

# AEROSPACE CLUSTER ASSOCIATION

## MEMBER PROFILES

# 2025



## AEROSPACE CLUSTER ASSOCIATION - ACA

Dear Partners,

Since its establishment in 2010 as the first Aerospace Cluster in Turkey, Aerospace Cluster Association – ACA has been carrying out a wide range of activities both nationally and internationally in supporting the growth of the Aviation and Space industries. Although its main offices being located in İzmir – Turkey, ACA has several members from different provinces of Turkey, which came together to promote two common goals. These are: “Supporting the growth of qualified technical pool of talent in the sector” and “Supporting its members (mostly SME's) to become competitively integrated in the global supply chain by fostering their innovation capabilities.

Developing Small and Medium Enterprises (SMEs) and supporting them to take place in the Aviation, Space and Defense sectors are among the most important strategic goals of our Association. In this context, we support our members to be a part of the highly competitive global supply chain in the related sectors by supporting their needs certification (AS 9100, NADCAP, etc.) and by providing support to access the sourcing opportunities and OEM's in these sectors as well as helping them to reach local and international funding.

On the other hand, Aerospace Cluster Association (ACA) is one of the first members of the the "European Aerospace Cluster Partnership (EACP)" (<http://www.eacp-aero.eu/>), which now has 45 clusters from 18 countries. EACP, which is an important network, along with its global initiative called Global Aerospace Clusters (GAC) come together in international events and discusses common problems and works to create collaborative partnerships through several EU and other funded projects.

In this respect, ACA has partnered in several projects collaborating with EACP member clusters including "2013 Leonardo da Vinci - Partnerships" project in 2013. In 2016, HipAir was another successful project with EACP clusters and SKY 4.0 project which was to promote soft skills for supporting the needs of Industry 4.0. In addition, an agreement of cooperation with the aerospace cluster in Poland "Aviation Valley" is ongoing.

Among the services we provide to our members, we can also count the international events we have prepared together with our partners like ESBAŞ (Aegean Free Zone). The purpose of these events is to enable our members to meet with national and international OEMs. Lastly, with the support of our Defense Industry Presidency (SSB) our international event called "The Conference on the Development of our National and Domestic Industry in the Defense and Aviation Sector with Global Collaborations" took place on 10-11 October 2019 where representatives from international companies such as Boeing, Airbus, Rolls - Royce and GE were present. Also, purchasing authorities of Turkish Foundation Companies (TSKGV) (like TAI, Havelsan, Roketsan, Aselsan, etc.) also took place and B2B activities were organized with the participation of our members resulted in successful negotiations.

As a new initiative, due to the COVID -19 pandemic which lead to working through virtual networks, ACA organized and will continue to organize online virtual events to promote the member activities and fostering the network between the buyers and the Turkish Suppliers.

As of January 2025, ACA has 67 members, of which 47 are sector companies. These companies generally serve in the defense, aviation, space and automotive industries. In addition to our member companies, we also have individual members, which are valuable academicians from important universities, R&D Centers as well as senior experts from the industries we serve.

For Further information please contact ACA Coordinator:

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# MEMBER PROFILE

## 3D MODEL MÜHENDİSLİK BİLİŞİM MAKİNA VE DANIŞMANLIK SANAYİ TİCARET LİMİTED ŞİRKETİ



### **ABOUT US**

It operates in 3D Model, engineering, design, 3D part modeling and manufacturing, dimensional analysis and verification.

### **AREAS OF EXPERTISE**

While responding to the size and coordinate measurements, tolerance and quality reporting needs of companies with its high accuracy and repeatable mobile CMM, laser scanner and laser tracking systems; it is also involved in design and reverse engineering activities from scratch and in industrial or artistic design works. In addition, it becomes a solution partner by leasing high-tech measuring and scanning devices to companies and individuals. With its 3D printers with different features, it produces with 25 different materials for the fast model, prototype and pre-mass production stages of its customers and sells 3D printers of domestic and foreign origin. 3D Models, in every region of Turkey with its dynamic structure, automotive, aviation, defense, medical, architecture, offers precise and fast solutions to the petrochemical and similar industries.

### **ENGINEERING CAPABILITIES**

- Reverse Engineering
- GD&T
- 3D Parça Prototype Production

### **CERTIFICATES**

- ISO 9001-2015
- INNOVMETRIC POLYWORKS
- SOLIDWORKS



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# MEMBER PROFILE

## ALTEK METAL SAN. ve TİC. A.Ş



### ABOUT US

Altek started its activities in 1987, trading aluminum between 1987 and 2007, in 2007, after the first factory installation, aluminum sizing, Aludur and Aludur plus under its own brand began to produce aluminum casting plate. At present, it provides reliable and fast service to its customers in Çerkezköy factory, Ankara, Gebze service centers and İkitelli retail sales point.

### AREAS OF EXPERTISE

- ALUMINIUM CUT TO SIZE
- ALUMINIUM CUT TO SHAPE
- ALUMINIUM MACHINING
- MANUFACTURING ALUDUR&ALUDUR PLUS ALUMINIUM PLATES

### ENGINEERING CAPABILITIES

- SIZING MACHINES
- DOUBLE COLUMN CNC
- ANNEALING FURNACES
- WATERJETS
- CUT TO LENGTH MACHINE
- CIRCULAR CUTTING
- ROUND BAR&FLAT BAR CUTTING MACHINES

### CERTIFICATES

- A&D
- AS9120
- EN9120
- ISO9001
- JISQ9120ISO14001
- ISO18001

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Kahramankazan/ANKARA





# MEMBER PROFILE

## Anet Hassas Isleme Sanayi



### ABOUT US

### AREAS OF EXPERTISE

METAL PARTS & SYSTEMS

### ENGINEERING CAPABILITIES

- Siemens Cad Cam
- Zoller Tool Management System
- SAP PPS Production Planning System
- Manage my Machines by Trio

### CERTIFICATES

TÜV NORD ISO9001

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Gaziemir-Izmir



# MEMBER PROFILE

## AVIOS DANISMANLIK VE TICARET ANONIM SIRKETI



### ABOUT US

As Avios Global, we have years of experience in knowing where to find the spare parts for your needs in Aviation, Marine, and Defence Industries. We specialize in providing the fastest and most cost-effective part supplies. We are different from other traders because we are bringing new solutions to supply chain management.

### AREAS OF EXPERTISE

INTERNATIONAL TRADE  
SALES MANAGEMENT APPLICATIONS  
SUPPLY CHAIN MANAGEMENT  
ASSETS MANAGEMENT SOLUTIONS

### ENGINEERING CAPABILITIES

SALES MANAGEMENT SOFTWARE DEVELOPMENT

### CERTIFICATES

ISO 9001  
ISO 9002  
ISO 14001



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# MEMBER PROFILE

## AYJET FLIGHT SCHOOL



### ABOUT US

AYJET Flight School is an aviation school, which was established by a select group of captain pilots with long years of experience in both Turkish Air Force and airline companies.

AYJET, with its experienced and knowledgeable expert personnel, increases the quality level with its own standards and practices, as well as complying with the rules and standards set by national and international aviation authorities in flight training.

AYJET has the authorizations to give Modular ATPL(A), ATPL(A) Integrated and Multi Pilot License (MPL) Integrated in flight training.

Aiming at Zero accident-incident in flight training, flight safety is a priority in AYJET Flight School. In this context; all maintenance activities of the aircraft are carried out by AYJET'S own SHY-145 Maintenance Organization. Compliance Monitoring Management and Safety Management System of AYJET, contributes to the highest level of protection of flight safety by conducting internal audits in various training and maintenance activities.

AYJET will always be your reliable friend, consultant and solution partner in all pilotage trainings.

### AREAS OF EXPERTISE

- Moduler ATPL(A) Frozen Training Course
- Integrated ATPL(A) Frozen Training Course
- MPL Integrated Training Course
- MCC Training
- Advanced UPRT Training

### ENGINEERING CAPABILITIES

- Aircraft technical processes within the scope of SHY-145 (maintenance, repair, modification, etc.) planning and managing

### CERTIFICATES

- Approved Training Organisation Certificate
- CAMO Approval Certificate
- Maintenance Organization Approval Certificate (Part-145)
- Diamond Service Center



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# MEMBER PROFILE

## BAYRAMOĞLU GROUP A.Ş.



### ABOUT US

Bayramoğlu Group of Companies has started its commercial life in the 1960s and for more than half a century, it is a long-established institution that produces value in many sectors and plays an active role in the national economy.

Bayramoğlu Group of Companies, which has an exemplary structure in its fields of activity since its formation; acts with respect to society and nature, with the belief of creating value, and is walking confidently to the future.

