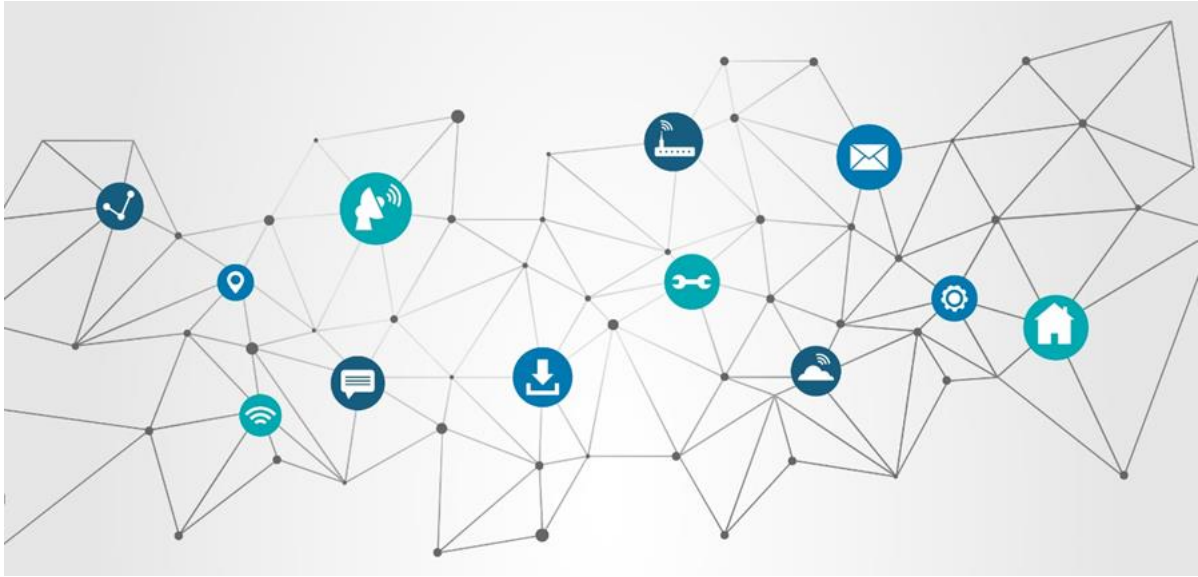




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Cambra de Comerç
de Barcelona



International Networking Mission – Railway Industry

Barcelona, Spain

February 10-14, 2020





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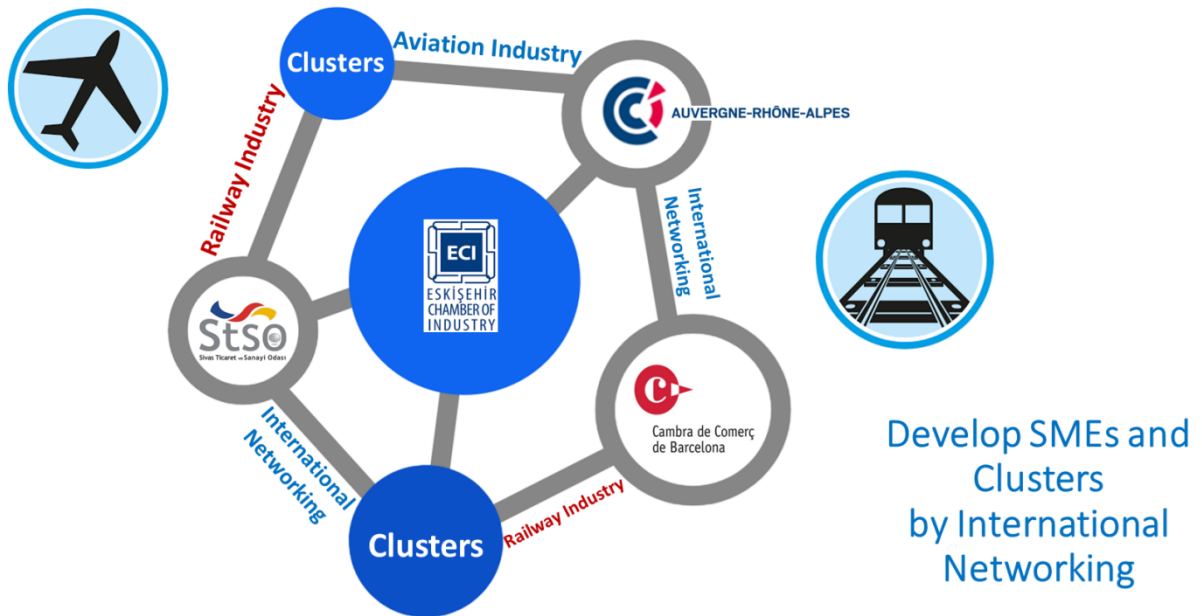
International Networking Mission – Railway Industry Barcelona, Spain February 10-14, 2020

