL, INCLUDING ROBOTS**

- MILENS
- ALTINAY
- ELEKTROLAND DEFENCE
- HIDROAN
- NORM TECHNOLOGIES
- M-D2
- ROKETSAN
- IPA DEFENCE
- ANOVA
- FİGES
- MKEK

## **CBRN SYSTEMS**

- OTOKAR
- MAKEL
- TURMAKS
- NORM TECHNOLOGIES
- OSSA
- FNSS
- HAVELSAN
- TÜBİTAK MAM
- NANOBİZ

## **CHARGES**

- BEST GRUP
- ASPILSAN ENERGY

## **CHEMICAL/BIOLOGICAL/NUCLEAR PROTECTION (CBRN)**

- OTOKAR
- NERO INDUSTRIES
- MAKEL
- AVS
- ELEKTROLAND DEFENCE
- NORM TECHNOLOGIES
- TSSK
- ÖZTEK TEXTILE
- HAVELSAN
- IPA DEFENCE
- TÜBİTAK BİLGEM

## **CLOTHING SYSTEMS, PROTECTIVE - SEE ALSO**

### **CLOTHING**

- GRUP IMPEKS
- AVS
- NORM TECHNOLOGIES
- OSSA
- GÜVENLİ YAŞAM
- M-D2
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- TDU
- YAKUPOĞLU
- TÜBİTAK MAM
- IPA DEFENCE

## **CLOTHING SYSTEMS, UNIFORM - SEE ALSO CLOTHING**

- GRUP IMPEKS
- AVS
- NORM TECHNOLOGIES
- OSSA
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- IPA DEFENCE

## **COMMAND AND CONTROL**

- OTOKAR
- AYESAŞ
- NERO INDUSTRIES
- KRL
- TURMAKS
- ARGELA
- ATEL
- ELEKTROLAND DEFENCE
- ESEN

- ALTAY
- MILSOFT
- PROFEN
- SAVRONİK
- STM
- TSSK
- YALTES
- ALTEK
- BİTES
- FNSS
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- TÜBİTAK SAGE
- ONUR
- CTECH
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **COMMAND DATA MANAGEMENT**

- AYESAŞ
- ARTRON
- ESEN
- ALTAY
- STM
- TSSK
- CRYPTTECH
- BİTES
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- HAVELSAN
- ONUR
- IPA DEFENCE
- CTECH
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **COMMAND SUPPORT**

- ARGELA
- ESEN

- ALTAY
- TSSK
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN
- ONUR
- CTECH
- KOÇ
- TÜBİTAK BİLGEM

### **COMMUNICATION**

- KRL
- KAREL
- MILENS
- ARGELA
- ARTRON
- ATEL
- ICTERRA
- ALTAY
- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- TSSK
- ESAC
- infoTRON
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- ONUR
- IPA DEFENCE
- CTECH
- FİGES
- SİMSOFT
- TÜBİTAK BİLGEM

### **COMMUNICATION: AEROSPACE**

- AYESAŞ
- ARTRON
- ALTAY
- PROFEN
- SDT
- SELEX ES TURKEY
- TSSK

- ESAC
- MAY CYBER TECHNOLOGY
- RST
- ASELSAN
- METEKSAN DEFENCE
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **COMMUNICATION: LAND AND COMMERCIAL**

- AYESAŞ
- KAREL
- MILENS
- ARGELA
- ARTRON
- ICTERRA
- ALTAY
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- TSSK
- BİTES
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **COMMUNICATION: MARITIME**

- AYESAŞ
- KAREL
- ARGELA
- ALTAY
- PROFEN
- SELEX ES TURKEY
- STM
- TSSK
- MAY CYBER TECHNOLOGY
- PAVOTEK
- METEKSAN DEFENCE
- ONUR
- CTECH
- KOÇ

- TÜBİTAK BİLGEM

### **COMMUNICATION: MULTI ROLE**

- AYESAŞ
- ARTRON
- ICTERRA
- ALTAY
- SELEX ES TURKEY
- TSSK
- infoTRON
- PAVOTEK
- ONUR
- CTECH

### **COMMUNICATION: SECURITY**

- MILENS
- ARGELA
- ARTRON
- ICTERRA
- PROFEN
- SELEX ES TURKEY
- TSSK
- CRYPTTECH
- BARTEZ
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **DATA ACQUISITION AND PROCESSING**

- AYESAŞ
- AKGÜN
- ARGELA
- ARTRON
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- MİLSOFT
- PROFEN
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- CRYPTTECH
- MAY CYBER TECHNOLOGY

- PAPILON
- RST
- PAVOTEK
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- TÜBİTAK SAGE
- ONUR
- ANOVA
- CTECH
- FİGES
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **DATA COMMUNICATION**

- AYESAŞ
- KRL
- MILENS
- AKGÜN
- ARGELA
- ARTRON
- ESEN
- ICTERRA
- ALTAY
- PROFEN
- SDT
- SELEX ES TURKEY
- TSSK
- CRYPTTECH
- MAY CYBER TECHNOLOGY
- OBSS
- RST
- PAVOTEK
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- ONUR
- CTECH
- FİGES
- KOÇ
- TÜBİTAK BİLGEM

### **DATA LINK**

- AYESAŞ
- NERO INDUSTRIES

- MILENS
- AKGÜN
- ARGELA
- ARTRON
- ICTERRA
- ALTAY
- MİLSOFT
- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- ESAC
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- NETA ELEKTRONİK
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **DATA NETWORK**

- AYESAŞ
- NERO INDUSTRIES
- MILENS
- AKGÜN
- ARGELA
- ESEN
- ICTERRA
- ALTAY
- MİLSOFT
- PROFEN
- SDT
- TSSK
- YALTES
- CRYPTTECH
- ESAC
- MAY CYBER TECHNOLOGY
- OBSS
- PAVOTEK
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- ONUR



- CTECH
- KOÇ

### **DATA RECORDING**

- AYESAŞ
- MILENS
- AKGÜN
- ARGELA
- ARTRON
- HAVELSAN TEKNOLOJİ RADAR
- SDT
- TSSK
- CRYPTTECH
- BİTES
- MAY CYBER TECHNOLOGY
- PAPHILON
- PAVOTEK
- ASELSAN
- HAVELSAN
- ONUR
- ANOVA
- CTECH
- FİGES
- KOÇ
- TÜBİTAK BİLGEM

### **DATABASE INFORMATION**

- MILENS
- AKGÜN
- ICTERRA
- ALTAY
- STM
- TSSK
- CRYPTTECH
- BİTES
- MAY CYBER TECHNOLOGY
- OBSS
- PAPHILON
- PAVOTEK
- ASELSAN
- HAVELSAN
- ONUR
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **ELECTRICAL SYSTEMS**

- ARTRON
- ME-GE TEKNİK
- OSSA
- MAKTEL
- PAVOTEK
- ULUS ELEKTRONİK
- CANOVATE
- ANOVA

### **ELECTRO OPTICAL**

- FOTONİKS
- MILENS
- AVS
- ESEN
- OSSA
- PROFEN
- ASELSAN SİVAS
- PAPHILON
- RST
- TRANSVARO
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- FİGES
- TÜBİTAK BİLGEM

### **ENERGY STORAGE SYSTEMS**

- ASPILSAN ENERGY
- PAVOTEK
- TÜBİTAK MAM

### **EXPLOSIVE ORDNANCE DISPOSAL (EOD)SYSTEMS SEE ALSO BOMB DISPOSAL**

- MILENS
- AKANA
- ALTINAY
- ELEKTROLAND DEFENCE
- ALTAY
- NORM TECHNOLOGIES
- TRANSVARO
- YILMAZ
- ASELSAN
- MKEK
- NUROL MAKİNA

## **FIELD HOSPITALS**

- TURMAKS
- GÖKSER

## **FLIGHT CONTROL**

- ALTINAY
- ESEN
- TSSK
- HAVELSAN
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

## **GPS**

- KAREL
- PROFEN
- PAVOTEK
- ASELSAN
- TÜBİTAK SAGE

## **GUIDED WEAPONS**

- ARTRON
- KALE HAVACILIK
- ALTAY
- MAKTEL
- ROKETSAN
- RST
- YILMAZ
- ASELSAN
- TÜBİTAK SAGE
- MKEK

## **GUNS**

- TİŞAŞ
- GİRSAN
- MILENS
- STOEGER
- OSSA
- ATA ARMS
- İSTANBUL SİLAH
- M-D2
- MAKTEL
- YILMAZ
- ASELSAN
- MKEK

## **HELICOPTER MANUFACTURERS**

- VARZENE
- TURKISH AEROSPACE

## **HOVERCRAFT MANUFACTURERS**

- YILMAZ

## **IFF SYSTEMS**

- HAVELSAN TEKNOLOJİ RADAR
- ALTAY
- ASELSAN
- HAVELSAN
- TÜBİTAK BİLGEM

## **INFORMATION SYSTEMS, DEFENCE ACQUISITION AND SUPPORT**

- KRL
- MILENS
- AKGÜN
- ARGELA
- ICTERRA
- ALTAY
- PROFEN
- SDT
- STM
- TSSK
- YALTES
- CRYPTTECH
- ESAC
- BİTES
- MAY CYBER TECHNOLOGY
- PAPILON
- MENSAN
- PAVOTEK
- HAVELSAN
- CANOVATE
- ONUR
- IPA DEFENCE
- KOÇ
- SIMSOFT
- TÜBİTAK BİLGEM

## **INFRA RED SYSTEMS**

- NERO INDUSTRIES
- FOTONIKS
- ESEN
- SDT

- TSSK
- RST
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

### **IT SYSTEMS: OPERATIONAL**

- MILENS
- AKGÜN
- ARGELA
- ESEN
- ICTERRA
- ALTAY
- MILSOFT
- PROFEN
- STM
- TSSK
- CRYPTTECH
- BİTES
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- OBSS
- PAPILON
- MENSAN
- HAVELSAN
- CANOVATE
- ONUR
- IPA DEFENCE
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **IT SYSTEMS: PROJECT MANAGEMENT**

- MILENS
- AKGÜN
- ICTERRA
- MILSOFT
- PROFEN
- STM
- TSSK
- CRYPTTECH
- BİTES
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- OBSS

- PAPILON
- HAVELSAN
- METEKSAN DEFENCE
- IPA DEFENCE
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **LASER SYSTEMS**

- TSSK
- MAY CYBER TECHNOLOGY
- TRANSVARO
- PAVOTEK
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- SİMSOFT
- TÜBİTAK BİLGEM

### **LIFE SUPPORT SYSTEMS**

- OTOKAR
- MAKEL
- TURMAKS
- OSSA
- IPA DEFENCE

### **LIGHTING SYSTEMS**

- OSSA
- SAVRONİK
- SELEX ES TURKEY

### **LOGISTIC SUPPORT SYSTEMS**

- ÖZTIRYAKILER
- KOYUNCU
- ALTEK
- BİTES
- YAKUPOĞLU
- NUROL MAKİNA

### **MAPPING SYSTEMS**

- ESEN
- OSSA
- STM
- TSSK
- infoTRON
- BİTES

- MAY CYBER TECHNOLOGY
- HAVELSAN
- ANOVA
- TÜBİTAK BİLGEM

### **MESSAGE HANDLING SYSTEMS**

- AKGÜN
- ICTERRA
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- BİTES
- MAY CYBER TECHNOLOGY
- OBSS
- PAVOTEK
- ASELSAN
- HAVELSAN
- KOÇ
- TÜBİTAK BİLGEM