### AREAS OF EXPERTISE

- Steel Construction Design and Manufacturing
- Design and Manufacturing of Steel Pipe Bridges
- Structural and Equipment based manufacturing within the scope of Nuclear Power Plant.
- All Kinds of Carbon Steel, Aluminum and Stainless Welded Construction and Mechanical Manufacturing
- Crusher Chassis
- Bunker Manufacturing
- Overhead Crane Bridges
- Silo Manufacturing
- Machine Chassis
- Bitumen Tanks for Asphalt Plants
- Pressure vessels
- Platform
- Plummet Protection
- Nuclear Power Unit

### ENGINEERING CAPABILITIES

- Machining
- Sheet Metal Forming
- Welding
- Milling
- Holing
- Machining
- Grooving
- Tapping
- Bending
- Shielding gas welding
- Submerged arc welding
- Argon (TIG) welding
- Stud arc welding
- Aluminum welding

### CERTIFICATES

- ISO 9001:2015,
- ISO 14001:2015,
- OHSAS18001:2007,
- EN1090-2 EXC4:2018
- EN1090-3 EXC4:2019,
- TS EN ISO 3834-2





- Liquid LPG Tanks
- Waste Gas Chimneys
- Manufacturing and Installation of Steel Construction for Thermal Power Plants and Other Power Plants
- Wind Tower Steel Internal Parts
- Wind Tower Welded Production Internal Parts
- Wind Tower Steel Passive Mechanic Parts
- Wind Tower Steel Cages and Platforms
- Wind Tower Kits
- Storing and Forwarding of Wind Tower Products
- Aluminum Parts for Wind Tower
- Wind Tower Nacelle Lower Parts
- Wind Tower Generator Lower Parts
- Wind Tower Safety Relevant+E3 Class Pieces
- Wind Tower Blade Transfer Equipments
- Wind Tower Transfer Tools
- Wind Tower Tools
- Hoist and Elevator/Electrical Cabinet
- Power cables/Control cables
- Optical and communication/Conduit
- Cables Tray/Cable Ties
- Fluorescent/ LED Lightning
- Emergency Lightning
- Thermal Equipment/ Power Links
- Appropriatement to CE, UL, CSA, CCC standarts



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# MEMBER PROFILE

## BODYCOTE İSTAŞ ISIL İŞLEM SAN. VE TİC. A.Ş.



### ABOUT US

With more than 180 accredited facilities in 23 countries, **Bodycote** is the world's largest provider of heat treating and specialist thermal processing services. Through classical heat treatment and specialist technologies including Hot Isostatic Pressing (HIP), Bodycote improves the properties of metals and alloys, extending the life of vital components for a wide range of industries; including aerospace, defence, automotive, power generation, oil & gas, construction and agricultural machinery, medical and transportation. Customers in all of these industries have entrusted their products to Bodycote's care for more than 30 years. For more information, please visit [www.bodycote.com](http://www.bodycote.com)

In 2006, "BODYCOTE" established joint venture with "İSTAŞ Isıl İşlem" in Turkey which are currently operating in three industrialized regions: **İzmir** (Kemalpaşa OSB), **Bursa** (Nilüfer OSB) and **Gebze** (Dilovası İMES OSB).

Integrated to Bodycote's Policies and complying to Quality System certifications (ISO 9001 and ISO 14001 certifications are Standard for all Plants; and also Gebze has AS9100D Aerospace Quality Management System, Izmir and Bursa have IATF16949 Automotive Quality Management System), Bodycote İstaş provide high quality heat treatment services to customers in CQI-9 standards.

### AREAS OF EXPERTISE

"Bodycote İstaş" Plants are serving whole range of "Heat Treatment" processes (quality, reliable and on-time) to its customers with hi-tech and high capacity atmosphere controlled Sealed Quench furnaces (hardening / carburizing / carbonitriding / stress relieving / normalizing / annealing / aging), Vacuum furnaces (hardening / brazing / aging / sub-zero), Nitriding furnaces (Corr-i-dur / Gas Nitriding / Nitrocarburizing / Arcor) and Induction hardening machines (Medium / High frequency) at all Plants with competent and experienced employees.

For Aerospace industry applications, we are especially serving "through hardening, aging, solution heat treatment, precipitation hardening, carburizing process in Sealed Quench (oil quench) and Vacuum furnaces (gas quench).

### ENGINEERING CAPABILITIES

Our GEBZE Plant is certified with AS9100D and serving to Aerospace and Defence Industry applying some special Heat Treatment specification like AMS2750, AMS2759, AMS-H-6875, STA-100-81-40, TPS382 etc. serving to both Military and Civil Aviation programs (Sikorsky, Agusta Westland, KAI, TAI's GMH/Atak Helicopter and TIHA, Roketsan, Aselsan etc.)

In order to serve for Boeing, Airbus, GE, Safran, Honeywell, ITP/Rolls-Royce etc, NADCAP certification process is completed.

### CERTIFICATES

- AS9100D
- IATF16949
- ISO9001
- ISO14001
- NADCAP



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# MEMBER PROFILE

## EGEMET EGE METAL DÖVME SAN. TİC. LTD. ŞTİ.



**ABOUT US :** Egemet is a company specialized in hot forging, which was established in 1998. It has 3000 m<sup>2</sup> open, 6000 m<sup>2</sup> closed area. The production capacity is 11.000 ton per year and the parts from 0,2 kg up to 60 kg can be forged. 35 white collar and 160 blue collar personnel are working for Egemet. We are serving for automotive, industrial vehicle, railway, hand tool, energy sectors. %75-%80 of the production is exported mainly to European countries.

### **CONTACT DETAILS**

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**AREAS OF EXPERTISE** There are 4 hammer forging line and 3 mechanical press line on the shop floor. The designs are done by CAD-CAM programmes. Forging dies and the machining operations are done on house. We have 3D measurement device, form tracer, microscope, magnetic particule crack test device, surface roughness measurement device, hardness measurement device, tensile and charpy test device as quality control equipment. Normalizing process is on house. We are also outsourcing all kind of heat treatment and surface coating process.

### **ENGINEERING CAPABILITIES**

- Egemet is design center since 2018
- Catia, Autocad, Solidworks programmes
- Deform simulation programme

### **CERTIFICATES**

- ISO 9001:2015
- IATF 16949:2016
- AD 2000 W8 & W10 &13





# MEMBER PROFILE



## ERA METALURJİ A.Ş.

**ABOUT US** ERA was founded in 1999 as an engineering and a foreign trade company, to supply engineering materials for his domestic customers. Along with continuous improvement, since 1999 until today, ERA added new materials to its product range. Other than imports and domestic sales, ERA also functioned in the fields of production, exports and R&D.

All the new products and services added to own abilities seasoned ERA a valuable experience. As well as being the pioneer in own fields, is now the leading supplier of technological and high value added products in Turkey.



**AREAS OF EXPERTISE** Raw material supply with expert staff in desired conditions and specifications.

### ENGINEERING CAPABILITIES

Spesifik ürünler konusunda savunma havacılık sektörü için titanyum alaşımları -özel vasıflı yüksek alaşımlı çelikler ile ısı ve korozyona dayanımı yüksek paslanmaz çelikler(17-4 Ph- 15 5 ph-13-8 ) ayrıca süper alaşımlar İnconel ve alloy alaşımların AISI 431 (1.4057) paslanmaz çelik çeşitleriyle ve 304-316 gibi Malzemelerin tedarikini sağlanması

In terms of specific products, we provide the supply of titanium alloys - special quality high alloy steels and stainless steels with high heat and corrosion resistance (17-4 Ph- 15 5 ph-13-8) as well as super alloys Inconel and alloy alloys, AISI 431 (1.4057) stainless steel varieties and materials such as 304-316 for the defense aviation sector.

### CERTIFICATES

- ISO 9001
- ISO13485
- AS9120 (during the audit process)



### CONTACT DETAILS

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# MEMBER PROFILE

## FASTENER TECHNOLOGY BAĞLANTI ELEMANLARI SAN.TİC.A.Ş.



FASTENER TECHNOLOGY BESTAS

### ABOUT US

Founded in 1993 in the Aegean Free Zone, our company is specialized in manufacturing aerospace fasteners. It was acquired by the French LISI group in 2001. FTB has all necessary production and testing means in house. It holds the quality system and special process certificates as well as customer approvals in the aerospace fasteners industry. It employs 536 workers.

### AREAS OF EXPERTISE

Manufacturing aerospace fasteners (standard and special threaded fasteners in the range 3-20mm diameter; inserts and studs, nuts, washers, etc.)

### ENGINEERING CAPABILITIES

Automatic and manual forging, heat treatment, CNC and conventional machining, thread rolling, plating, NDT, laboratory and testing,

### CERTIFICATES

AS9100 Rev.D

PRI / NADCAP Certificates for Heat Treatment, Chemical Processes, Materials Testing, NDT, EDM

Customer Accreditations for special processes from Airbus, Airbus Helicopters, Safran Group, Rolls Royce, GE Aviation,, Pratt and Whitney, USA,

OSAC Production Organization Approval



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# MEMBER PROFILE

## GFLIGHT Technology and Simulator Systems

### LOGO



### ABOUT US

Founded in 2020, our company Gflight Technology and Simulator Systems manufactures similar simulator systems of various aircraft.

### AREAS OF EXPERTISE

Aviation Simulations  
Various Simulations  
Unmanned aerial vehicle simulations  
Artificial intelligence integrated systems

### ENGINEERING CAPABILITIES

Design Engineering  
Software Engineering  
Hardware Engineering

### CERTIFICATES

Trademark registration  
Iso 9001:2015

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# MEMBER PROFILE

## HAVELSAN



### ABOUT US

HAVELSAN is one of the leading technology companies of Türkiye, established in 1982 as a corporation affiliated with the Turkish Armed Forces Foundation. Thanks to its decades-long experience and highly qualified human resources, HAVELSAN provides high technology-based software-intensive solutions and products for armed forces, public and private sectors.

HAVELSAN, not only designs innovative technologies but also develops holistic defense systems for a trusted future. HAVELSAN as a reliable, sustainable, and strategic solution partner also leads the way for digital transformation both at home and abroad.