This activity is carried out under the project “Develop SMEs and Clusters by International Networking” which is financed by the European Commission. The project aims at assisting Turkish and European SMEs and Clusters in order to develop and further expand their international business by creating networks between counterparts, thus promoting the collaboration and integration of Turkish and European business communities.

International Networking Mission offers a proven cost-effective tool for helping companies learn first-hand about foreign markets by attending market briefings, visiting sale channels and meeting face to face with qualified potential business partners. The program to Barcelona is organized in order to establish new partnerships between Turkish and Spanish SMEs, and promote the internationalization level of regions.

Project Concept

The concept of the Project is its name, Develop SMEs and Clusters by International Networking. We have Aviation and railway industries, Chambers, clusters and manufacturers in the Project, and we are aiming to develop business between them by international networks.

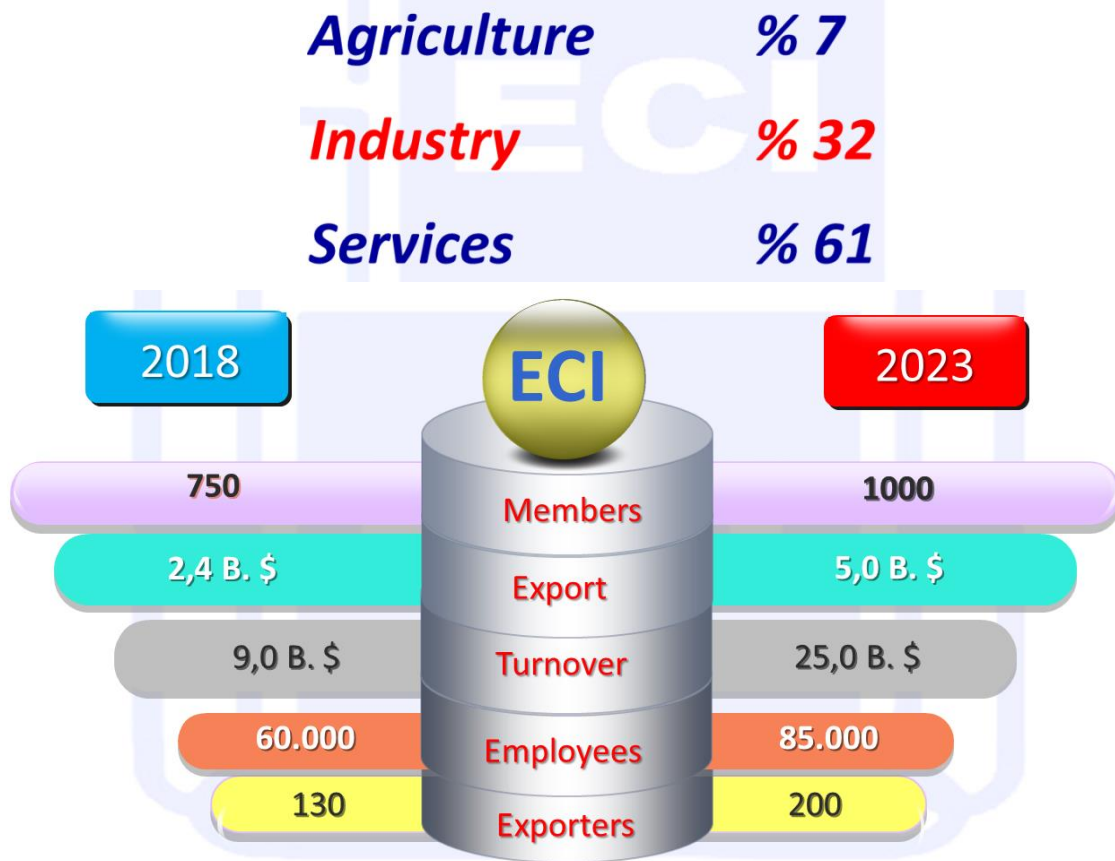




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Eskişehir Industry at a Glance

Sectoral Distribution of GDP in Eskişehir



Sectoral Breakdown of Industry

- ✓ Machinery Production Industry % 23,1
- ✓ **Metal Working Industry** % 16,1
- ✓ Chemicals, Plastics and Rubber Industry % 12,4
- ✓ **Food Industry** % 11,6
- ✓ Forest Products, Paper and Furniture Industry % 10,2
- ✓ **Mining Industry** % 8,0
- ✓ Soil Based Production Industry % 7,7
- ✓ **Textile and Clothing Industry** % 2,3
- ✓ Others % 8,7



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Competitive Sectors in Eskişehir



- ✓ Aerospace and Defense Industry
- ✓ Machinery Production and Metal Goods Industry
- ✓ White Goods and Supplier Industry
- ✓ Construction Material and Advanced Ceramics
- ✓ Railway Industry



Aircraft/Helicopter Engine

- TUSAŞ Aviation (1985)
- ALP Aviation (1999)



Truck Engine

- FORD Automotive (1982)



Eskişehir, the Unique Center of Engine Production in Turkey

ESKİŞEHİR

- ## Locomotive Engine
- TÜLOMSAŞ (1894)