### **MINE CLEARANCE SYSTEMS**

- OTOKAR
- BEST GRUP
- MILENS
- ALTINAY
- ELEKTROLAND DEFENCE
- ALTAY
- ÖSSA
- TSSK
- FNSS
- YILMAZ
- HAVELSAN
- IPA DEFENCE
- MKEK
- NUROL MAKİNA
- TÜBİTAK BİLGEM

### **MINE COUNTERMEASURES SYSTEMS**

- MILENS
- ALTINAY
- MENSAN
- ASELSAN
- METEKSAN DEFENCE
- NUROL MAKİNA
- TÜBİTAK BİLGEM

### **MINES**

- MILENS
- TURMAKS
- KOÇ
- MKEK

### **MISSILE MANUFACTURERS**

- ROKETSAN
- TÜBİTAK SAGE
- MKEK

### **NETWORK ENABLED CAPABILITY**

- MILENS
- ARGELA
- ESEN
- ICTERRA
- MİLSOFT
- SELEX ES TURKEY
- STM
- BİTES
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- ONUR
- IPA DEFENCE
- SIMSOFT
- TÜBİTAK BİLGEM

### **OPERATIONAL DATA**

- KRL
- MILENS
- AKGÜN
- ICTERRA
- CRYPTTECH
- ESAC
- MAY CYBER TECHNOLOGY
- OBSS
- ASELSAN
- HAVELSAN
- IPA DEFENCE
- KOÇ

### **OPTICAL**

- FOTONIKS
- MILENS
- ESEN
- ASELSAN SIVAS
- BARTEZ
- MAY CYBER TECHNOLOGY
- TRANSVARO
- ASELSAN
- CANOVATE
- IPA DEFENCE
- TÜBİTAK BİLGEM

### **RADAR SYSTEMS: AEROSPACE**

- ISISO
- ESEN
- ALTAY
- SDT
- TSSK
- TRANSVARO
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- CTECH
- TÜBİTAK BİLGEM

### **RADAR SYSTEMS: LAND**

- MILENS
- HAVELSAN TEKNOLOJİ RADAR
- STM
- TSSK
- MAY CYBER TECHNOLOGY
- RST
- TRANSVARO
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION - SEE COMMUNICATION**

- MILENS
- ATEL
- ALTAY
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- TSSK

- DESİ
- MAY CYBER TECHNOLOGY
- PAVOTEK
- ASELSAN
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **REMOTE CONTROL**

- OTOKAR
- NERO INDUSTRIES
- BEST GRUP
- MILENS
- ALTINAY
- KATMERCİLER
- SDT
- SELEX ES TURKEY
- MENSAN
- PAVOTEK
- ASELSAN
- CANOVATE
- FİGES
- TÜBİTAK BİLGEM

### **REMOTE CONTROL: AIRCRAFT - SEE ALSO UAV SYSTEMS**

- MILENS
- ALTINAY
- TSSK
- MENSAN
- VESTEL DEFENCE INDUSTRY
- HAVELSAN
- METEKSAN DEFENCE
- ALTOY

### **REMOTE CONTROL: BOATS, ROVS**

- MILENS
- ALTAY
- OBSS
- MENSAN
- ASELSAN
- HAVELSAN
- TÜBİTAK MAM

### **REMOTE CONTROL: UNMANNED UNDERWATER VEHICLES (UMVS)**

- MILENS
- TSSK
- OBSS
- RST
- MENSAN
- ASELSAN
- HAVELSAN

### **REMOTE CONTROL: VEHICLES**

- OTOKAR
- BEST GRUP
- MILENS
- ALTINAY
- ELEKTROLAND DEFENCE
- KATMERCİLER
- SDT
- TSSK
- MENSAN
- PAVOTEK
- TÜBİTAK MAM
- FİGES
- NUROL MAKİNA

### **RF JAMMER SYSTEMS**

- MILENS
- ATEL
- ESEN
- SDT

### **SAR**

- GRUP İMPEKS
- ESEN
- SDT
- TSSK
- RST
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

### **SATELLITE**

- ARGELA
- ESEN
- OSSA
- PROFEN
- SDT
- STM

- TSSK
- VARZENE
- ASELSAN
- NETA ELEKTRONİK
- TURKISH AEROSPACE
- CTECH

### **SECURITY**

- GRUP İMPEKS
- MILENS
- ARGELA
- ELEKTROLAND DEFENCE
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- MILSOFT
- NORM TECHNOLOGIES
- PROFEN
- SELEX ESTURKEY
- TSSK
- CRYPTTECH
- DEŞİ
- ESAC
- infoTRON
- ASELSAN SİVAS
- BARTEZ
- MAY CYBER TECHNOLOGY
- NUROL TECHNOLOGIES
- OBSS
- PAPILON
- TRANSVARO
- MENSAN
- PAVOTEK
- SAYTEC
- ASELSAN
- TÜBİTAK MAM
- CTECH

### **SHIPBUILDING - SEE ALSO WARSHIPS**

- DEARSAN
- DESAN SHIPYARD
- SELAH SHIPYARD
- ARES SHIPYARD
- RMIK MARINE
- STM
- ALTEK

- ANADOLU SHIPYARD
- VARZENE
- İSTANBUL SHIPYARD

### **SIMULATOR**

- AKGÜN
- AMEGA
- CEY SAVUNMA
- ALTAY
- MILSOFT
- SDT
- TSSK
- infoTRON
- BİTES
- FNSS
- MENSAN
- ASELSAN
- HAVELSAN
- CANOVATE
- CTECH
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: AIR COMBAT**

- AMEGA
- SDT
- TSSK
- infoTRON
- BİTES
- MENSAN
- HAVELSAN
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: AIR DEFENCE**

- ALTAY
- SDT
- TSSK
- GÖKSER
- infoTRON
- BİTES
- ASELSAN
- HAVELSAN
- CTECH
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: AIR TRAFFIC CONTROL**

- AYESAŞ
- ALTAY
- TSSK
- infoTRON
- BİTES
- HAVELSAN
- ANOVA
- TÜBİTAK BİLGEM

### **SIMULATOR: DRIVING**

- AMEGA
- TSSK
- GÖKSER
- infoTRON
- MENSAN
- HAVELSAN
- SİMSOFT

### **SIMULATOR: FLIGHT CONTROL**

- AYESAŞ
- ALTAY
- TSSK
- infoTRON
- MENSAN
- TÜBİTAK BİLGEM

### **SIMULATOR: GUNFIRE**

- SAVRONİK
- SDT
- infoTRON
- BİTES
- ASELSAN
- HAVELSAN
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: INFANTRY**

- ETA
- infoTRON
- ASELSAN
- HAVELSAN
- SİMSOFT

### **SIMULATOR: MAINTENANCE**

- AMEGA
- ALTAY
- TSSK
- infoTRON
- BİTES
- HAVELSAN
- SİMSOFT

### **SIMULATOR: MINEFIELD / MINE CLEARANCE**

- ALTAY
- İPA DEFENCE
- SİMSOFT

### **SIMULATOR: OPERATIONAL**

- AMEGA
- CEY SAVUNMA
- ALTAY
- SAVRONİK
- SDT
- TSSK
- infoTRON
- ASELSAN
- HAVELSAN
- CTECH
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: RADAR**

- CEY SAVUNMA
- ETA
- ALTAY
- TSSK
- infoTRON
- RST
- HAVELSAN
- METEKSAN DEFENCE
- ANOVA
- CTECH
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: SHIP MODELLING**

- ALTAY
- infoTRON
- ASELSAN

- SİMSOFT

### **SIMULATOR: SHIP PROPULSION MACHINERY**

- ALTAY
- SİMSOFT
- TÜBİTAK BİLGEM

### **SIMULATOR: TRAINING SONAR**

- ETA
- ALTAY
- infoTRON
- ASELSAN
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **SURVEILLANCE**

- OTOKAR
- AYESAŞ
- FOTONİKS
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- MİLSOFT
- PROFEN
- STM
- TSSK
- ASELSAN SİVAS
- PAPILON
- PAVOTEK
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- ALTOY

### **SURVEILLANCE: AEROSPACE**

- ALTINAY
- ESEN
- MİLSOFT
- PROFEN
- TSSK
- PAPILON
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- TURKISH AEROSPACE



- ANOVA

### **SURVEILLANCE: LAND BASED**

- OTOKAR
- AYESAŞ
- MILENS
- ALTINAY
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- MILSOFT
- PROFEN
- SAVRONİK
- TSSK
- BARTEZ
- BİTES
- FNSS
- PAPILON
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- ALTOY
- FİGES
- TÜBİTAK BİLGEM

### **SURVEILLANCE: MARITIME**

- AYESAŞ
- AYYAZILIM
- ESEN
- ALTAY
- MILSOFT
- PROFEN
- TSSK
- YALTES
- PAPILON
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- ALTOY
- KOÇ
- TÜBİTAK BİLGEM

### **SURVEILLANCE: SECURITY**

- GRUP IMPEKS
- MILENS
- ESEN

- HAVELSAN TEKNOLOJİ RADAR
- MILSOFT
- PROFEN
- SELEX ESTURKEY
- TSSK
- PAPILON
- PAVOTEK
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- ALTOY

### **SURVEILLANCE: SHIP BORNE**

- ESEN
- MILSOFT
- PROFEN
- TSSK
- PAPILON
- ASELSAN
- METEKSAN DEFENCE
- SİMSOFT
- TÜBİTAK BİLGEM

### **TACTICAL INFORMATION**

- ALTAY
- MILSOFT
- PROFEN
- TSSK
- BARTEZ
- BİTES
- HAVELSAN
- METEKSAN DEFENCE
- ALTOY
- CTECH
- SİMSOFT
- TÜBİTAK BİLGEM

### **TANK MANUFACTURE - SEE ALSO VEHICLES**

- OTOKAR
- MATEŞ
- AKKAR
- BARTEZ
- FNSS
- MAKTEL
- YILMAZ

- VARZENE

### **TANK SYSTEMS MANUFACTURE**

- OTOKAR
- AKKAR
- FNSS
- ILERI GROUP
- YILMAZ
- MENSAN
- VARZENE
- ANOVA
- NUROL MAKİNA

### **TEST EQUIPMENT**

- AYESAŞ
- ISISO
- AKKAR
- AKANA
- ALTINAY
- ARTRON
- ETA
- OSSA
- SELEX ES TURKEY
- TSSK
- ESAC
- GÖKSER
- infoTRON
- M-D2
- SPARK
- MENSAN
- VARZENE
- ASELSAN
- ANOVA
- FİGES
- KOÇ
- SİMSOFT

### **TRACKED VEHICLE SYSTEMS**

- OTOKAR
- HIDROAN
- HST
- BARTEZ
- FNSS
- ILERI GROUP
- YILMAZ
- ASELSAN

### **UAV SYSTEMS**

- AKKAR
- ALTINAY
- ARTRON
- ESEN
- PROFEN
- SAVRONİK
- STM
- COŞKUNÖZ
- MENSAN
- PAVOTEK
- VESTEL DEFENCE INDUSTRY
- CANOVATE
- TURKISH AEROSPACE
- ALTOY
- CTECH

### **UNMANNED GROUND VEHICLES**

- AKKAR
- ALTINAY
- ARTRON
- ELEKTROLAND DEFENCE
- BARTEZ
- YILMAZ
- MENSAN
- TÜBİTAK MAM
- ANOVA
- NUROL MAKİNA

### **VEHICLE SYSTEMS INTEGRATION**

- OTOKAR
- NERO INDUSTRIES
- BEST GRUP
- MILENS
- ELEKTROLAND DEFENCE
- ESEN
- HIDROAN
- KATMERCİLER
- NORM TECHNOLOGIES
- PROFEN
- ESAC
- KOLUMAN
- M-D2
- BARTEZ
- FNSS
- ROKETSAN