### AREAS OF EXPERTISE

HAVELSAN has undersigned many reference projects at home and abroad in the fields of;

- C4ISR Technologies
- Simulation, Autonomous and Platform Management Technologies
- Information and Communication Technologies





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## **ENGINEERING CAPABILITIES**

- Network-Enabled Capability
- Training and Simulation Systems
- Autonomous and Platform Management Systems
- Information Systems
- Open Innovation
- High-Performance Artificial Intelligence Systems and Big Data
- Quantum Computing
- Blockchain

## **CERTIFICATES**

- CMMI Level-3
- EASA Part21G
- ISO 9001:2015
- ISO 27001:2013
- ISO 45001:2018
- ISO 14001:2015

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# MEMBER PROFILE

## HPT Hartner Teknik Parça San.ve Tic. A.Ş.



- Cylindrical Grinding
- Hard Turning
- Hard Milling

### CERTIFICATES

- IATF 16949:2016
- ISO 9001:2015



### ABOUT US

Founded in 1989 in Germany as HPT Hartner Präzisionstechnik GmbH, our company entered the machining sector with the production of precision special tools.

In order to be more competitive in the growing and developing manufacturing sector and to be able to enter new markets with the name HPT, it started to manufacture oil pump shafts and precision special tools for the international automotive sector, especially in Germany, with the name HPT Hartner Technical Parts in the Aegean Free Zone in 1996.

### AREAS OF EXPERTISE

- Turning
- Milling
- Cylindrical Grinding
- Hard Turning
- Hard Milling

### ENGINEERING SKILLS

- Turning
- Milling

### CONTACT

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# MEMBER PROFILE

## IZOREEL



### ABOUT US

IZOREEL Composites was originally founded in 1991 as REEL Plastic Ltd. in Izmir. In 1997, the company changed its name to IZOREEL Insulation Composite Materials. With over 30 years of experience, IZOREEL Composites has emerged as a leading company in composite manufacturing and has been at the forefront of filament winding technology in Turkey.

The company has established a strong reputation based on its expertise in advanced composite engineering and its extensive experience in serving various industries, including Iron and Steel, Electric and Electromechanical, Machinery, Automotive, Chemical and Water Treatment, Textile, and national defense. IZOREEL Composites has also actively engaged in R&D projects in collaboration with The Scientific and Technological Research Council of Turkey (Tübitak), continuously improving its filament winding technology.

In 2010, the company relocated to its current manufacturing center, which includes a 1500m<sup>2</sup> closed area and a 3000m<sup>2</sup> open area, located in Kemalpasa Organize Sanayi Bölgesi. This move has allowed IZOREEL Composites to expand its production capacity, diversify its product range, and

### AREAS OF EXPERTISE

For over 30 years, IZOREEL has become one of Turkey's leading composite material manufacturer, specializing in thermoset resin-based laminated composite products. It has served various sectors including iron-steel, electrical, electromechanical, machinery, automotive, chemical, purification, and textile industries. IZOREEL is also among the prominent partners and one of the pioneering companies in Turkey to utilize fiber winding technology. Throughout the years, IZOREEL has strengthened its innovative structure through collaborative R&D projects with various universities, research institutes and diverse industry institutions, further advancing its fiber winding technology.

- CNC Fiber Winding for Pipes and Housings
- Production of Composite Overwrapped Pressure Vessels (COPV)
- Production of Thermal Insulation Plates and boards
- Production of Electric Insulation Plates in compliance with TS-EN 60893, DIN 7735, and NEMA LI-1 standards
- Manual Methods and Special Productions with Hand Lay-Up
- Vacuum-Assisted and Other Special Molding Productions
- Plastic Liner Production through Rotational Plastic Molding for Type IV Tanks, Hydrogen Tanks, and COPVs
- Thermally Controlled Curing Processes for Various Sizes and Diameters
- CNC Processing and Machining of Composites
- Assembly Processes, Mechanical Connections, and Adhesive Bonding

enhance manufacturing quality. As a result, the company has become an internationally competitive manufacturer of composite materials and a trusted solution partner in innovative projects.

Through partnerships and collaborations, IZOREEL Composites is committed to realizing internationally innovative ideas by providing creative solutions and maintaining a competitive profile.

Techniques for Composites

- Design of Composite Pressurized Tanks, Mechanical Tests, and Qualification Processes
- Research and Development (R&D) and Engineering Services

### **ENGINEERING CAPABILITIES**

- Space and Aviation Projects
- Cooperation Projects with Universities
- IZOREEL R&D Projects

### **CERTIFICATES**

ISO 9001:2015 Quality Management System



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# MEMBER PROFILE

## KAAN MAKİNA SANAYİ



### ABOUT US:

KAAN MAKİNA has specialized in the production of aerospace precision machine parts and the processing of fine-tolerance rotating engine parts of structural and dynamic parts.

We have capability of production and testing of patented products and sub-assembly groups belonging to the customers.

We can develop processes regardless of the number of the parts needed by our customers.

We provide sustainable and common working conditions as the single provider of the customers in most critical parts with suitable costs.

### AREAS OF EXPERTISE

KAAN MAKİNA uses modern chip removal technologies in 5-axis milling and turning applications and the highest quality of machine pool that is accepted worldwide.

We perform design and manufacture of all kinds of parts with our specialized high-level engineering team. We can simulate all processes from RFQ to finish part.

With our design capability we can use advanced manufacturing technologies.

### ENGINEERING CAPABILITIES

- Advanced production techniques
- Development parts design for manufacturing
- Fixture design & manufacturing
- Working with solid 3D models
- Design and production of the fixture
- CAM programming
- Capability of design of the sub-system and parts
- HyperMILL 2019-2
- Measuring on the CNC with Renishaw Probs
- Tool measurement system

### CERTIFICATES

AS9100 & ISO9001 – Bureau Veritas Certification



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AEROSPACE CLUSTER ASSOCIATION

# MEMBER PROFILE

## Kale Pratt&Whitney



NIST 800-171 Compliance  
OHSAS 18001  
ISO 14001

### ABOUT US

Kale Pratt & Whitney is a partnership between Kale Group and Pratt & Whitney (division of Raytheon Technologies) was founded in 2010. Raytheon Technologies is one of the leading companies in aviation & defence sector. Additionally, Kale Pratt & Whitney is one of the leading aviation companies in Turkey and includes many qualified unique special process applications which is unique within Europe and the Middle East.

### AREAS OF EXPERTISE

Our company's manufacturing technology includes new generation multi-axial machine , 5X Laser, Water Jet and Wire Erosion, Hydroform, Hot and Cold Forming, Mechanical presses, Automatic TIG welding machine, Electron Beam Welding Machine, Plasma (HVOF) Spray, etc. It also includes all types of destructive and non-destructive testing methods, vacuum heat treatment furnace and super cleaning processes. With approximately 400 qualified employees, the company has considerable experience in processing materials as titanium, super alloys , stainless steel & aluminum.

### ENGINEERING CAPABILITIES

High skill set engineering capability where needed for Advance forming and machining with including product related tooling and gauge designs.

### CERTIFICATES

AS-9100  
ISO/IEC 27001



### CONTACT DETAILS

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AEROSPACE CLUSTER ASSOCIATION

# MEMBER PROFILE

## KARMA HIGH TECHNOLOGY DEVELOPMENT R&D ENGINEERING INC.



### ABOUT US

Our company has started operating in the Atatürk Organized Industrial Zone as of March 2024. Our company, which had previously taken its place in the sector in Bergama as of December 2022, has grown in a short time, increased its production capacity and moved its operations to a wider area. Operating with 100% domestic capital, our company continues on its way with a strong management approach as a single-partner joint-stock company. The founder of our company, Talya Deniz ŞENEL, determines the roadmap of our company with her visionary leadership and continuous development-oriented approach. Our company, which provides services in a total area of 5000 m<sup>2</sup>, offers high quality and reliable products to the sector with its 3600 m<sup>2</sup> closed production area. We make our business processes more efficient by using technology effectively and follow the best practices in the sector. We meticulously manage all our processes from production to shipment by using

### Our Processing Capabilities:

Our CNC Sliding Automat machines in our machine park can process with 3 micron precision. The diameter dimensions of these machines provide 32 mm processing capability, offering high efficiency and accuracy. Our CNC lathes can process with 2 micron precision. These machines show superior performance in the production of complex parts and have the capacity to meet all kinds of processing needs. Our CNC Vertical Machining Machines also have 2 micron processing precision, and the auxiliary axis feature is provided by using the dividing system in these machines. This feature offers great flexibility and accuracy in more complex processing tasks. In addition, thanks to the OTS (Optical Tool Measurement System), tool measurements are made with high precision. The diameter dimensions of these machines provide 200 mm processing capability, offering high efficiency and accuracy. Our company also has a CNC 5-Axis lathe, this machine has a processing precision of 2 microns and provides the ability to process diameters of 630 mm. This machine provides high accuracy processing of different geometric shapes with its versatile processing capacity. In addition, we also have Universal lathes as auxiliary equipment in the production process. These machines play an important role

Our company offers production and solutions especially for the defense industry. As a company that aims to continuously improve itself, we provide high quality products to our customers using the latest technologies and engineering knowledge.

Our goal is to become an indispensable manufacturer on a global scale and to take our quality to an indisputable level. Always keeping customer satisfaction at the forefront, we aim to create a customer portal where our customers can follow the production, shipping and quality processes of their products live. With this portal, we aim to provide transparency and easy access to our customers and offer them a reliable business partnership.

### **AREAS OF EXPERTISE**

Our company is a business with production processes that target high quality with advanced processing and measurement capabilities. We exhibit a perfectionist approach at every stage from our CNC machines to our precision measurement devices.