- PAVOTEK
- ASELSAN
- IPA DEFENCE
- ANOVA
- CTECH
- FİGES
- NUROL MAKİNA
- Pİ MAKİNA

### **VEHICLES MANUFACTURE**

- OTOKAR
- GÜRSAŞ
- TURMAKS
- BMC
- KATMERCİLER
- NORM TECHNOLOGIES
- ALTEK
- BARTEZ
- FNSS
- HEMA ENDÜSTRİ
- ILERI GROUP
- MAKTEL
- NUROL TECHNOLOGIES
- YILMAZ
- VARZENE
- NUROL MAKİNA
- Pİ MAKİNA

### **VEHICLES: ARMoured, SPECIAL MILITARY, SECURITY**

- OTOKAR
- BEST GRUP
- GRUP IMPEKS
- MILENS
- YOL-BAK
- AYYAZILIM
- BMC
- HIDROAN
- KATMERCİLER
- NORM TECHNOLOGIES
- KOLLUMAN
- ASELSAN SİVAS
- BARTEZ
- FNSS
- ILERI GROUP
- NUROL TECHNOLOGIES
- YILMAZ

- IPA DEFENCE
- NUROL MAKİNA
- Pİ MAKİNA

### **VEHICLES: COMMERCIAL, LOGISTIC, GENERAL SERVICE AN**

- OTOKAR
- MILENS
- BMC
- HIDROAN
- KATMERCİLER
- NORM TECHNOLOGIES
- ESAC
- KOLLUMAN
- KOYUNCU
- BARTEZ
- FNSS
- HEMA ENDÜSTRİ
- NUROL TECHNOLOGIES
- NUROL MAKİNA
- Pİ MAKİNA

### **VEHICLES: ELECTRIC**

- OTOKAR
- BEST GRUP
- ARTRON
- KATMERCİLER
- SIEMENS
- PAVOTEK
- VARZENE
- ASELSAN
- TÜBİTAK MAM
- NUROL MAKİNA

### **VEHICLES: SPECIAL PURPOSE, FIRE FIGHTING, AMBULANC**

- OTOKAR
- BEST GRUP
- GRUP IMPEKS
- HIDROAN
- KATMERCİLER
- NORM TECHNOLOGIES
- M-D2
- BARTEZ
- FNSS
- VARZENE

- NUROL MAKİNA
- Pİ MAKİNA

### **VEHICLES: TRACKED**

- OTOKAR
- BEST GRUP
- KATMERCİLER
- BARTEZ
- FNSS
- HEMA ENDÜSTRİ
- NUROL TECHNOLOGIES
- VARZENE
- Pİ MAKİNA

### **WARSHIPS - SEE SHIP BUILDING AND BOAT BUILDING**

- DEARSAN
- DESAN SHIPYARD
- RINK MARINE
- İŞBİR
- ALTEK
- ANADOLU SHIPYARD
- MAKTEL
- VARZENE
- İSTANBUL SHIPYARD
- FİGES
- YONCA-ONUİK



# COMPONENTS AND EQUIPMENTS

# COMPONENTS AND EQUIPMENTS

## ABRASIVES

- BEST GRUP
- AKKAR
- ASELSAN

## AERIALS - SEE ALSO RADAR, COMMUNICATIONS

- PEGASUS
- PROFEN
- TSSK
- MENSAN
- TÜBİTAK BİLGEM

## AIRCRAFT

- PEGASUS
- C.E.S.
- ALTINAY
- ARTRON
- ESEN
- TSSK
- GÖKSER
- ALTEK
- COŞKUNÖZ
- MAKTEL
- SERPA
- MENSAN
- PAVOTEK
- VARZENE
- ALP AVIATION
- TURKISH AEROSPACE
- ALTOY

## AIRCRAFT GROUND EQUIPMENT

- PEGASUS
- MATEŞ
- AKKAR
- ALTINAY
- KALE HAVACILIK
- GÖKSER
- COŞKUNÖZ
- MAKTEL
- MENSAN
- ALTOY

## AIRCRAFT GROUND SUPPLY EQUIPMENT

- PEGASUS

- MATEŞ
- GÖKSER
- COŞKUNÖZ
- ILERI GROUP
- MAKTEL
- MENSAN
- ALTOY

## AIRCRAFT: ARMAMENTS AND EQUIPMENT

- AYESAŞ
- MILENS
- ALTINAY
- GÖKSER
- SAM SUN YURT SAVUNMA
- MENSAN
- ANOVA

## AIRCRAFT: EJECTION SYSTEMS

- ALTINAY
- MAKTEL
- ALP AVIATION

## AIRCRAFT: ENGINES

- MAK SAVUNMA
- PEGASUS
- AKKAR
- TSSK
- ESAC
- HEMA ENDÜSTRİ
- SERPA
- MENSAN
- ALP AVIATION
- ALTOY
- TEI

## AIRCRAFT: INSTRUMENTS

- PEGASUS
- GÜRSAŞ
- ARTRON
- ESEN
- KALE HAVACILIK
- KAYALAR
- COŞKUNÖZ
- MENSAN
- ALTOY
- TÜBİTAK BİLGEM

### **AIRCRAFT: INTERIOR TRIM**

- C.E.S.
- KRL
- ODAK
- GÖKSER
- ILERI GROUP
- SERPA
- MENSAN
- VARZENE
- TÜBİTAK MAM

### **AIRCRAFT: LANDING GEAR**

- PEGASUS
- AKKAR
- ALTINAY
- MES MAKİNA
- HEMA ENDÜSTRİ
- MENSAN
- ALP AVIATION

### **AIRCRAFT: NAVIGATION**

- PEGASUS
- ESEN
- STM
- TSSK
- ESAC
- MENSAN
- VARZENE
- ASELSAN
- ALTOY

### **AIRCREW CLOTHING - SEE ALSO CLOTHING**

- GRUP İMPEKS
- MILENS
- AVS
- RAFF MILITARY TEXTILE
- IPA DEFENCE

### **ALLOYS - SEE ALSO METALS**

- MAK SAVUNMA
- GÜRSAŞ
- ÜNİMETAL
- MES MAKİNA
- OSSA
- SERPA

- MENSAN
- ASELSAN
- TÜBİTAK MAM
- TÜBİTAK SAGE
- IPA DEFENCE
- ANOVA

### **ALTERNATORS - SEE ALSO GENERATORS**

- PEGASUS
- MAKEL
- OSSA
- MAKTEL
- MENSAN
- IPA DEFENCE
- ANOVA

### **ALUMINIUM MANUFACTURING**

- MAK SAVUNMA
- GÜRSAŞ
- ÜNİMETAL
- MATEŞ
- KALE HAVACILIK
- MES MAKİNA
- OSSA
- TUĞÇELİK
- ESAC
- HST
- ALTEK
- COŞKUNÖZ
- HEMA ENDÜSTRİ
- SAMSUN YURT SAVUNMA
- SERPA
- MENSAN
- VARZENE
- TÜBİTAK MAM
- IPA DEFENCE
- ANOVA

### **ANTENNAE - SEE ALSO AERIALS**

- MILENS
- ALTINAY
- ATEL
- ETA
- TSSK
- MAY CYBER TECHNOLOGY
- MENSAN



- ASELSAN
- METEKSAN DEFENCE
- NETA ELEKTRONİK
- İPA DEFENCE
- TÜBİTAK BİLGEM

### **ANTI-STATIC MATERIALS**

- MAY CYBER TECHNOLOGY
- ÖZTEK TEXTILE
- VARZENE
- TÜBİTAK MAM

### **ARMOUR PLATE**

- C.E.S.
- BEST GRUP
- GRUP İMPEKS
- AVS
- NORM TECHNOLOGIES
- ODAK
- BARIŞ
- BARTEZ
- NUROL TECHNOLOGIES
- ÖZTEK TEXTILE
- ROKETSAN
- MENSAN
- VARZENE
- TÜBİTAK MAM
- NUROL MAKİNA

### **ARMOURED GLASS**

- BEST GRUP
- GRUP İMPEKS
- AVS
- OSSA
- ADA
- BARTEZ
- NUROL TECHNOLOGIES
- MENSAN
- VARZENE
- TÜBİTAK MAM
- NUROL MAKİNA

### **ARMOURED PROTECTION COMPONENTS**

- C.E.S.
- BEST GRUP
- GRUP İMPEKS

- YOL-BAK
- AVS
- KATMERCİLER
- ODAK
- BARIŞ
- BARTEZ
- COŞKUNÖZ
- NUROL TECHNOLOGIES
- ÖZTEK TEXTILE
- MENSAN
- TÜBİTAK MAM
- NUROL MAKİNA

### **AUTOPILOTS**

- ALTINAY
- ARTRON
- ESEN
- TSSK
- MENSAN
- VESTEL DEFENCE INDUSTRY
- TURKISH AEROSPACE
- ALTOY

### **AUXILIARY POWER SUPPLIES AND EQUIPMENTS**

- PEGASUS
- NERO INDUSTRIES
- KRL
- GRUP İMPEKS
- MAKEL
- ETA
- SELEX ES TURKEY
- SIEMENS
- TSSK
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- TÜBİTAK MAM

### **AVIONICS**

- PEGASUS
- AYESAŞ
- FOTONIKS
- İSİS
- ALTINAY

- ARTRON
- ATEL
- ESEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- ESAC
- MENSAN
- PAVOTEK
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- METEKSAN DEFENCE
- TURKISH AEROSPACE
- ALTOY
- ANOVA
- TÜBİTAK BİLGEM

### **BALLISTIC VESTS**

- MILENS
- AVS
- NORM TECHNOLOGIES
- OSSA
- BARTEZ
- NUROL TECHNOLOGIES
- PAPILON
- CANOVATE

### **BALLISTICS HELMETS TEST SYSTEMS**

- C.E.S.
- GRUP IMPEKS
- MILENS
- AVS
- BARIŞ
- BARTEZ
- PAPILON
- RAFF MILITARY TEXTILE
- MENSAN
- IPA DEFENCE

### **BATTERIES**

- PEGASUS
- GRUP IMPEKS
- MILENS
- ALTINAY

- OSSA
- SIEMENS
- TSSK
- ASPILSAN ENERGY
- RAFF MILITARY TEXTILE
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- TÜBİTAK MAM
- TÜBİTAK SAGE

### **BEARINGS**

- TİBET
- MAK SAVUNMA
- PEGASUS
- AKKAR
- MENSAN
- VARZENE

### **BINOCULARS, MONOCULARS**

- PEGASUS
- ÜNİMETAL
- MILENS
- AVS
- ASELSAN SİVAS
- TRANSVARO
- MENSAN
- ASELSAN
- CANOVATE
- TÜBİTAK MAM

### **BOMB CARRIERS**

- MILENS
- ALTINAY
- YILMAZ
- MENSAN
- IPA DEFENCE
- ANOVA

### **BOMB DISPOSAL EQUIPMENT**

- C.E.S.
- MILENS
- ALTINAY
- ELEKTROLAND DEFENCE
- GÖKSER
- M-D2

- BARTEZ
- ROKETSAN
- YILMAZ
- MENSAN
- IPA DEFENCE

### **BOMB DISPOSAL PROTECTION EQUIPMENT AND CLOTHING - SEE ALSO CLOTHING**

- MILENS
- AVS
- NORM TECHNOLOGIES
- M-D2
- MENSAN
- IPA DEFENCE

### **BOOTS AND SHOES - SEE ALSO FOOTWEAR, CLOTHING**

- AVS
- NORM TECHNOLOGIES
- OSSA
- RAFF MILITARY TEXTILE
- IPA DEFENCE

### **BRAKES**

- PEGASUS
- ASSAN
- HEMA ENDÜSTRİ
- VARZENE
- ALP AVIATION

### **BRIDGING EQUIPMENT, MOBILE, PORTABLE**

- MENSAN

### **BUILD-TO-PRINT ELECTRO/MECHANICAL EQUIPMENT**

- ALTINAY
- ELEKTROLAND DEFENCE
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- ALP AVIATION
- ASELSAN
- TÜBİTAK MAM
- TTAF DEFENCE

### **BOYS AND NAVIGATION MARKERS – SEE ALSO NAVIGATION EQUIPMENT**

- ASELSAN

- KOÇ

### **CABLES**

- MAK SAVUNMA
- PEGASUS
- AYESAŞ
- NERO INDUSTRIES
- GRUP IMPEKS
- HAVELSAN TEKNOLOJİ RADAR
- OSSA
- SDT
- MAY CYBER TECHNOLOGY
- MENSAN
- ULUS ELEKTRONİK
- IPA DEFENCE
- ANOVA
- TTAF DEFENCE

### **CABLES: ELECTRONIC**

- MAK SAVUNMA
- PEGASUS
- AYESAŞ
- NERO INDUSTRIES
- BEST GRUP
- GRUP IMPEKS
- MILENS
- ATEL
- HAVELSAN TEKNOLOJİ RADAR
- ME-GE TEKNİK
- OSSA
- PROFEN
- SDT
- TSSK
- ESAC
- MAY CYBER TECHNOLOGY
- ULUS ELEKTRONİK
- CANOVATE
- TÜBİTAK SAGE
- ANOVA
- TTAF DEFENCE

### **CABLES: HAWSERS/ WIRE ROPES**

- MAK SAVUNMA
- PEGASUS
- GRUP IMPEKS
- OSSA

- ULUS ELEKTRONİK
- TTAF DEFENCE

### **CABLES: OPTICAL**

- AYESAŞ
- GRUP IMPEKS
- MILENS
- PROFEN
- SDT
- TSSK
- MAY CYBER TECHNOLOGY
- ULUS ELEKTRONİK
- CANOVATE
- IPA DEFENCE
- TTAF DEFENCE

### **CALIBRATION DEVICES**

- infoTRON
- BARTEZ
- TÜBİTAK SAGE

### **CAMERAS**

- FOTONIKS
- BEST GRUP
- MILENS
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- PROFEN
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- TRANSVARO
- MENSAN
- ASELSAN
- CANOVATE
- TÜBİTAK MAM
- IPA DEFENCE

### **CARBON MANUFACTURE AND PRODUCTS**

- C.E.S.
- MAKEL
- ALTINAY
- NORM TECHNOLOGIES
- ODAK
- BARIŞ
- ASELSAN

- TÜBİTAK MAM
- FİGES

### **CASTINGS**

- MAK SAVUNMA
- GÜRSAŞ
- ÜNİMETAL
- OSSA
- HEMA ENDÜSTRİ
- SERPA
- MENSAN
- TÜBİTAK MAM
- FİGES
- TEI

### **CBRN D ETECTION/ PROTECTION EQUIPMENT**

- NERO INDUSTRIES
- GRUP IMPEKS
- MAKEL
- ELEKTROLAND DEFENCE
- NORM TECHNOLOGIES
- OSSA
- DYD
- ÖZTEK TEXTILE
- ASELSAN
- TÜBİTAK MAM
- TÜBİTAK BİLGEM

### **CERAMICS**

- BEST GRUP
- TÜBİTAK MAM

### **CHAFF/CHAFF DISPENSERS**

- HAVELSAN TEKNOLOJİ RADAR
- ASELSAN

### **CLOTH MANUFACTURERS**

- GRUP IMPEKS
- MILENS
- AVS
- NORM TECHNOLOGIES
- OSSA
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- MENSAN

- IPA DEFENCE

### **CLOTHING: BOOTS AND SHOES**

- GRUP IMPEKS
- MILENS
- AVS
- OSSA
- RAFF MILITARY TEXTILE
- MENSAN
- IPA DEFENCE
- VANEDA AYAKKABI

### **CLOTHING: GOGGLES**

- GRUP IMPEKS
- MILENS
- AVS
- OSSA

### **CODERS/ENCODERS**

- BEST GRUP
- MAY CYBER TECHNOLOGY
- IPA DEFENCE

### **COMBAT ENGINEERING EQUIPMENT**

- AYESAŞ
- GRUP IMPEKS
- YALTES
- ASELSAN
- IPA DEFENCE
- ANOVA

### **COMMUNICATION EQUIPMENT**

- PEGASUS
- AYESAŞ
- GÜRSAŞ
- MILENS
- ARGELA
- ARTRON
- ATEL
- ALTAY
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- TSSK
- MAY CYBER TECHNOLOGY
- ASELSAN

- METEKSAN DEFENCE
- ONUR
- IPA DEFENCE
- KOÇ
- TÜBİTAK BİLGEM

### **COMPOSITE MATERIALS**

- C.E.S.
- AYESAŞ
- GRUP IMPEKS
- ALTINAY
- ODAK
- OSSA
- RAYON
- TSSK
- DYO
- infoTRON
- BARIŞ
- COŞKUNÖZ
- NUROL TECHNOLOGIES
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- TÜBİTAK MAM
- TÜBİTAK SAGE
- ALTOY
- ANOVA
- FİGES

### **COMPUTER COMPONENTS**

- PEGASUS
- BEST GRUP
- MILENS
- AKGÜN
- TSSK
- MAY CYBER TECHNOLOGY
- ASELSAN
- KOÇ

### **COMPUTERS**

- BEST GRUP
- MILENS
- AKGÜN
- ARTRON
- ATEL
- ESEN

- TSSK
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- KOÇ

### **CONNECTORS**

- PEGASUS
- AYESAŞ
- KRL
- BEST GRUP
- MILENS
- MES MAKİNA
- OSSA
- SIEMENS
- ASELSAN
- ANOVA

### **CONTAINER AND TRAILER TYPE**

- TURMAKS
- ÖZTİRYAKİLER
- İŞBİR
- COŞKUNÖZ
- PAGETEL

### **CONTAINERS**

- GRUP IMPEKS
- MILENS
- TURMAKS
- GÖKSER
- KOYUNCU
- M-D2
- ANADOLU SHIPYARD
- PAGETEL

### **CONTROL PANELS**

- PEGASUS
- ÖTOKAR
- KRL
- GÜRSAŞ
- ÜNİMETAL
- MILENS
- ALTINAY
- ARTTRON
- ATEL
- ETA

- HAVELSAN TEKNOLOJİ RADAR
- SAVRONİK
- SDT
- SELEX ES TURKEY
- SIEMENS
- TSSK
- DESİ
- MENSAN
- ASELSAN
- ANOVA
- FİGES
- KOÇ
- TTAF DEFENCE

### **CONVERTERS**

- PEGASUS
- NERO INDUSTRIES
- GÜRSAŞ
- MILENS
- OSSA
- VARZENE
- ASELSAN
- ANOVA

### **COOKERS - SEE ALSO FIELD KITCHENS**

- ÖZTİRYAKİLER

### **COOLERS**

- NERO INDUSTRIES
- GRUP IMPEKS
- ISISO
- OSSA
- GÖKSER
- CANOVATE
- ANOVA

### **CORROSION INHIBITION/TREATMENT**

- TSSK
- DYO
- COŞKUNÖZ
- ÖZTEK TEXTİLE
- VARZENE
- ASELSAN
- TÜBİTAK MAM

### **COUNTERMEASURES EQUIPMENT**

- ESEN
- RST
- MENSAN
- ASELSAN
- KOÇ
- TÜBİTAK BİLGEM

### **CRYOGENIC EQUIPMENT**

- MENSAN
- VARZENE
- ALTOY

### **DECOMPRESSION CHAMBERS**

- MENSAN

### **DECONTAMINATION EQUIPMENT**

- GRUP İMPEKS
- NORM TECHNOLOGIES
- M-D2
- MENSAN

### **DEMOLITION EQUIPMENT**

- ALTINAY
- M-D2
- MENSAN

### **DIESEL ENGINES**

- PEGASUS
- GRUP İMPEKS
- MTU
- OSSA
- HEMA ENDÜSTRİ
- TÜBİTAK MAM

### **DIGITAL RECEIVERS**

- PEGASUS
- PROFEN
- SELEX ES TURKEY
- TSSK
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

### **DIRECTION FINDERS**

- ESEN

- TSSK
- MENSAN
- ASELSAN
- METEKSAN DEFENCE
- KOÇ
- TÜBİTAK BİLGEM

### **DISPLAYS**

- OTOKAR
- GÜRSAŞ
- AKGÜN
- ALTAY
- SIEMENS
- TSSK
- infoTRON
- MAY CYBER TECHNOLOGY
- MENSAN
- ASELSAN
- TÜBİTAK MAM

### **DISPLAYS: FLAT İPANEL/GRAPHIC**

- OTOKAR
- MILENS
- ESEN
- infoTRON
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN

### **DISPLAYS: HEAD UP/HELMET MOUNTED**

- FOTONIKS
- MILENS
- ASELSAN
- HAVELSAN

### **DISPLAYS: MOVING MAP/TERRAIN/GIS**

- AVESAŞ
- MILENS
- ESEN
- ALTAY
- STM
- BİTES
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN
- SİMSOFT

### **DISPLAYS: PLASMA/F CRT, DIGITAL**

- MILENS
- AKGÜN
- HAVELSAN TEKNOLOJİ RADAR
- infoTRON
- MAY CYBER TECHNOLOGY
- ASELSAN
- TÜBİTAK MAM

### **DISTANCE MEASURING EQUIPMENT**

- FOTONIKS
- ESEN
- TSSK
- MAY CYBER TECHNOLOGY
- MENSAN
- ASELSAN

### **DRIVE SIMULATORS**

- ALTINAY
- SIEMENS
- infoTRON
- BİTES
- MENSAN
- SİMSOFT
- TÜBİTAK BİLGEM

### **EJECTOR SEAT**

- ALP AVIATION

### **ELECTRIC MOTORS**

- PEGASUS
- GRUP IMPEKS
- OSSA
- SIEMENS
- TSSK
- MAKTEL
- MENSAN
- ASELSAN
- TÜBİTAK MAM
- ALTOY
- ANOVA
- FİGES

### **ELECTRIC POWER CABLES**

- PEGASUS

- GRUP IMPEKS
- OSSA
- SAVRONİK
- MAY CYBER TECHNOLOGY
- ULUS ELEKTRONİK
- TTAF DEFENCE

### **ELECTRIC POWER SUPPLY EQUIPMENT**

- PEGASUS
- GRUP IMPEKS
- MILENS
- ME-GE TEKNİK
- OSSA
- SAVRONİK
- SELEX ES TURKEY
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- ULUS ELEKTRONİK
- ASELSAN
- CANOVATE
- TÜBİTAK MAM
- TÜBİTAK BİLGEM

### **ELECTRICAL COMPONENTS**

- PEGASUS
- AYESAŞ
- KRL
- BEST GRUP
- GRUP IMPEKS
- MILENS
- ALTINAY
- ATEL
- HAVELSAN TEKNOLOJİ RADAR
- OSSA
- SAVRONİK
- SIEMENS
- TSSK
- MAKTEL
- MAY CYBER TECHNOLOGY
- ULUS ELEKTRONİK
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK MAM
- ANOVA
- TTAF DEFENCE