### **ENGINEERING CAPABILITIES**

- Siemens NX CAD / CAM
- GO2Cam
- MS Cosmos
- MiCat – (CMM “AI” Artificial Intelligence)
- Solid Works

### **CERTIFICATES**

- AS 9100:2016 Aviation, Space and Defense Quality Management System
- ISO 9001:2015 Quality Management System
- TS EN ISO 45001:2018 Occupational Health and Safety Management System
- TS EN ISO 27001:2022 Information Security Management System
- TS EN ISO 27001:2022 Information Security Management System
- EYDEP B CERTIFICATE

in providing more flexibility and high efficiency. Software and Integrated Systems: Our production processes use powerful numerical software such as Siemens NX CAD / CAM, GO2Cam, MS Cosmos and SolidWorks. These software provide high accuracy and efficiency in all processes from design to production.

In addition, geometric dimensioning and tolerancing operations are automatically performed from 3D models with MiCAT software and measurement programs are created quickly. The integrated path function automatically selects the measurement path, saving time and labor. Our company uses advanced measurement technologies to guarantee measurement accuracy. Our Mitutoyo brand CMM measuring device can measure with a precision of 1.7 µm with a real-time temperature compensation system. This device successfully performs measurement operations with the highest accuracy requirements.

In addition, our high-tech products such as Trimos brand 2D measuring device, high-precision Vision Measurement Device and Surface Quality Measurement Device are also an integral part of our quality control processes. These devices are used to ensure high accuracy and reliability in the production process. As a result, our company can meet all kinds of production needs with the highest quality with its technological infrastructure, powerful machinery and advanced measuring devices. The care and sensitivity we show at every stage is reflected in the perfection of our products.

### **CONTACT DETAILS**

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# MEMBER PROFILE

## KORDON CUSTOMS CONSULTANCY LABEL LOGISTICS INDUSTRY AND TRADE INC.



**ABOUT US:** Kordon Customs Consultancy, which started its activities as Kordon Customs Consultancy in 2001, is one of the largest customs clearance companies in Turkey in its field with its expert staff and strong infrastructure in 105 customs administrations in 14 provinces, and serves many businesses in Turkey engaged in foreign trade activities with well-designed business processes with its group companies Kordon Logistics, Kordon Insurance and Kordon Academy.

### AREAS OF EXPERTISE

Logistics and customs services  
Foreign trade consultancy

### CONTACT DETAILS

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# MEMBER PROFILE

## KUTLUSAN KAFES EKİPMAN VE HAYVANCILIK SAN. VE TİC. A.Ş.



### ABOUT US

#### AREAS OF EXPERTISE

MACHINE DESIGN AND MANUFACTURING,  
AUTOMATION AND SOFTWARE,  
MOLD DESIGN AND MANUFACTURING,  
PROJECT COMMITMENT,  
SHEET PROCESSING,  
WIRE PROCESSING,  
MECHANIC PRODUCTION,  
WELDED PRODUCTION,  
ELECTRIC PANEL MANUFACTURING,  
ELECTRICAL WIRING AND ILLUMINATION,

#### ENGINEERING CAPABILITIES

- R&D
- Design
- Software

#### CERTIFICATES

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- ISO/IEC 27001:2013
- TSE-HYB
- TSEK

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Türkiye



# MEMBER PROFILE

## MERT ÇELİK METAL ÜRÜNLERİ SANAYİ VE TİCARET A.Ş.



### ABOUT US

Founded in 1998, Mert Çelik operates as a qualified steel service center for the automotive and sub-industry, machinery, construction and agricultural machinery, manufacturing industry, hot-cold forging, press-hydraulic industry, electronic-white goods industry, defense-aviation industry, mining and energy sector, transportation-railway, bolt manufacturing sector and many other sectors.

In 2021, with the bright steel production facility, Mert Çelik continues to take growth steps and today, with a total of 3 factories and 15,000 m2 closed area, Mert Çelik takes firm steps towards becoming one of the important players in the sector with its quality materials, good service, after-sales service support and result-oriented purchasing experience in the national and international market.



### AREAS OF EXPERTISE

- +/-1mm precision cutting processes
- Cold Drawing, Grinding, Peeling, Chamfering, Straightening and Sandblasting

### ENGINEERING CAPABILITIES

- Between Ø4mm-Ø1010mm cutting process
- Between Ø5mm-Ø27mm Wire Rod To Bar Cold Drawing
- Between Ø18mm-Ø80mm Peeling Production
- Between Ø20mm-Ø80mm Bar to Bar Cold Drawing
- Between Ø10mm-Ø90mm Grinding Production
- Between Ø10mm-Ø60mm Chamfering

### CERTIFICATES

- TS EN ISO 9001 Quality Management System

### CONTACT DETAILS

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# MEMBER PROFILE

## METROSAN END. ve ELK. MEK. CIH. ve TIBBI MALZ. SAN. TIC. LTD. STI.



### ABOUT US

Since its foundation in 1997, Metrosan has carried out design and production of projects from various industrial domains requiring high technology and knowledge. Its experience in production since 2005, as well as technological infrastructure, has made the company an effective manufacturing firm as an OEM for Turkish and foreign institutions in biomedical sector (Spinal Surgery). The company continues its activities thanks to ability of high-tech production and quality control devices, expert domestic and foreign employees, and the confidence of strong capital structure. By virtue of this confidence, Metrosan goes on to invest in machinery and information technologies and proceeds in order to become a globally prestigious and in demand firm when it comes to health sector. The company continues to develop its vision by transferring its experience in this domain to aviation and defense industry sectors, whose infrastructure it already established, in the upcoming years.

### AREAS OF EXPERTISE

The vision of Metrosan is to become a “world brand, skillful manufacturer company” that manufactures genuine products using high technology, has attained global competitiveness and provides service as OEM. Our manufacturing processes are conducted in an extensive domain via computer-aided design/ computer-aided manufacturing (CAD/CAM), fast prototyping, quality assurance and quality control departments. Our production competences consist of phases such as high-tech machining, laser marking and along with laser weld stations, ultrasonic washing, anodized coloring, acid surface cleaning, sandblast, polishing and sterile and non-sterile packaging after surface processes.

### ENGINEERING CAPABILITIES

- CNC lathe and machining center operations
- CNC multiaxial swiss type lathe Operations
- CNC vertical lathe
- CNC EDM operations
- CNC Multisensor Video-Camera Measurement System
- Contour Measuring Unit
- Surface Roughness Measuring Unit
- CMM – Coordinate Measuring Machines
- Profile Projector (Optical Comparator)
- Engineering; CAD/CAM applications
- Prototype applications
- Finite Elements Analysis; FEA applications

### CERTIFICATES

- EN ISO 13485
- TS EN ISO 9001
- TS EN ISO 17025
- AS 9100D
- Products' CE Certificates
- Patent/Utility/Brand Registration Certificates

### CONTACT DETAILS

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# MEMBER PROFILE

## NORM TOOLING



### **ABOUT US**

Established in 2003 NEDU started to manufacture dies for Fasteners and special machining products in 2006. Our company aims to provide high quality, cost efficient and best services just in time (JIT) and uses new generation manufacturing technologies, modern and comprehensive machinery, qualified and trained personnel to provide machining and cold forging dies

### **AREAS OF EXPERTISE**

Cold Forming Dies  
Machining Parts  
Washers

### **ENGINEERING CAPABILITIES**

Cold Forming  
Sheet Forming  
Machining Operations  
Process&Raw Material Development

### **CERTIFICATES**

TS EN ISO 9001 Quality Management System



### **CONTACT DETAILS**

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İzmir, TÜRKİYE





# MEMBER PROFILE

## OZ OPTICS OPTİK TİCARET A.Ş.



### **ABOUT US**

OZ Optics A.S. manufacturing facility founded in 2000 in Aegean Free Zone Gaziemir, Izmir and expanded its capacity and organization in Izmir with building and machinery investments starting in 2021. In addition to export portfolio, also plans to supply fiber systems in Turkey. Our seven different product groups are marketed and sold globally to over 10,000 customers in over 60 countries, through our well-established and extensive network of sales representatives and distributors, as well as through direct customer engagement.

### **AREAS OF EXPERTISE**

Our fiber optic product lines include: Components for OE Packaging, Attenuators, Laser-to-Fiber Delivery Components, Polarization Maintaining Components, Test Equipment, Fiber Optic Sensors, High Power Components, and Fiber Optic Components for OCT Applications.

### **ENGINEERING CAPABILITIES**

- Polarization Maintaining(PM) Components
- Hermetic Assemblies
- Fiber Optic Components
- Laser-to-fiber delivery
- High Power Components
- V-Groove Assemblies
- AR Coating
- Collimators

### **CERTIFICATES**



### **CONTACT DETAILS**

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# MEMBER PROFILE

## OZ-CELİK SANAYİ LTD STİ

**öz çelik**

Öz Çelik San. ve Tic. Ltd. Şti.

### ABOUT US

Oz-Celik is a company, established in 1987 by two mechanical engineers, and an economist, serving as machining industry.

Oz-Celik, which creates and produces world-class products according to different demands and needs of its customers with its research and development activities, constantly improves product quality, traceability and trust of its customers by following innovations and technological developments. However, it makes consumers, their customers and offers them the best service.

Primary targets of Oz-Celik, customer satisfaction and product quality. The outputs of each existing process within the organization, are associated with numerical data, and these outputs are regularly controlled by senior management. The company culture and goals are known to the employees and carry out their works with this cultural awareness.

Most of the employees are graduates of Industrial Vocational High School and Vocational High School, engineers work as department managers. All employees are provided with in-vocational training in line with their training programs, starting from the day they start work.

Oz-Celik serves mainly automotive, aerospace, defense, gas-electric water heaters and medical industry companies.

Since 2007, it has been exporting directly to Germany, France, Belgium, Netherlands and other European countries.