## **ELECTRO OPTICAL EQUIPMENT AND ENGINEERING**

- PEGASUS
- OTOKAR
- AYESAŞ
- FOTONİKS
- GRUP İMPEKS
- MILENS
- ALTINAY
- ESEN
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- PAPILON
- RST
- TRANSVARO
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- İPA DEFENCE
- FİGES
- TÜBİTAK BİLGEM

## **ELECTROMAGNETIC SHIELDING / PROTECTION EQUIPMENT**

- ATEL
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- ULLUS ELEKTRONİK
- ASELSAN
- TÜBİTAK MAM

## **ELECTRONIC**

- PEGASUS
- OTOKAR
- AYESAŞ
- GRUP İMPEKS
- ALTINAY
- ARTRON
- ATEL
- ESEN
- ETA
- OSSA
- SELEX ES TURKEY

- SIEMENS
- TSSK
- DEŞİ
- ESAC
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- ULLUS ELEKTRONİK
- ASELSAN
- CANOVATE
- NETA ELEKTRONİK
- ANOVA
- KOÇ

## **ELECTRONIC: COUNTERMEASURES EQUIPMENT**

- GRUP İMPEKS
- ATEL
- ESEN
- TSSK
- MAY CYBER TECHNOLOGY
- RST
- ASELSAN
- KOÇ
- TÜBİTAK BİLGEM

## **ELECTRONIC: POWER SUPPLIES**

- PEGASUS
- MILENS
- ALTINAY
- ESEN
- ETA
- ME-GE TEKNİK
- OSSA
- SELEX ES TURKEY
- SIEMENS
- TSSK
- İŞBİR
- MAY CYBER TECHNOLOGY
- ULLUS ELEKTRONİK
- ASELSAN
- METEKSAN DEFENCE
- NETA ELEKTRONİK
- TÜBİTAK MAM
- TÜBİTAK BİLGEM

## **ELECTRONIC: RIGID & FLEXIBLE PRINTED CIRCUIT BOARD**

- PEGASUS
- GRUP IMPEKS
- MILENS
- ALTINAY
- ATEL
- ESEN
- TSSK
- MAY CYBER TECHNOLOGY
- ASELSAN
- METEKSAN DEFENCE
- NETA ELEKTRONİK
- TÜBİTAK BİLGEM

### **ELECTRONIC: TEST EQUIPMENT**

- OTOKAR
- AYESAŞ
- GRUP IMPEKS
- MILENS
- ALTINAY
- ARTRON
- ETA
- ME-GE TEKNİK
- OSSA
- SDT
- SELEX ES TURKEY
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- SPARK
- ULUS ELEKTRONİK
- ASELSAN
- ANOVA
- FİGES
- KOÇ
- TÜBİTAK BİLGEM

### **EXPLOSIVE: ORDNANCE DISPOSAL**

- MILENS
- AKANA
- ALTINAY
- ELEKTROLAND DEFENCE
- ROKETSAN
- MENSAN
- ASELSAN

### **EXPLOSIVES**

- MILENS
- ALTINAY
- TURAC
- ROKETSAN
- MENSAN
- TÜBİTAK MAM
- IPA DEFENCE
- MKEK

### **FASTENERS**

- AVS

### **FIBRE OPTICS EQUIPMENT**

- GÜRSAŞ
- GRUP IMPEKS
- MILENS
- ESEN
- PROFEN
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- TRANSVARO
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- TTAF DEFENCE
- TÜBİTAK BİLGEM

### **FIELD KITCHEN EQUIPMENT**

#### **FILTERS**

- GRUP IMPEKS
- MATEŞ
- MAKEL
- ALTINAY
- MES MAKİNA
- NORM TECHNOLOGIES
- ÖZTEK TEXTILE
- ULUS ELEKTRONİK
- ASELSAN
- TÜBİTAK BİLGEM

#### **FLIGHT CLOTHING**

- GRUP IMPEKS
- MILENS

- AVS
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- IPA DEFENCE

### **FUSES**

- ARTRON
- ASSAN
- ALTAY
- SIEMENS
- MENSAN
- TÜBİTAK SAGE
- MKEK

### **GAS MASKS**

- MILENS
- NORM TECHNOLOGIES
- OSSA
- RAFF MILITARY TEXTILE
- IPA DEFENCE
- MKEK

### **GAS TURBINE ENGINES AND ACCESSORIES**

- GRUP IMPEKS
- SIEMENS
- COŞKUNÖZ
- SERPA
- VARZENE
- ANOVA
- TEI

### **GAUGES**

- GRUP IMPEKS
- TSSK
- SAMSUN YURT SAVUNMA
- MENSAN

### **GEARBOXES AND GEARING**

- PEGASUS
- GRUP IMPEKS
- AKKAR
- ALTINAY
- OSSA
- SIEMENS
- HST
- HEMA ENDÜSTRİ

- YILMAZ
- VARZENE
- ALP AVIATION
- ANOVA

### **GENERATORS**

- GRUP IMPEKS
- MILENS
- MAKEL
- MTU
- OSSA
- SIEMENS
- GÖKSER
- İŞBİR
- MAY CYBER TECHNOLOGY
- ASELSAN
- TÜBİTAK MAM

### **GLASS**

- OSSA
- ADA
- BARTEZ
- TÜBİTAK MAM

### **GLOBAL POSITIONING SYSTEM (GPS) EQUIPMENTS**

- PROFEN
- TSSK
- MENSAN
- HAVELSAN
- IPA DEFENCE

### **GUIDED WEAPON SYSTEMS EQUIPMENT**

- PEGASUS
- AKKAR
- ALTINAY
- ARTRON
- ESEN
- TSSK
- COŞKUNÖZ
- REPKON
- ROKETSAN
- YILMAZ
- MENSAN
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK SAGE

- İPA DEFENCE
- ANOVA
- FİGES
- TÜBİTAK BİLGEM

### **GUN BARRELS**

- PEGASUS
- GİRSAN
- MİLENS
- STOEGER
- AKKAR
- MES MAKİNA
- İSTANBUL SİLAH
- REPKON
- SAMSUN YURT SAVUNMA
- MENSAN
- İPA DEFENCE
- MKEK

### **GUNS AND GUN EQUIPMENT**

- PEGASUS
- ÜNİMETAL
- GİRSAN
- BEST GRUP
- MİLENS
- STOEGER
- AKKAR
- OSSA
- ATA ARMS
- GÜVENLİ YAŞAM
- İSTANBUL SİLAH
- COŞKUNÖZ
- SAMSUN YURT SAVUNMA
- SERPA
- YILMAZ
- MENSAN
- ASELSAN
- ANOVA
- MKEK

### **GYROSCOPES**

- PEGASUS
- ETA
- TSSK
- MENSAN
- ASELSAN

- TÜBİTAK SAGE
- ANOVA

### **HARNES**

- PEGASUS
- AYEAŞ
- NERO INDUSTRIES
- BEST GRUP
- ALTINAY
- HAVELSAN TEKNOLOJİ RADAR
- ME-GE TEKNİK
- OSSA
- SDT
- MENSAN
- ASELSAN
- ANOVA
- TTAF DEFENCE

### **HEAD UP DISPLAYS**

- FOTONİKS
- TSSK
- infoTRON
- MENSAN
- İPA DEFENCE
- ANOVA

### **HEADPHONES/HEADSETS**

- MİLENS
- SELEX ES TURKEY
- İPA DEFENCE

### **HELICOPTER SUPPORT EQUIPMENT**

- MATEŞ
- MİLENS
- AKKAR
- ALTINAY
- ESEN
- OSSA
- TSSK
- GÖKSER
- COŞKUNÖZ
- HEMA ENDÜSTRİ
- SAMSUN YURT SAVUNMA
- MENSAN
- İPA DEFENCE
- TÜBİTAK BİLGEM

## **HELMETS**

- C.E.S.
- GRUP IMPEKS
- MILENS
- AVS
- OSSA
- GÜVENLİ YAŞAM
- BARIŞ
- NUROL TECHNOLOGIES
- RAFF MILITARY TEXTILE
- MENSAN
- IPA DEFENCE

## **HOSES AND HOSE ASSEMBLIES**

- PEGASUS
- GRUP IMPEKS
- MATEŞ
- GÖKSER
- MENSAN
- ANOVA

## **HOVERCRAFT**

- YILMAZ

## **ILLUMINATION EQUIPMENT**

- MILENS
- ESEN
- SELEX ES TURKEY
- MENSAN
- MKEK

## **IMAGE PROCESSING EQUIPMENT**

- FOTONIKS
- BEST GRUP
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- SDT
- SIEMENS
- TSSK
- infoTRON
- PAPILON
- CANOVATE
- IPA DEFENCE
- ANOVA
- TÜBİTAK BİLGEM

## **INFANTRY TRAINING EQUIPMENT**

- ETA
- TSSK
- DESİ
- MENSAN
- ASELSAN

## **INTERCOMMUNICATION EQUIPMENT**

- KRL
- MILENS
- ATEL
- SELEX ES TURKEY
- TSSK
- MAY CYBER TECHNOLOGY
- ASELSAN
- TÜBİTAK BİLGEM

## **LAMPS**

- PEGASUS
- MILENS
- OSSA
- SIEMENS
- MAY CYBER TECHNOLOGY
- MENSAN

## **LASER COMPONENTS AND EQUIPMENT**

- FOTONIKS
- BEST GRUP
- MILENS
- TSSK
- MAY CYBER TECHNOLOGY
- MENSAN
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

## **LEATHER AND LEATHER PRODUCTS**

- GRUP IMPEKS
- MILENS
- AVS
- GÜVENLİ YAŞAM
- RAFF MILITARY TEXTILE
- YAKUPOĞLU

## **LUBRICANTS AND LUBRICATION EQUIPMENT**

- MILENS
- KOÇAK
- ANOVA

### **MAGAZINES, AMMUNITION**

- PEGASUS
- MILENS
- İSTANBUL SİLAH
- MENSAN
- ASELSAN
- MKEK

### **MAPPING EQUIPMENT**

- MILENS
- ESEN
- OSSA
- TSSK
- MENSAN

### **MARITIME RECONNAISSANCE EQUIPMENT**

- AYESAŞ
- TSSK
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- HAVELSAN
- METEKSAN DEFENCE
- TÜBİTAK BİLGEM

### **MECHANICAL ENGINEERING EQUIPMENT**

- AYESAŞ
- KRL
- GÜRSAŞ
- ÜNİMETAL
- BEST GRUP
- GRUP İMPEKS
- MILENS
- AKKAR
- AKANA
- ALTINAY
- ESEN
- OERLIKON
- SIEMENS
- TSSK
- ESAC
- infoTRON

- ASELSAN SİVAS
- HEMA ENDÜSTRİ
- REPKON
- SAMSUN YURT SAVUNMA
- SERPA
- ASELSAN
- TÜBİTAK SAGE
- ANOVA
- FIGES

### **MEDICAL EQUIPMENT**

- GRUP İMPEKS
- TURMAKS
- MES MAKİNA
- OSSA
- SIEMENS
- RAFF MILITARY TEXTILE
- SERPA
- VARZENE
- TÜBİTAK MAM
- FIGES

### **METAL/MINE DETECTORS**

- GRUP İMPEKS
- MILENS
- ATEL
- ALTAY
- TSSK
- MENSAN
- TÜBİTAK BİLGEM

### **METALS**

- KRL
- GÜRSAŞ
- ÜNİMETAL
- MILENS
- AKKAR
- ALTINAY
- MES MAKİNA
- TUĞÇELİK
- İLERİ GROUP
- REPKON
- PUNTEL
- VARZENE
- ASELSAN
- TÜBİTAK MAM

- ANOVA

### **METEOROLOGICAL EQUIPMENT**

- RST

### **MICROPROCESSORS**

- PEGASUS
- MILENS
- TSSK

### **MICROWAVE COMPONENTS**

- PEGASUS
- MILENS
- ATEL
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK MAM
- TÜBİTAK BİLGEM

### **MINE CLEARANCE EQUIPMENT**

- BEST GRUP
- MILENS
- ALTINAY
- ELEKTROLAND DEFENCE
- ALTAY
- OSSA
- TSSK
- MENSAN
- TÜBİTAK MAM
- IPA DEFENCE
- MKEK
- TÜBİTAK BİLGEM

### **MINE DETECTORS**

- GRUP IMPEKS
- MILENS
- ALTINAY
- ATEL
- TSSK
- MENSAN
- ASELSAN
- IPA DEFENCE
- TÜBİTAK BİLGEM

### **MINE WARFARE EQUIPMENT**

- MILENS
- ALTINAY
- ALTAY
- MENSAN
- ASELSAN
- IPA DEFENCE
- KOÇ

### **MINEFIELD SIMULATORS**

- MENSAN
- ASELSAN
- IPA DEFENCE
- SIMSOFT

### **MORTARS AND MORTAR LOCATION EQUIPMENT**

- ASSAN
- COŞKUNÖZ
- REPKON
- MENSAN
- ASELSAN
- MKEK

### **MOTORS, ELECTRIC**

- SIEMENS
- TSSK
- MENSAN
- ASELSAN
- ANOVA

### **MOULDINGS - RUBBER, GRP**

- ODAK
- OSSA
- ILERI GROUP
- YILMAZ
- MENSAN
- VARZENE
- TÜBİTAK MAM

### **NANOTECHNOLOGY**

- TURMAKS
- NUROL TECHNOLOGIES
- VARZENE
- TÜBİTAK MAM
- NANOBIZ
- TÜBİTAK BİLGEM

## **NAVIGATION EQUIPMENT**

- MILENS
- ARTRON
- ESEN
- STM
- ALTEK
- ASELSAN
- TÜBİTAK BİLGEM

## **NAVIGATION INSTRUMENTS AND COMPONENTS**

- GÜRSAŞ
- MILENS
- ARTRON
- ESEN
- YALTES
- MAY CYBER TECHNOLOGY
- ASELSAN
- HAVELSAN
- TÜBİTAK BİLGEM

## **NIGHT SIGHTS**

- OTOKAR
- FOTONIKS
- GRUP IMPEKS
- MILENS
- TSSK
- TRANSVARO
- MENSAN
- ASELSAN
- CANOVATE
- IPA DEFENCE

## **OCEANOGRAPHIC SENSORS**

- ASELSAN

## **OPTICAL COMPONENTS**

- AYESAŞ
- FOTONIKS
- GRUP IMPEKS
- MILENS
- ESEN
- SIEMENS
- TSSK
- ASELSAN SİVAS
- BARTEZ

- MAY CYBER TECHNOLOGY
- PAPILON
- TRANSVARO
- MENSAN
- CANOVATE
- TÜBİTAK MAM
- IPA DEFENCE
- FİGES

## **OPTICAL FIBRES**

- AYESAŞ
- GRUP IMPEKS
- MILENS
- MAY CYBER TECHNOLOGY
- ASELSAN
- CANOVATE
- TÜBİTAK MAM
- IPA DEFENCE

## **PERISCOPES**

- OTOKAR
- TRANSVARO
- ASELSAN

## **PISTOLS**

- TİSAŞ
- GİRSAN
- MILENS
- AKKAR
- MES MAKİNA
- SAMSUN YURT SAVUNMA
- SERPA
- YILMAZ
- MENSAN
- VARZENE
- MKEK

## **PLASTICS AND PLASTIC COATED COMPONENTS**

- BEST GRUP
- GRUP IMPEKS
- ALTINAY
- NORM TECHNOLOGIES
- OSSA
- GÜVENLİ YAŞAM
- İLERİ GROUP



- ANOVA

### **PLUGS AND SOCKETS**

- PEGASUS
- GRUP IMPEKS
- MENSAN
- IPA DEFENCE
- ANOVA

### **PRESSINGS**

- C.E.S.
- GRUP IMPEKS
- AKKAR
- MES MAKİNA
- OSSA
- ILERİ GROUP

### **PRINTED CIRCUITS**

- PEGASUS
- GRUP IMPEKS
- ATEL
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- TSSK
- ASELSAN
- ALTOY

### **PROPELLANTS**

- ROKETSAN
- MENSAN
- TÜBİTAK SAGE
- MKEK

### **PROTECTIVE CLOTHING**

- GRUP IMPEKS
- MILENS
- NORM TECHNOLOGIES
- RAYON
- GÜVENLİ YAŞAM
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- MENSAN
- TÜBİTAK MAM
- IPA DEFENCE

### **PYROTECHNICS AND COMPONENTS**

- ROKETSAN
- MENSAN
- TÜBİTAK SAGE
- MKEK

### **RADAR COMPONENTS**

- PEGASUS
- AYESAŞ
- ESEN
- ALTAY
- TSSK
- MAY CYBER TECHNOLOGY
- RST
- SERPA
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE
- IPA DEFENCE
- CTECH
- TÜBİTAK BİLGEM

### **RADAR SIMULATORS**

- CEY SAVUNMA
- ESEN
- ETA
- SDT
- TSSK
- infoTRON
- MAY CYBER TECHNOLOGY
- ASELSAN
- METEKSAN DEFENCE
- CTECH
- SIMSOFT
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION EQUIPMENT**

- AYESAŞ
- MILENS
- ARGELA
- ATEL
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- SIEMENS
- ASELSAN
- METEKSAN DEFENCE

- ONUR
- IPA DEFENCE
- CTECH
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION EQUIPMENT: AEROSPACE**

- ATEL
- ESEN
- ALTAY
- SELEX ES TURKEY
- TSSK
- ASELSAN
- METEKSAN DEFENCE
- ONUR
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION EQUIPMENT: LAND AND COMMERCIAL**

- AYESAŞ
- MILENS
- ATEL
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- SIEMENS
- TSSK
- DESİ
- ASELSAN
- METEKSAN DEFENCE
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION EQUIPMENT: MARITIME**

- AYESAŞ
- ARGELA
- ATEL
- SELEX ES TURKEY
- SIEMENS
- TSSK
- METEKSAN DEFENCE
- ONUR
- CTECH
- TÜBİTAK BİLGEM

### **RADIO COMMUNICATION EQUIPMENT: MULTI-ROLE**

- AYESAŞ
- ARGELA
- ATEL
- PROFEN
- SAVRONİK
- SELEX ES TURKEY
- SIEMENS
- ONUR
- CTECH

### **RADIO FREQUENCY DISTRIBUTION EQUIPMENT**

- ATEL
- PROFEN
- SELEX ES TURKEY
- ASELSAN

### **RADIO FREQUENCY INTERFERENCE, SUPPRESSION, MONITORING EQUIPMENT**

- ATEL
- PROFEN
- SELEX ES TURKEY
- ASELSAN
- TÜBİTAK BİLGEM

### **RANGEFINDERS**

- MILENS
- AVS
- TRANSVARO
- MENSAN
- ASELSAN
- KOÇ

### **RECORDING EQUIPMENT**

- ARTTRON
- HAVELSAN TEKNOLOJİ RADAR
- SDT
- SELEX ES TURKEY
- SIEMENS
- ASELSAN
- ONUR
- IPA DEFENCE
- TÜBİTAK BİLGEM

### **REMOTE CONTROL VEHICLE EQUIPMENT**

- OTOKAR

- BEST GRUP
- GRUP IMPEKS
- MILENS
- ALTINAY
- SDT
- SIEMENS
- METEKSAN DEFENCE
- IPA DEFENCE
- ALTOY
- ANOVA
- FİGES
- TÜBİTAK BİLGEM

### **RIFLES AND SHOTGUNS**

- ÜNİMETAL
- MILENS
- AKKAR
- MES MAKİNA
- OSSA
- REPKON
- SAMSUN YURT SAVUNMA
- MENSAN
- VARZENE
- IPA DEFENCE
- MKEK

### **RIFT/CROWD CONTROL EQUIPMENT**

- MILENS
- NUROL MAKİNA

### **ROBOTICS EQUIPMENT**

- GRUP IMPEKS
- MILENS
- ALTINAY
- TSSK
- MENSAN
- VARZENE
- IPA DEFENCE
- ANOVA
- FİGES
- NUROL MAKİNA

### **ROBOTS AND ROBOTICS**

- BEST GRUP
- GRUP IMPEKS
- MILENS

- ALTINAY
- ALTAY
- CRYPTTECH
- BİTES
- YILMAZ
- MENSAN
- VARZENE
- TÜBİTAK MAM
- ANOVA
- FİGES
- NUROL MAKİNA

### **ROCKET MOTORS**

- MES MAKİNA
- REPKON
- ROKETSAN
- SERPA
- MENSAN
- VARZENE
- MKEK

### **ROCKETS**

- AKKAR
- MES MAKİNA
- REPKON
- ROKETSAN
- SERPA
- MENSAN
- VARZENE
- MKEK

### **RUBBER MOULDINGS, COMPONENTS**

- GÜVENLİ YAŞAM

### **RUGGED COMPUTERS**

- OTOKAR
- ARTRON
- ATEL
- SIEMENS
- MAY CYBER TECHNOLOGY
- ASELSAN
- IPA DEFENCE
- FİGES
- NUROL MAKİNA

### **SEALS**

- TÜBİTAK MAM
- FİGES

### **SEARCH AND RESCUE EQUIPMENT - SEE ALSO SAR**

- GRUP İMPEKS
- ARGELA
- MES MAKİNA
- RST
- MENSAN
- ASELSAN
- CTECH
- TÜBİTAK BİLGEM

### **SECURE COMMUNICATION EQUIPMENT**

- MILENS
- ESEN
- PROFEN
- SELEX ES TURKEY
- SIEMENS
- TSSK
- MAY CYBER TECHNOLOGY
- TRANSVARO
- ASELSAN
- CTECH
- TÜBİTAK BİLGEM

### **SHELTER SYSTEM EQUIPMENT COMPONENTS**

- AYESAŞ
- MILENS
- HAVELSAN TEKNOLOJİ RADAR
- NORM TECHNOLOGIES
- PROFEN
- SAVRONİK
- GÖKSER
- ÇOŞKUNÖZ
- ÖZTEK TEXTILE
- MENSAN
- PAGETEL
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- ANOVA
- TTAF DEFENCE

### **SHIP MODELLING AND MOVEMENT SIMULATORS**

- infoTRON
- RST

- ASELSAN
- METEKSAN DEFENCE
- ANOVA
- SIMSOFT
- TÜBİTAK BİLGEM

### **SHIP PROPULSION AND CONTROLS**

- MTU
- SIEMENS
- TSSK
- YALTES

### **SIGHTS**

- OTOKAR
- FOTONIKS
- AKKAR
- ASELSAN SİVAS
- MAY CYBER TECHNOLOGY
- SAMSUN YURT SAVUNMA
- TRANSVARO
- ASELSAN
- CANOVATE