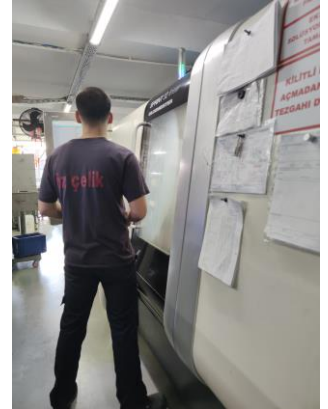
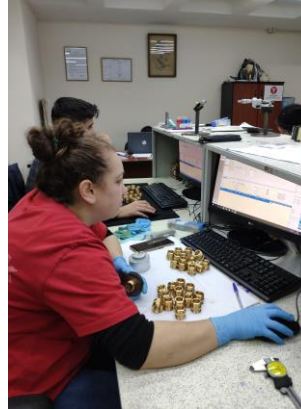
### ENGINEERING CAPABILITIES

With the 8-axis CNC machines of GILDEMEISTER SPRINT series they work from the bar, they also carry out their productions in the range of Ø40-100 mm for low quantities.

With the knowledge and experience gained from the Quality Management System established in 1995, Oz-Celik has equipped quality laboratories consisting of Coordinate Measuring Machine (CMM), measuring microscope, camera measuring microscope, surface roughness device, hardness measuring device and other measuring devices and experienced quality personnel. It ensures the reliability of the parts and produces at low PPMs.

### CERTIFICATES

- AS9100:2018
- IATF 16949:2016
- ISO 9001:2015
- EYDEP ES-101 B CLASS



### CONTACT DETAILS

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# MEMBER PROFILE

INDUSTRY AND LIMITED COMPANY "ÖZKAYA MAKİNA "



**ABOUT US** Founded in 1976, Özkaya Makina takes as principle sharing knowledge and experience in automotive, aviation and industrial area and producing with new solutions.

With its expert staff located in two bases; İkitelli (600 square meters) and Gölcük (150 square meters) our staple productions are,

Apparatus, fixtures, spare parts, service equipment, special projects control fixtures for the use of Automotive Sector,

Control fixtures , measurement ,transport apparatus, and special projects for aerospace Filters are also our main production areas feature /sizes on demand and in field of industry.

Our mission is to improve and develop our competence in aerospace and defense industry in accordance with talents.



## AREAS OF EXPERTISE

Our company,acts on the requests of our customers and partners for custom design and process, manufactured and sells its patented products.

## ENGINEERING CAPABILITIES

Design  
CNC proglamination CAM applications

## CERTIFICATES

- ISO 9001-2015
- Turkish Technic Certificate Approval

## CONTACT DETAILS

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# MEMBER PROFILE

## PAGETEL

# PAGETEL

### ABOUT US

PAGETEL designs and manufactures lightweight military shelters since 2001 at its facilities in Izmir. The shelters are used as mobile command and control centers for electronic warfare systems, air defence systems, communication and radar systems, and ground control and command systems for unmanned aerial vehicles. In addition to manufacturing the shelters, PAGETEL also provides full turn-key system integration and modernization solutions.

In line with customer requirements, PAGETEL produces and delivers shelters as bare or if needed, PAGETEL's expertise can be utilised to integrate all the required subsystems into the shelters for a turnkey solution.

PAGETEL's main customers include the Ministry of National Defence, the Turkish Armed Forces, domestic and international defence and aerospace companies, as well as NATO and NATO agencies (such as NC3A, NAMSA, etc.) and the armed forces of allied and friendly countries.

As the largest player in the defence and aerospace sector in its field, PAGETEL is capable of producing over 200 turnkey military shelters every year. Over 2,000 shelters carrying PAGETEL's signature are currently serving in the field. Modernization services are also provided for previously manufactured and deployed shelters based on user needs.

For its turnkey solutions, PAGETEL also designs and develops software to provide operators with information from all peripheral units, control these units, and establish automatic radio links between the systems.

PAGETEL can handle all processes from design to production and integration of cabling and various electrical distribution equipment in line with IPC-A-610 and IPC/WHMA-A-620 standards.

PAGETEL also provides engineering and technician support for mobile or fixed system integration projects abroad.





## OUR CAPABILITIES

### Design and Engineering

PAGETEL designs and integrates its indigenous solutions, operating in the defence and aerospace sector. The production process begins with shaping the designs according to the specifications defined by the end-user and the customer. The design, production, and integration of standard NATO&ACE shelters, as well as non-standard shelters upon request, are carried out through PAGETEL's innovative engineering approach.

PAGETEL offers preventive engineering solutions for RFI, EMI, EMP, TEMPEST, and CBRN threats in military shelters. With its deep knowledge and experience in military shelter design, production, and assembly services, PAGETEL is capable of creating custom-design military shelters tailored to meet user requirements.

### Subsystem Concept Design

The design of a shelter starts with the agreement on the mission profile and the concept use defined by the end user. PAGETEL can not only provide concept designs for military shelters but for civilian shelters for the purposes of control, communication, and port security as well., along with the required subsystems.

### Product Design

Based on the deployed location and the expected mission profile all system designs are carried out with the expertise and technology PAGETEL provides.

### Analysis

All shelters produced at PAGETEL facilities, undergo thorough simulation and analysis, including temperature, static, durability, and air-flow to prepare for field testing. The most challenging field conditions are simulated in all analysis studies.

### Prototype Development

PAGETEL can develop prototypes utilising cutting-edge technology in its field according to user requirements.

### System Integration

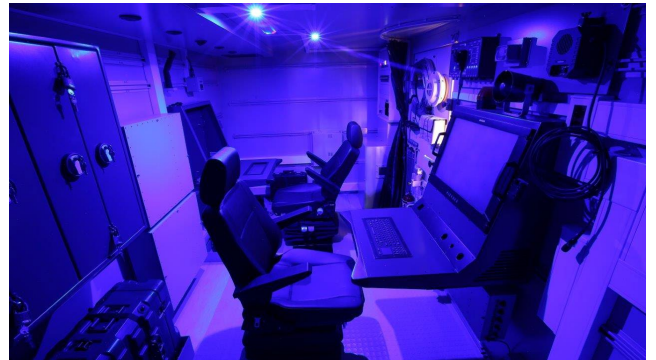
Serial manufacturing and the integration of military shelters provided at PAGETEL's facility by the experienced workforce.

### Production and Assembly

PAGETEL, capable of producing over 200 military shelters per year, performs all manufacturing operations including special processes like welding, chemical processes, painting and assembly for shelter cabins, as well as the assembly of electronical filter boxes and the installation of all cabling that are produced at PAGETEL's certified cable workshop, for the required integration of the systems into the shelter.

### Testing

PAGETEL's Izmir facilities all the required testing equipment and devices to perform tests in line with ACE 6516/SHCPE/86 standards.



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# MEMBER PROFILE

## PFW HAVACILIK SANAYI VE DIS TIC. LTD. STI. (PFW HS)



### **ABOUT US**

PFW HS operates with 500 employees on 32,000 m<sup>2</sup> and is a major partner on many commercial airplane programs. The company offers a wide range of manufacturing capabilities. PFW HS provides its complex aerostructures and tubes & ducts on a turnkey basis and is a center of excellence within the PFW Group, a global network of specialized manufacturing plants.

2 major customers are Airbus and Boeing.

The company's capabilities allow it to progressively move up the value chain assuming a greater work scope for its partners. This often includes the delivery of complete products, installed and ready to join with the adjacent system elements.

Consequently, for each individual project we're able to create a cost-effective, logistically optimized solution. We have developed the social and cultural competence required to act as a true system integrator for the international environment. Through added value by utilizing Lean Management concepts, customers benefit by shortened lead times, consistent quality, and lower costs.

### **MAIN CAPABILITIES AND AREAS OF EXPERTISE**

#### **Structures**

PFW HS' Structural Production capabilities are key strengths that are brought to the table. Based on our in-depth experience we have placed our focus on the continuous improvement of manufacturing technologies and Structural Production. Entering business in 2003, the company started its production with Additional Fuel Tanks of Airbus' A320 family passenger aircrafts. Since that time, PFW HS has enlarged its product range continuously, now including the Floor/Pressure Bulkhead, Belly Fairing and Ram

Air Turbine Frame of Airbus' A320 family aircrafts, the Inner Board Flap of A321, A400M Cargo Holding Structure and Additional Center Tank.

Key processes include: Drilling, Reaming, Sealing, Riveting, Heat Treatment, Chromate Coating and Painting.

#### **Tube Systems**

The continued investment in our skill base, capital equipment and process improvement enables PFW HS to manufacture a wide and complex variation of Tube Systems. In 2006, the company started its deliveries to Airbus and Boeing. Including A380, PFW HS has worked on every commercial program of Airbus and the 787 Dreamliner program of Boeing. Through a planned and controlled process, 6,000 different parts are handled and delivered with high on-time delivery performance.

Main operations are: Cutting, Bending, Laser Measurement, Alkaline & Organic Cleaning, Swaging, Orbital TIG Welding, Radiography, Pressure Testing and Marking.

#### **CERTIFICATES**

AS/ISO EN 9100, EASA Part 21G, Nadcap Approvals for Welding and Non-Destructive Testing, and Customer Approvals.



#### **CONTACT DETAILS**

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# MEMBER PROFILE

## PROMAKIM A.Ş



### ABOUT US

As Promakim 3D, we follow the leading technologies in the field of Additive Manufacturing. We have been operating in the 3D Technology Industry since 2014 and became representatives of various world-reowned leading brands. Promakim provides comprehensive technical training to its business partners on related issues and continues to follow-up after sales. We carry out both system sales and services, especially to the Defense Industry, Automotive, Space and Aviation, Medical and consumer goods sectors.