### **SIGNAL PISTOLS SIMULATORS**

- MAY CYBER TECHNOLOGY
- MENSAN

### **SLEEPING BAGS**

- GRUP İMPEKS
- AVS
- NORM TECHNOLOGIES
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- İPA DEFENCE

### **SMOKE GENERATORS**

- MENSAN
- İPA DEFENCE

### **SOFTWARE DEVELOPERS**

- OTOKAR
- AYESAŞ
- AKGÜN
- ALTINAY
- ARGELA

- ARTRON
- ATEL
- ESEN
- ALTAY
- MILSOFT
- STM
- TSSK
- CRYPTTECH
- DEŞİ
- ESAC
- infoTRON
- BİTES
- MAY CYBER TECHNOLOGY
- OBSS
- PAPILON
- MENSAN
- ASELSAN
- HAVELSAN
- CANOVATE
- IPA DEFENCE
- ANOVA
- CTECH
- FİGES
- SİMSOFT

### **SONAR EQUIPMENT**

- GÜRSAŞ
- COŞKUNÖZ
- MAY CYBER TECHNOLOGY
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK MAM
- KOÇ

### **SOUND LOCATION EQUIPMENT**

- ESEN
- TÜBİTAK MAM
- KOÇ
- TÜBİTAK BİLGEM

### **SPRINGS**

- BEST GRUP
- AKKAR
- REPKON
- PUNTEL

### **STABILIZERS AND STABILIZATION EQUIPMENT**

- OTOKAR
- ALTINAY
- ESEN
- REPKON
- ALP AVIATION
- ASELSAN
- TURKISH AEROSPACE
- FİGES
- NUROL MAKİNA

### **STEALTH TECHNOLOGY EQUIPMENT**

- TSSK
- ÖZTEK TEXTILE
- TDU
- ASELSAN

### **STEERING GEAR**

- TİBET
- HEMA ENDÜSTRİ
- İLERİ GROUP
- YILMAZ
- NUROL MAKİNA

### **SURFACE TREATMENT, IPAINTING, CHEMICALSPLATING**

- KRL
- ÜNİMETAL
- GRUP İMPEKS
- AKKAR
- ALTINAY
- HIDROAN
- DOĞUŞ KİMYA
- DYO
- COŞKUNÖZ
- ASELSAN

### **SURVEILLANCE EQUIPMENT**

- OTOKAR
- AYESAŞ
- ALTINAY
- ARGELA
- ELEKTROLAND DEFENCE
- ESEN
- HAVELSAN TEKNOLOJİ RADAR

- PROFEN
- SIEMENS
- TSSK
- PAPILON
- ASELSAN
- CANOVATE
- METEKSAN DEFENCE

### **SUSPENSION SYSTEM EQUIPMENT**

- OTOKAR
- MES MAKİNA
- COŞKUNÖZ
- NUROL MAKİNA

### **TACTICAL SIMULATORS**

- ALTINAY
- CEY SAVUNMA
- ALTAY
- SDT
- TSSK
- infoTRON
- BİTES
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- CANOVATE
- ANOVA
- SİMSOFT
- TÜBİTAK BİLGEM

### **TARGETS**

- AKKAR
- ALTINAY
- DEŞİ
- MENSAN
- IPA DEFENCE

### **TECHNICAL TEXTILES**

- GRUP IMPEKS
- AVS
- NORM TECHNOLOGIES
- RAYON
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- TDU

### **TELEPHONE EQUIPMENT**

- MILENS
- TÜBİTAK BİLGEM

### **TELESCOPES**

- FOTONIKS
- TÜBİTAK MAM

### **TEMPEST PRODUCTS**

- GRUP IMPEKS
- MILENS
- TÜBİTAK BİLGEM

### **TENTS AND SHELTERS**

- GRUP IMPEKS
- TURMAKS
- AVS
- NORM TECHNOLOGIES
- ÖZTİRYAKİLER
- GÖKSER
- COŞKUNÖZ
- ÖZTEK TEXTILE
- RAFF MILITARY TEXTILE
- TDU
- MENSAN
- PAGETEL
- IPA DEFENCE

### **TERRAIN DISPLAYS**

- GRUP IMPEKS
- ESEN
- SDT
- infoTRON
- ASELSAN
- IPA DEFENCE
- SİMSOFT

### **TEST EQUIPMENT**

- GRUP IMPEKS
- AKGÜN
- ALTINAY
- ARTRON
- ATEL
- ETA
- ME-GE TEKNİK

- OSSA
- PROFEN
- TSSK
- GÖKSER
- M-D2
- COŞKUNÖZ
- ÖZTEK TEXTILE
- SPARK
- MENSAN
- ULUS ELEKTRONİK
- ASELSAN
- HAVELSAN
- IPA DEFENCE
- ANOVA
- FİGES
- KOÇ
- TÜBİTAK BİLGEM

### **TEXTILES**

- GRUP IMPEKS
- AVS
- NORM TECHNOLOGIES
- OSSA
- RAYON
- RAFF MILITARY TEXTILE
- TDU
- YAKUPOĞLU
- IPA DEFENCE

### **THERMAL DRIVER SIGHT**

- BEST GRUP
- CANOVATE

### **TORPEDOES**

- ALTAY
- REPKON
- VARZENE
- ASELSAN

### **TRACKING EQUIPMENT**

- OTOKAR
- AYESAŞ
- ATEL
- ESEN
- PROFEN
- RAFF MILITARY TEXTILE

- PAVOTEK
- ASELSAN
- IPA DEFENCE
- KOÇ
- TÜBİTAK BİLGEM

### **TRAILERS**

- YOL-BAK
- TURMAKS
- ASSAN
- KOLLUMAN
- VARZENE
- NUROL MAKİNA

### **TRANSMISSIONS**

- GRUP IMPEKS
- MILENS
- ASSAN
- SIEMENS
- TSSK
- HST
- HEMA ENDÜSTRİ
- YILMAZ
- ANOVA
- NUROL MAKİNA
- TÜBİTAK BİLGEM

### **ULTRA SONIC EQUIPMENT**

- TSSK
- ASELSAN
- IPA DEFENCE
- FİGES
- KOÇ

### **UNDERWATER: ACOUSTICS EQUIPMENT**

- GÜRSAŞ
- TSSK
- RST
- ASELSAN
- METEKSAN DEFENCE
- TÜBİTAK MAM
- KOÇ
- TÜBİTAK BİLGEM

### **VEHICLE ELECTRICAL EQUIPMENT**

- OTOKAR

- NERO INDUSTRIES
- BEST GRUP
- MILENS
- ALTINAY
- ARTRON
- SAVRONİK
- SIEMENS
- TSSK
- MENSAN
- TÜBİTAK MAM
- ALTOY
- ANOVA
- FİGES
- NUROL MAKİNA

### **VEHICLE ENGINES**

- MILENS
- MTU
- SIEMENS
- HEMA ENDÜSTRİ
- VARZENE
- ALP AVIATION
- ASELSAN
- ALTOY
- FİGES
- NUROL MAKİNA

### **WIRES AND WIRING**

- AYESAŞ
- BEST GRUP
- GRUP IMPEKS
- MILENS
- HAVELSAN TEKNOLOJİ RADAR
- ME-GE TEKNİK
- OSSA
- TSSK
- MAKTEL
- ULUS ELEKTRONİK
- CANOVATE
- TURKISH AEROSPACE
- ANOVA
- TTAF DEFENCE

### **X-RAY EQUIPMENT**

- GRUP IMPEKS
- MILENS

- ELEKTROLAND DEFENCE
- HAVELSAN TEKNOLOJİ RADAR
- DOĞUŞ KİMYA
- IPA DEFENCE





SERVICES

## AERIAL PHOTOGRAPHY AND SURVEY

- ALTINAY
- ESEN
- MENSAN
- ALTOY

## BALLISTIC TESTING

- OTOKAR
- GİRSAN
- GRUP İMPEKS
- KATMERCİLER
- OSSA
- TSSK
- TURAC
- GÖKSER
- BARTEZ
- FNSS
- NUROL TECHNOLOGIES
- ÖZTEK TEXTILE
- ROKETSAN
- ASELSAN
- CANOVATE
- NUROL MAKİNA

## CALIBRATION AND EQUIPMENT

- AKKAR
- OSSA
- GÖKSER
- BARTEZ
- SPARK
- TRANSVARO
- TÜBİTAK MAM
- TEI

## CBRN TRAINING

- MAKEL
- NORM TECHNOLOGIES
- TSSK
- HAVELSAN
- TÜBİTAK MAM
- NANOBİZ

## CODIFICATION

- AKGÜN
- CRYPTTECH

- infoTRON
- BARTEZ
- CTECH

## COMPONENT DESIGN & ENGINEERING

- TİBET
- C.E.S.
- OTOKAR
- AYESAŞ
- KRL
- BEST GRUP
- MATEŞ
- MILENS
- MAKEL
- YOL-BAK
- TURMAKS
- AKGÜN
- AKKAR
- AKANA
- ALTINAY
- ASSAN
- ATEL
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- KATMERCİLER
- MILSOFT
- NORM TECHNOLOGIES
- ODAK
- OSSA
- TSSK
- HST
- infoTRON
- KOLLUMAN
- ASELSAN SİVAS
- BARIŞ
- BARTEZ
- COŞKUNÖZ
- FNSS
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- ASELSAN
- HAVELSAN
- CANOVATE

- METEKSAN DEFENCE
- TÜBİTAK MAM
- TÜBİTAK SAGE
- ONUR
- ALTOY
- ANOVA
- CTECH
- FİGES
- KOÇ
- NANOBİZ
- NUROL MAKİNA
- TEI
- TÜBİTAK BİLGEM

### **CONFIGURATION MANAGEMENT**

- AYESAŞ
- MILENS
- AKGÜN
- AKKAR
- AKANA
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- KATMERCİLER
- ALTAY
- MTU
- ODAK
- PROFEN
- SAVRONİK
- SDT
- STM
- TSSK
- CRYPTTECH
- BARTEZ
- BİTES
- COŞKUNÖZ
- FNSS
- MAY CYBER TECHNOLOGY
- OBSS
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- ASELSAN
- HAVELSAN
- TURKISH AEROSPACE
- ALTOY

- CTECH
- KOÇ
- NUROL MAKİNA
- TÜBİTAK BİLGEM

### **DESIGN, HARDWARE**

- OTOKAR
- TURMAKS
- AKGÜN
- AKKAR
- ALTINAY
- AMEGA
- ARTRON
- ATEL
- ESEN
- OSSA
- PROFEN
- SELEX ES TURKEY
- GÖKSER
- infoTRON
- ANADOLU SHIPYARD
- BARTEZ
- HEMA ENDÜSTRİ
- İLERİ GROUP
- PAPILON
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- HAVELSAN
- METEKSAN DEFENCE
- TÜBİTAK SAGE
- ANOVA
- NANOBİZ
- NUROL MAKİNA
- TÜBİTAK BİLGEM

### **DESIGN, SOFTWARE**

- OTOKAR
- AYESAŞ
- SELAH SHIPYARD
- MILENS
- AKGÜN
- AKKAR
- ALTINAY
- ARGELA
- ATEL

- ESEN
- ETA
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- KATMERCİLER
- ALTAY
- MILSOFT
- OSSA
- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- SIEMENS
- STM
- TSSK
- YALTES
- CRYPTTECH
- DESİ
- ESAC
- infoTRON
- BARTEZ
- BİTES
- COŞKUNÖZ
- FNSS
- MAY CYBER TECHNOLOGY
- OBSS
- PAPILON
- RST
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- HAVELSAN
- İSTANBUL SHIPYARD
- CANOVATE
- TÜBİTAK SAGE
- TURKISH AEROSPACE
- ONUR
- IPA DEFENCE
- ANOVA
- CTECH
- FİGES
- KOÇ
- NANOBİZ
- NUROL MAKİNA
- SİMSOFT
- TÜBİTAK BİLGEM