### AREAS OF EXPERTISE

In addition to the sales service of systems that produce using many different materials, including composite materials (carbon fiber, fiberglass, bullet-proof kevlar, nylon, etc.), metals (stainless steel, tool steels, copper, etc.) and thermoplastic resins, Promakim also provides parts production on demand. At the same time, these materials, especially organizations that make critical productions in different areas of the Defense Industry sector; provide the most suitable solutions for the important needs of manufacturers in aerospace and automotive industries as well. In our structure; we have systems that can print with Industrial SLAs, Composite Materials -Peek, Pekk, Pei, Ppsu, Ultem, FiberGlass, Carbonfiber, Kevlar and some photopolymer materials, and systems designed to be used in scanner and post-production processes.

### ENGINEERING CAPABILITIES

- Engineering / CAD
- Design and manufacture of special purpose
- Advanced production techniques
- Development parts design for manufacturing
- Working with solid 3D models
- Design and production of the fixture
- Reverse engineering

### CONTACT DETAILS

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Title: Business Development

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Web: [promakim.com.tr](http://promakim.com.tr)

Address: İkitelli Org. San. Bölğ. Ziya Gökalp Mh.

Mutsan San. Sit. M12 Blok No: 44-50 İkitelli/ İstanbul





# MEMBER PROFILE

## REFORM KALITE MUHENDISLIK SAN. VE TIC. LTD. STI.



### ABOUT US

As Reform Quality Engineering, we are a company established to provide services in the field of non-destructive testing (NDT). With the motto "For the Better", we take our place among the leading companies in the sector. We are proud to be the only approved system in the Aegean region from TUBITAK SAGE for Penetrant and Magnetic controls in our own workshop. We offer high quality standards in various sectors such as defense industry, medical, energy and petrochemicals. We provide reliable and quality solutions by prioritizing customer satisfaction.

### AREAS OF EXPERTISE

Non-Destructive Testing Activities;

- 1- Radiographic Testing (Gamma / X-Ray)
- 2- Magnetical Partical Testing (AC/DC)
- 3- Penetrant Testing (Type-I, Type-II)
- 4- Ultrasonic Testing
- 5- Visual Testing

### CERTIFICATES

- EN ISO 9001-2015
- EN ISO 19011-2018
- TS EN ISO/IEC 17020: 2012

### CONTACT DETAILS

Contact Name: Mert Arslan YESILKAGIT

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Fax: -

e-mail: info@reformndt.com

Web: www.reformndt.com

Address: Aydin Neighborhood, 4307 Street Number  
35, Karabaglar / IZMIR / TURKEY





# MEMBER PROFILE

## REPKON Machine and Tool Industry and Trade Inc.

# REPKON

### ABOUT US

REPKON is a provider of turn-key complete production plants for the metal forming sector as well as a designer, manufacturer and supplier of key metal forming machines for the global market, with a well established reputation for outstanding performance of Aviation & Aerospace and Defence Industry.

### AREAS OF EXPERTISE

Recognized worldwide for its proprietary design and manufacturing know how, REPKON has been selling sheet metal forming equipment to producers across the globe since 1978. REPKON is a diligent supplier of custom-made solutions strictly focused on customer requirements with over four decades of track record for challenging conventional methods to come up with ingenious superior results with Flowforming Machine, Rotational Cold Forging Machine for Barrel Production, Shear forming Machine, Hot Spinning Machine, Press and Tooling Production.

### ENGINEERING CAPABILITIES

- Design
- Manufacturing
- R & D
- Mass production

### CERTIFICATES

- ISO 9001:2005
- CE
- ATEX



### CONTACT DETAILS

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Fax: +90 (216) 739 59 14

e-mail: repkon@repkon.com.tr

Web: www.repkon.com.tr

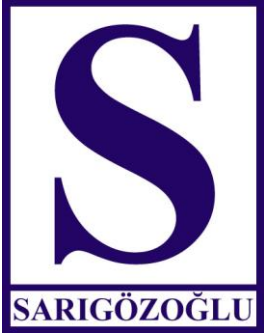
Address: Balibey Mahallesi, Fabrika Sokak No: 1,  
34980 Şile, İstanbul, TÜRKİYE



# MEMBER PROFILE

## SARIGOZOGLU

### HIDROLİK MAKİNA VE KALIP SANAYİ VE TİC. A.Ş.



#### ABOUT US

**SARIGOZOGLU A.Ş.** was established in 1957 by İsmail Sarigozolu in İzmir, TURKEY. SARIGOZOGLU A.Ş. serves to the leading OEMs' of the automotive industry such as Ford, Tofas, Mercedes, Renault, BMW, Audi, Bentley, Volkswagen, Jaguar, Porsche with its knowledge, experience and technological power.

SARIGOZOGLU A.Ş. continues to grow and develop constantly with its investments in Manisa (1976), Aksaray (1999) and Bursa (2009). Currently **SARIGOZOGLU A.Ş.** is working in sheet metal forming and tooling in 3 different locations with 4 plants and 1015 employees since three generations.

**SARIGOZOGLU A.Ş.** carries out car parts and toolings' all production stages such as design, method, simulation, cad-cam, 2D-3D processes, assembly, under-press training, sample printing, measurement, reporting and is one of the advanced suppliers of the automotive industry with its this turnkey working style.

Even though **SARIGOZOGLU A.Ş.** produces mainly for automotive industry, but also produces white goods parts, especially inner and outer combi parts to Bosch in Turkey, France, Germany and UK for years.

#### AREAS OF EXPERTISE

Interior and Exterior Metal Car Parts and Tooling Production (roof panel, side panel, chassis, fender, engine hood, deck lid, battery case, underbed cabinet etc.)

#### ENGINEERING CAPABILITIES

- Design
- Product Development
- Production with Automation (Press/Welding/Assembly)



#### CERTIFICATES

- ISO 9001
- ISO 14001
- ISO/TS 16949
- Q1

#### CONTACT DETAILS

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Title : Vice Chairman

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Web : [www.sarigozoglu.com.tr](http://www.sarigozoglu.com.tr)

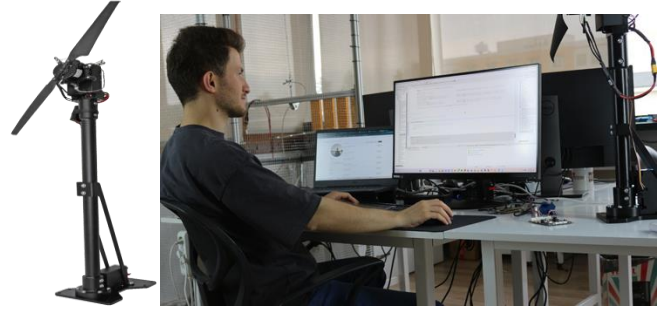
Address : Organize Sanayi Bölgesi 2.Kısım

Mustafa Kemal Bulv. No:7 45030 Yunusemre/MANISA



# MEMBER PROFILE

## Semai Aviation Ltd.



### **ABOUT US**

Semai, founded in 2020 by Bülent Tanilli, is carving a path to more secure and environmentally friendly urban aviation. At the core of our mission, we aim to position ourselves within the top 25 Urban Air Mobility entities globally. We are committed to leveraging the rich human resource potential in Turkey to create value and stimulate job growth in this emerging industry. Our products and projects are celebrated for their exceptional precision and ambition, allowing users to rely on the accuracy of the data collected and future endeavors. This stems from our dedication to precise measurement, meticulous research, and smart designs. Catering to a burgeoning international market, Semai Aviation doesn't just supply products and software; we provide the impetus for a smarter, more sustainable future. We are a driving force aiding leading-edge companies and research bodies around the globe.

### **AREAS OF EXPERTISE**

Aviation, electric propulsion test benches, aerospace, dynamic motor and propeller balancing, UAV and eVTOL

### **ENGINEERING CAPABILITIES**

Design, R&D, Prototyping, Manufacturing, testing, production

### **CONTACT DETAILS**

Contact Name: Bülent Tanilli

Title: Founder/CEO

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Ortaklar İş Merkezi A1 Blok Kat 1 No:43 34490  
Başakşehir-Istanbul





# MEMBER PROFILE

## SİSKON ENDÜSTRİYEL OTOMASYON SİSTEMLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ



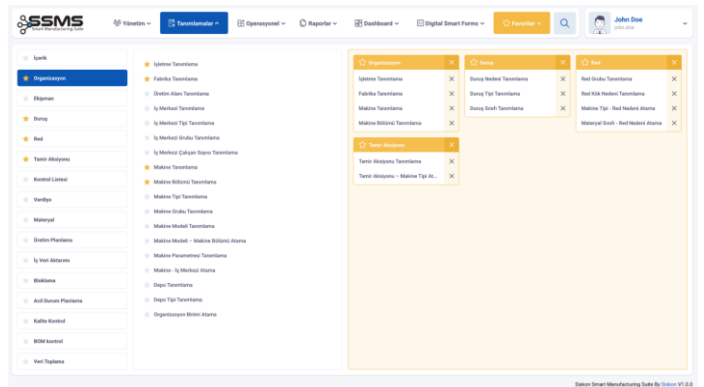
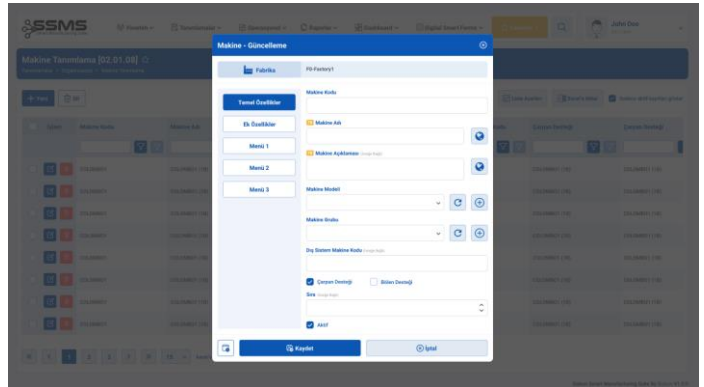
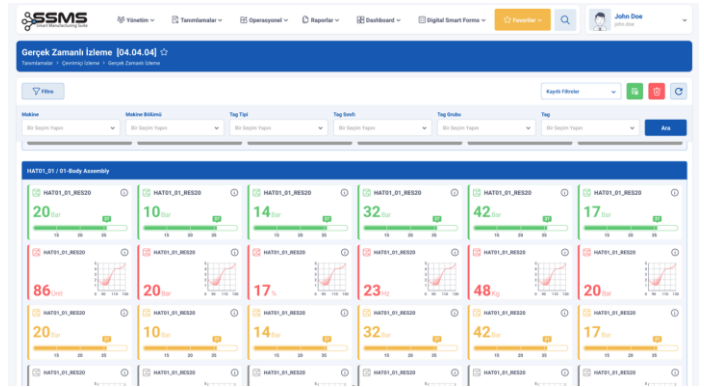
### ABOUT US

Siskon Software & Automation, Siskon is an engineering company specialised in data acquisition, industrial automation and customer-specific software and providing professional services since 1997. It offers turnkey solutions to tobacco, food, white goods and automotive sectors with consultancy, project analysis, equipment selection / procurement, application software, system assembly, commissioning, documentation, training and after-sales technical support services.

Siskon's industrial software solutions offer a wide range of services from process control to data acquisition and analysis, providing customised solutions tailored to the needs of its customers.

We invest time and money in continuous development in order to be the most reliable, valuable and innovative software development partner of our customers.

We strive to develop projects compatible with the most advanced and cutting-edge technologies (mobile, cloud, etc.) and to provide services at all stages of industrial software and industrial automation projects.





## AREAS OF EXPERTISE

Industrial Special Software Solutions  
Machine and Process Automation Solutions  
Traceability Solutions  
Image Processing Solutions  
Industrial Internet of Things  
Integration  
Development of Collaborative Robot Software  
Big Data and Machine Learning Consultancy

## ENGINEERING CAPABILITIES

- Software and hardware integrations
- Machine and process automation
- Remote access and control systems
- IPC, PLC, IO, SCADA and HMI software for data acquisition systems
- Software solutions developed with SQL Server, C#, ASP.Net
- Traceability solutions: Individual product tracking, BOM Check, Critical Component Tracking, Blocking, POKA/ YOKE, RFID, Barcode
- System integrations : Horizontal and Vertical

## CERTIFICATES

- IMS 9001:2015 Quality Management System
- IMS/IEC 27001:2022 Information Security Management System
- IMS/IEC 27701:2019 Personal Data Management System

## Siskon RIO



## Siskon RIO D



## Siskon RIO AIR



## Siskon RIO Energy



## CONTACT DETAILS

Contact Name: MUVAFFAK AMASYA

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Web: [www.siskon.com.tr](http://www.siskon.com.tr)

Address:

**Centre Address:** 153 St. No:23/A Konak/ Izmir

**Branch Address:** Dokuz Eylül University Tınaztepe Campus DEPARC Beta Building Adatepe St. Dogus Avenue No:207/AG Fl:2 No:202 Buca/ Izmir



# MEMBER PROFILE

## STM SAVUNMA TEKNOLOJİLERİ VE MÜH. TİC. A.Ş



### ABOUT US

STM Savuma Teknolojileri ve Mühendislik Ticaret A.Ş. also known as STM, was established in 1991 to render project management, engineering, and consultancy services to the Presidency of Defence Industries (SSB) and the Turkish Armed Forces (TSK) in areas where high technology is involved. Since then, STM has carried out such duties successfully while introducing various critical technologies to our country. STM has also been a leader in bringing domestic contribution rate in the Turkish Defence Industry up to its current level by bringing on board qualified expert personnel that is much needed for the procurement of high technology defence systems and the transfer of such technologies. STM has combined its work in various defence industry projects focusing on different software and platforms with its engineering know-how and the experience it has acquired over the years; this has led to the development of various projects and products in addition to its consulting activities. The technical know-how and experience acquired within the scope of consulting services have supported our departments that are working on other projects while the corporate experience fed by the operations in such fields has contributed considerably to our consultancy services

### AREAS OF EXPERTISE

Military Maritime, Autonomous Systems, Cyber Security and Big Data, Satellite and Space, Command Control, Civil and Military Aviation.

### ENGINEERING CAPABILITIES

- Design and Engineering Activities
- Project MANAGEMENT
- R&D Activities
- Platform / System Integration
- Material / Device / System Supply
- Infrastructure, Bench, Facility Works
- System Maintenance / Repair Activities
- Supply Model Determination and Feasibility Studies
- Integrated Logistics Support Activities
- Factory (FAT), Port Acceptance Experiences (HAT) and Marine Experiences (SAT) Support
- Industrialization Activities
- Consulting Activities

### CERTIFICATES

- EASA IR 21
- CS 23,25,29,E
- FAR 23,25,29,33
- MIL-HDBK-516
- SAE / ARP 4761,4754A
- MIL- STD-882
- DO-178B, DO-254, DO-160
- MIL-STD-810

### CONTACT DETAILS

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Address: **Mustafa Kemal Mahallesi 2151.Cadde**

**No:3/A 06530. Çankaya - ANKARA**



# MEMBER PROFILE

## TERBAY MAKİNA A.Ş.



### ABOUT US

Terbay Makina A.S. was established in 1954 in Izmir, Turkey. Currently we are serving Heavy Road Machinery, Maintenance Machinery, Tractor and Commercial Vehicle industries as OEM by supplying welded, machined and painted steel parts for serial orders. We export 90% of our production to Europe.

### AREAS OF EXPERTISE

Production of sheet steel & profile parts for Heavy Duty Road & Maintenance Machinery, Commercial Vehicles, Agricultural Vehicles and Defence Industries. Close to 400 different parts are produced for Heavy Duty Road & Maintenance Machinery. Close to 2000 different parts are produced for Commercial Vehicles (for bus, minibuss, truck&vans). Close to 100 different parts are produced for Agricultural Vehicles. Close to 50 different parts are produced for Defence Industry. These productions are done as O.E.M for a given and approved production program.

### ENGINEERING CAPABILITIES

- Laser and oxygen-plasma cutting
- Bending
- Stamping
- Machining
- Welding with jigs and fixtures

- Shot blasting
- Surface cleaning and painting (electrostatic powder coating and wet spray painting)

### CERTIFICATES

- IATF 16949
- ISO 9001
- ISO 14001
- OHSAS 18001
- DIN EN ISO 3834-2
- EN ISO 9606-1

EN 1090-2 EXC 3

### CONTACT DETAILS

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Title: Project and Proposal Engineer

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# MEMBER PROFILE

## TİMSAN A.Ş.



### ABOUT US

Timsan Tractor which is the sole and single manufacturer of Diesel/Electric Powered Baggage, Cargo, Aircraft Tow and Push Tractors and Helicopter Carrier Platforms in Turkey, was established in Izmir Ataturk Organized Industrial Zone in 2010.

As per the new trend in the ground support operations for clean airports concept, Timsan Tractor has intensified its resources to develop Battery Driven Electric Powered Equipment with its expert team of 20 Employees in 2.000 m<sup>2</sup> Area.

Timsan Tractor has

manufactured 130 aircraft and baggage tow/push tractors which were delivered to the Civil and Military Customers All Over The World, in a 10-Year Period (till 2020) starting from its establishment date.

Timsan Exports 60% of its turnover. Timsan tractor's products are used in 13 countries including Tunisia, Algeria, Cyprus, Iraq, Tanzania, Philippines, Sri Lanka, Azerbaijan, Kazakhstan, Italy, Romania, Saudi Arabia and Pakistan.

### AREAS OF EXPERTISE

Timsan Tractor specializes in the production of diesel and electric propelled luggage, cargo, aircraft towing vehicles and helicopter carrier equipment.





## **ENGINEERING CAPABILITIES**

Timsan Tractor prioritizes aesthetic, quality and most of all safety rules dictated by national/international standards on its products.

As per the current interest is highly focused on reducing the carbon emission, Timsan Tractor is giving high priority to develop electric driven vehicles for clean environment and working hard to include such items in all categories of its product line.

To create added value to our national economy, Timsan Tractor is manufacturing the most of the items previously procured through import in its activation area and delivering successfully to domestic and international customers. With this special capability, Timsan Tractor has achieved a well-known name in International market.

## **CERTIFICATES**

- ISO 9001:2015
- Certificate Of Domestic Goods

## **CONTACT DETAILS**

Contact Name: Celil ÇOLAK

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Fax: -

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Web: <http://timsantraktor.com/>

Address: Timsan Traktör Üretim Montaj Sanayi ve Ticaret A.Ş. 10007 sok. NO:22 A.O.S.B, Çiğli, İzmir, Türkiye





# MEMBER PROFILE

## ÜNSPED GÜMRÜK MÜŞAVİRLİĞİ VE LOJİSTİK HİZMETLER A.Ş.



UNSPED CUSTOMS CLEARANCE & SERVICES CO.



### ABOUT US

UGM was established in 1981 as a customs brokerage and consultancy company. Having a workforce of 1350 employees in 54 offices, UGM serves as a sustainable and ethical solution partner. Since 2015 UGM is being audited yearly by a well-known licensed rating company and our corporate governance rating was 9,17 for 2018. UGM giving priority to the development of technological infrastructure and innovations, provides consultancy in legislation, law, incentives, release of guarantees and standardization.