## **DIGITAL MAPPING**

- AYESAŞ
- ESEN
- MILSOFT
- OSSA
- SIEMENS
- STM
- TSSK
- BİTES
- MAY CYBER TECHNOLOGY
- HAVELSAN
- ALTOY
- SİMSOFT

## **EXPLOSIVES DISPOSAL**

- ALTINAY
- ELEKTROLAND DEFENCE
- ALTAY
- GÖKSER
- M-D2
- ROKETSAN

## **HARDWARE DESIGN**

- TİBET
- TİBET
- MAK SAVUNMA
- OTOKAR
- AYESAŞ
- GÜRSAŞ
- SELAH SHIPYARD
- GİRSAN
- BEST GRUP
- MILENS
- MAKEL
- YOL-BAK
- TURMAKS
- AKGÜN
- AKKAR
- ALTINAY
- AMEGA
- ARTRON
- ATEL
- ESEN
- ETA
- HAVELSAN TEKNOLOJİ RADAR
- KATMERCİLER

- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- TSSK
- YALTES
- DESİ
- GÖKSER
- infoTRON
- ANADOLU SHIPYARD
- FNSS
- ILERI GROUP
- MAY CYBER TECHNOLOGY
- RST
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- HAVELSAN
- İSTANBUL SHIPYARD
- CANOVATE
- METEKSAN DEFENCE
- TURKISH AEROSPACE
- ONUR
- IPA DEFENCE
- ALTOY
- ANOVA
- CTECH
- FİGES
- KOÇ
- NANOBİZ
- NUROL MAKİNA
- TEİ
- TTAF DEFENCE
- TÜBİTAK BİLGEM

### **MATHEMATICAL MODELLING**

- OTOKAR
- AKGÜN
- ALTINAY
- ARGELA
- CEY SAVUNMA
- ESEN
- ETA
- KATMERCİLER

- OSSA
- SDT
- TSSK
- TUĞÇELİK
- CRYPTTECH
- infoTRON
- BİTES
- ASELSAN
- HAVELSAN
- TURKISH AEROSPACE
- ANOVA
- CTECH
- FİGES
- KOÇ
- SİMSOFT
- TÜBİTAK BİLGEM

### **NATO CODIFICATION**

- GİRSAN
- BEST GRUP
- GRUP İMPEKS
- MAKEL
- CRYPTTECH
- CTECH
- NUROL MAKİNA

### **OVERHAUL SERVICES - SEE ALSO MAINTENANCE SERVICES**

- TİBET
- GRUP İMPEKS
- MİLENS
- MAKEL
- YOL-BAK
- ALTINAY
- HAVELSAN TEKNOLOJİ RADAR
- HİDROAN
- KATMERCİLER
- MİLSOFT
- MTU
- OERLIKON
- İŞBİR
- KOLUMAN
- M-D2
- FNSS
- OBSS
- TRANSVARO

- MENSAN
- İSTANBUL SHIPYARD
- CTECH
- TEI
- TÜBİTAK BİLGEM

### **PAINT & COATINGS**

- AKKAR
- HIDROAN
- ODAK
- OSSA
- DYO
- BARTEZ
- COŞKUNÖZ
- ULUS ELEKTRONİK
- NUROL MAKİNA
- TEI

### **PROJECT MANAGEMENT**

- MAK SAVUNMA
- OTOKAR
- AVESAŞ
- FOTONIKS
- U4 MARINE & INTERIOR
- BEST GRUP
- GRUP IMPEKS
- MILENS
- TURMAKS
- AKGÜN
- AKKAR
- AKANA
- ALTINAY
- AMEGA
- ARGELA
- ARTRON
- ASSAN
- ATEL
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- KATMERCİLER
- ALTAY
- NORM TECHNOLOGIES
- OSSA
- PROFEN
- SAVRONİK

- SDT
- SIEMENS
- STM
- TSSK
- TUĞÇELİK
- YALTES
- CRYPTTECH
- GÖKSER
- HST
- infoTRON
- M-D2
- BİTES
- COŞKUNÖZ
- FNSS
- ILERI GROUP
- MAY CYBER TECHNOLOGY
- OBSS
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- ASELSAN
- HAVELSAN
- İSTANBUL SHIPYARD
- ONUR
- IPA DEFENCE
- ALTOY
- ANOVA
- CTECH
- KOÇ
- NUROL MAKİNA
- SIMSOFT
- TÜBİTAK BİLGEM

### **QUALITY CONTROL CONSULTANCY**

- AVESAŞ
- GRUP IMPEKS
- MILENS
- AKGÜN
- ESEN
- ICTERRA
- OSSA
- STM
- CRYPTTECH
- infoTRON

- BARTEZ
- FNSS
- ILERI GROUP
- MAY CYBER TECHNOLOGY
- OBSS
- MENSAN
- ULUS ELEKTRONİK
- ALP AVIATION
- CTECH
- NUROL MAKİNA
- SİMSOFT
- TÜBİTAK BİLGEM

### **RESEARCH AND DEVELOPMENT**

- TİBET
- C.E.S.
- OTOKAR
- AYESAŞ
- BEST GRUP
- GRUP İMPEKS
- MILENS
- TURMAKS
- AKGÜN
- AKKAR
- AKANA
- ALTINAY
- AMEGA
- ARGELA
- ARTRON
- ASSAN
- ATEL
- ELEKTROLAND DEFENCE
- ESEN
- ETA
- HAVELSAN TEKNOLOJİ RADAR
- İCTERRA
- KATMERCİLER
- ALTAY
- İMİLSOFT
- MTU
- NORM TECHNOLOGIES
- OSSA
- ÖZTİRYAKİLER
- PROFEN
- SDT
- SIEMENS

- STM
- TSSK
- TUĞÇELİK
- YALTES
- CRYPTTECH
- DESİ
- DYO
- ESAC
- GÖKSER
- GÜVENLİ YAŞAM
- infoTRON
- İŞBİR
- ASPILSAN ENERGY
- BARIŞ
- BİTES
- COŞKUNÖZ
- FNSS
- ILERI GROUP
- MAY CYBER TECHNOLOGY
- NUROL TECHNOLOGIES
- OBSS
- PAPILON
- ROKETSAN
- RST
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- VARZENE
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- ASELSAN
- HAVELSAN
- İSTANBUL SHIPYARD
- METEKSAN DEFENCE
- TÜBİTAK MAM
- TÜBİTAK SAGE
- ONUR
- İPA DEFENCE
- ALTOY
- ANOVA
- CTECH
- FİGES
- KOÇ
- NANOBİZ
- NUROL MAKİNA
- SİMSOFT



- TEI
- TÜBİTAK BİLGEM

### **SOFTWARE MODELLING**

- OTOKAR
- BEST GRUP
- AKGÜN
- AKKAR
- ALTINAY
- ARGELA
- ATEL
- CEY SAVUNMA
- ESEN
- ICTERRA
- KATMERCİLER
- ALTAY
- OSSA
- SAVRONİK
- SDT
- STM
- TSSK
- CRYPTTECH
- ESAC
- infoTRON
- BARTEZ
- BİTES
- FNSS
- MAY CYBER TECHNOLOGY
- OBSS
- ALP AVIATION
- HAVELSAN
- İSTANBUL SHIPYARD
- CANOVATE
- TÜBİTAK SAGE
- TURKISH AEROSPACE
- ONUR
- IPA DEFENCE
- CTECH
- FİGES
- KOÇ
- NUROL MAKİNA
- SİMSOFT
- TÜBİTAK BİLGEM

### **SURFACE CLEANING AND PREPARATION**

- TİBET

- GİRSAN
- AKKAR
- HIDROAN
- OSSA
- DOĞUŞ KİMYA
- BARTEZ
- ALP AVIATION
- TÜBİTAK MAM
- IPA DEFENCE
- ALTOY
- NUROL MAKİNA

### **SYSTEM DESIGN & ENGINEERING**

- TİBET
- MAK SAVUNMA
- OTOKAR
- AYESAŞ
- FOTONİKS
- SELAH SHIPYARD
- BEST GRUP
- MİLENS
- MAKEL
- TURMAKS
- AKGÜN
- AKKAR
- AKANA
- ALTINAY
- ARGELA
- ASSAN
- ATEL
- ELEKTROLAND DEFENCE
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- KATMERCİLER
- ALTAY
- MILSOFT
- ODAK
- OSSA
- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- SIEMENS
- STM
- TSSK

- YALTES
- CRYPTTECH
- ESAC
- GÖKSER
- infoTRON
- M-D2
- ANADOLU SHIPYARD
- BARTEZ
- BİTES
- COŞKUNÖZ
- FNSS
- ILERI GROUP
- MAY CYBER TECHNOLOGY
- OBSS
- PAPILON
- RST
- TRANSVARO
- MENSAN
- ULUS ELEKTRONİK
- VESTEL DEFENCE INDUSTRY
- ALP AVIATION
- ASELSAN
- HAVELSAN
- İSTANBUL SHIPYARD
- CANOVATE
- METEKSAN DEFENCE
- TÜBİTAK MAM
- TÜBİTAK SAGE
- TURKISH AEROSPACE
- ONUR
- IPA DEFENCE
- ALTOY
- ANOVA
- CTECH
- FİGES
- KOÇ
- NUROL MAKİNA
- SİMSOFT
- TEI
- TÜBİTAK BİLGEM

### **SYSTEMS ANALYSIS**

- OTOKAR
- AYESAŞ
- GİRSAN
- MILENS

- AKGÜN
- AKKAR
- ALTINAY
- ARTRON
- ESEN
- ICTERRA
- KATMERCİLER
- ALTAY
- MILSOFT
- ODAK
- OSSA
- PROFEN
- SDT
- SIEMENS
- STM
- TSSK
- TUĞÇELİK
- CRYPTTECH
- ESAC
- infoTRON
- BARTEZ
- BİTES
- FNSS
- MAY CYBER TECHNOLOGY
- OBSS
- PAPILON
- RST
- MENSAN
- ASELSAN
- HAVELSAN
- TÜBİTAK MAM
- TÜBİTAK SAGE
- TURKISH AEROSPACE
- ANOVA
- CTECH
- FİGES
- KOÇ
- NUROL MAKİNA
- SİMSOFT
- TÜBİTAK BİLGEM

### **SYSTEMS INTEGRATOR**

- OTOKAR
- AYESAŞ
- FOTONIKS
- MILENS

- TURMAKS
- AKGÜN
- ALTINAY
- ATEL
- ELEKTROLAND DEFENCE
- ESEN
- HAVELSAN TEKNOLOJİ RADAR
- ICTERRA
- KATMERCİLER
- ALTAY
- MİLSOFT
- MTU
- OSSA
- PROFEN
- SAVRONİK
- SDT
- SELEX ES TURKEY
- STM
- TSSK
- YALTES
- CRYPTTECH
- ESAC
- GÖKSER
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- ANADOLU SHIPYARD
- BARTEZ
- BİTES
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- OBSS
- PAPILON
- RST
- TRANSVARO
- MENSAN
- VESTEL DEFENCE INDUSTRY
- ASELSAN
- HAVELSAN
- CANOVATE
- METEKSAN DEFENCE
- TÜBİTAK MAM
- TURKISH AEROSPACE
- ONUR
- IPA DEFENCE
- ALTOY

- ANOVA
- CTECH
- FİGES
- KOÇ
- NUROL MAKİNA

### **TEMPEST TESTING**

- AYESAŞ
- MILENS
- AKKAR
- ESEN
- ASELSAN
- TÜBİTAK BİLGEM

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MOBILITY AT YOUR  
SERVICE!***