### BASIC ABILITIES and EXPERTISE AREAS

We support our business partners in areas including customs activity which are; import, export, government stimulation program, standardization, collateral management, brokerage and regulations support, legal services, and courier services.

Our company even has experience concerning the import of spare parts in the aviation sector, for this reason our company is working with a special team focused on the aviation, space and national defense industry. We provide customs services to well known branch members.

### CERTIFICATIONS & QUALIFICATIONS

- Environment Management System Registration Certificate ISO 14001:2004
- Quality Management System ISO 9001:2008
- Occupational health and safety management system OHSAS 18001:2007
- Business Continuity Management System ISO 22301: 2012
- Anti- Bribery Management System ISO 37001 :2016
- Information Security Management System ISO 27001:2013
- Customer Satisfaction Management System ISO 10002 :2014
- Ar-Ge Central Document
- Authorized Economic Operator Certificate (AEO)
- Turkey's 500 largest service exporter certificate of achievement
- 2018 World Fair Play Certificate
- TSE Covid 19 Safe Service Certificate
- Supply Chain Security Management System - ISO 28000:2007

### CONTACT DETAILS

Contact Name: Gokhan GOK

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Web: [www.ugm.com.tr](http://www.ugm.com.tr)

Address: Mahmutbey Mahallesi 2655. Sokak

No:3 Bağcılar / İstanbul / TÜRKİYE



# MEMBER PROFILE

## VOLT TECHNOLOGY DEVELOPMENT AND ENGINEERING INC.



### ABOUT US

Volt Defense offers its innovative products to the global market in defense industry and aviation fields by combining its unique design and advanced technology capabilities with high production power. Electric motors and drivers provide power transmission systems, weapon and ammunition subsystems, and continuous development and sustainability in electromechanical drive systems from R&D to integrated logistics support process. It improves its integration and design experiences in line with the principle of 'localization' and supports Platform and System manufacturers in line with their needs.

### AREAS OF EXPERTISE

With its experienced staff and high-tech benches in its facilities established in a 45.000 square meter closed area; Machining, Coil Winding, Mounting, Lamination, Metal Injection, Plastic Injection Mold Manufacturing, Cabling, Wire Erosion and Painting processes.

Design Volt Defense, making high-tech electrical, electronic, mechanical designs and analytical models; it also has prototype and mass production capabilities.

And also; setting up an automatic production line; design and production of test systems; machine, mold, apparatus design and production projects.

### ENGINEERING CAPABILITIES

- ELECTRIC MOTORS AND POWER SYSTEMS
- ELECTROMECHANICAL ACTIONS AND TORQUE MOTORS
- MOTION CONTROL SYSTEMS AND DRIVERS

### CERTIFICATES

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- ISO 10002:2014



### CONTACT DETAILS

Contact Name: Ulaş TUTAN

Title: deputy General Manager

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Web: <https://www.voltsavunma.com.tr/>

Address: Kemalpaşa OSB Mah. 31.Sk. No:8

Kemalpaşa 35735 – İzmir – Türkiye

AEROSPACE CLUSTER ASSOCIATION - ACA																
CLUSTER COMPETENCY MATRIX																
#	COMPANY NAME	PLACE OF OPERATION	TIER DISTRIBUTION				COMPETENCY DISTRIBUTION									UNIVERSITIES / R&D CENTERS & TECHNOPARKS
			TIER 1	TIER 2	TIER 3	TIER 4	METAL PARTS & SYSEMS	ELECTRIC + ELECTRONIC PARTS & SYSTEMS	SOFTWARE SYSTEMS	EQUIPMENT SUPPLIERS (OEM)	Heat Treatment	Surface Treatment	Test / Laboratory & Analysis	Logistics & Customs brokerage	Other	
1	Altek Metal	Ankara	x	x			x									
2	Andar Elektromekanik Sistemler	Ankara						x								
3	Bodycote İstaj	Gebze, İzmir, Bursa	x	x	x						x	x	x			
4	Egemet Metal Döyme San. Tic. Ltd. Şti.	İzmir		x			x									
5	ESBAŞ	İzmir	N/A	N/A	N/A	N/A										
6	Fokker Elmo Havacılık Ltd. Şti.	İzmir	x	x				x							x	
7	FTB - Lisi Aerospace	İzmir	x	x			x									
8	Havelsan A.Ş.	Ankara	x	x					x	x						
9	Kaan Makina	İzmir	x	x			x									
10	Kale Havacılık Sanayi A.Ş.	İstanbul	x	x			x									
11	Kale Pratt & Whitney	İzmir	x	x			x									
12	Kutlusan Kafes	İzmir				x	x									
13	Öz-Çelik San.Tic.Ltd.Şti.	İstanbul		x	x		x									
14	Özgül Makine Talaşlı İmalat San.	Manisa		x			x									
15	Özkaya Makine	İstanbul		x	x		x									
16	PPW Havacılık Sanayi ve Dış Tic. Ltd. Şti.	İzmir	x	x			x									
17	Repton Makina ve Kalıp San. ve Tic. A.Ş.	İstanbul	x	x			x		x							
18	Sarıoğlu A.Ş.	Manisa	x	x			x									
19	Sentes-BİR A.Ş.	İzmir		x	x						x	x				
20	Sistaş	İzmir		x	x		x									
21	STM A.Ş.	Ankara	x	x				x	x	x						
22	TERBAY Makine	İzmir		x	x		x									
23	TİMSAN Traktör	İstanbul	x	x						x						
24	TeknoGATE	İzmir														
25	ÜNSPED Gümrük Müşavirliği ve Lojistik Hizmetleri A.Ş.	İstanbul	N/A	N/A	N/A	N/A								x		
26	Volt Teknoloji Geliştirme ve Mühendislik A.Ş.	İzmir		x	x		x									
27	3D Model	İstanbul														
28	PRODIGMA A.Ş	İstanbul														
29	Bayramoğlu Endüstriyel Çelik A.Ş.	Bursa					x	x		x						
30	Norm Tooling	İzmir					x				x		x	x	x	
31	AYET Anadolu Yıldızları Hava Taşımacılığı ve Uçuş Eğitim Hizm. A.Ş.	İstanbul	N/A	N/A	N/A	N/A	x	x						x	x	
32	PAGETEL Sistem Müh. San. Tic. İtd. şti	İzmir	x	x			x					x	x			
33	OZ OPTICS optik Ticaret A.Ş.	İzmir	x	x			x		x							
34	Gflight Teknoloji ve Simülatör Sistemleri	İstanbul	N/A	N/A	N/A	N/A		x	x						x	
35	Kordon Gümrük Müşavirliği A.Ş.	İzmir	N/A	N/A	N/A	N/A								x		
36	ANET Hassas İşleme San. Ve Tic. Ltd. Şti.	İzmir														
37	İzoreel Kompozit İzole Malz. San. Tic. Ltd.	İzmir	x	x											x	
38	Siskon Endüstriyel Otomasyon Sis. San. ve Tic. A.Ş.	İzmir						x	x				x		x	
39	Mert-Çelik Metal Ürünleri San. ve Tic. A.Ş.	İzmir	x	x	x	x	x							x	x	
40	Makner Mühendislik Makine ve Enerji San. Tic. Ltd. Şti	Manisa													x	
41	Reform Kalite Mühendislik San. Ve Tic. Ltd. Şti.	İzmir	N/A	N/A	N/A	N/A							x			
42	Semal Havacılık AR-Ge İleri Müh. San. Tic. Ltd.	İstanbul/Gebze	x	x			x	x	x						x	
43	Metrosan End. Ve Elk. Mek. Cih. Ve Tıbbi Malz. San. Tic. Ltd.	Manisa														
44	HPT Hartner Teknik Parça San ve Tic A.Ş.	İzmir	x	x			x									
45	KARMA YÜKSEK TEKNOLOJİ GELİŞTİRME AR-GE MÜHENDİS	İzmir					x	x								
46	ERA METALURJİ A.Ş.	İzmir														
47	DEMİRAL MAKİNE İNŞAAT VE PAZARLAMA SAN. TİC. A.Ş.	Manisa														



#	Aerospace Cluster Association - Member Companies List
1	3DModel
2	Altek Metal
3	Andar Elektromekanik Sistemler
4	ANET Hassas İşleme Sanayi
5	AYJET Anadolu Yıldızları Hava Taşımacılığı ve Uçuş Eğitim Hizm. A.Ş
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10	ERA metalurji A.Ş
11	ESBAŞ
12	Fokker Elmo Havacılık Ltd. Şti.
13	FTB - Lisi Aerospace
14	Gflight Teknoloji
15	Havelsan
16	HPT Hartner Teknik Parça San. Ve Tic. A.Ş
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19	Kale Havacılık Sanayi A.Ş.
20	Kale Pratt & Whitney
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22	Kordon Gümrük Müşv.
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24	Makner Mühendislik
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26	Metrosan End. Ve Elk. Mek. Cih. Ve tıbbi malz.
27	Norm Tooling
28	OZOPTICS Optik Tic.
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30	Özgül Makine
31	Özkaya Makine
32	Pagetel
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37	Sarıgözoğlu A.Ş.
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39	Sentes-BİR A.S.
40	SİSKON endüstriyel otomasyon sis. San. Tic. A.Ş
41	Sistaş
42	STM A.Ş.
43	TeknoGATE
44	TERBAY Makine
45	TİMSAN Traktör
46	ÜNSPED Gümrük Müşavirliği ve Lojistik Hizmetleri A.Ş.
47	Volt Teknoloji Geliştirme ve Mühendislik A.Ş.



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