Ship Engine

- TÜLOMSAŞ (1894)



RSC with Numbers

- ✓ Number of Members : 40
- ✓ Total Turnover (2018) : 600 M. USD
- ✓ Total Export (2018) : 60 M. USD
- ✓ Number of Employees : 3.500 +
- ✓ Some International Reference Companies :

General Electric, General Motors, Hyundai ROTEM, Toshiba,
MTU, MTE, ABB, TCDD, ASELSAN ...





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RSC - Capabilities

- Locomotive Production
- Light Rail Systems, Tramcar Production
- Wagon and Component Production
- Cabins and Chassis Production
- Bogie Production
- Diesel Engine Production
- Traction Motors and Driver Production
- Alternator and Generator Production
- Brake Systems Production
- Electronic Control Systems Production
- Software Development
- Power Systems and Cabling
- Accurate Casting
- Precision Machining
- Electrification Solutions
- Signaling Solutions
- Assembling, Furnishing, Painting and Coating

Anadolu University Railway Systems Excellence Center (URAYSIM)

Project Budget: 50 M. EUR
Completion Date: October 2023

• **STATIC TESTS**

• **MECHANIC**

- Static bogi test
- Vehicle tilt coefficient, balance and z-axis measurements
- Static pneumatic brake test
- Loading tests
- Noise measurement
- Thermal measurement
- Lightning and air condition systems tests
- Leakage tests

• **ELECTRICAL**

- Insulation and EMC tests
- Power supply, security, HVAC and information systems tests
- Alert Systems, grounding and protection systems

• **DYNAMIC TESTS**

• **MECHANIC**

- Brake power test
- Vibration test
- De-rail resistance and security tests
- Mechanic stress tests
- Thermal tests
- Tracting and hauling tests
- Noise measurement
- Türkiye time, rail reference tests
- Emission tests

• **ELECTRICAL**

- Performance and vehicle dynamics tests
- Hauling&tracking and brake tests
- Hauling&tracting power, in-power supplys, security systems tests
- Thermal tests





This project is financed by
the European Union



Railgrup at a Glance

Railgrup was founded in 2002 as the product of an initiative to strengthen the competitiveness of the railway sector and industry, led by what was then called the General Directorate for Industry, with the participation of the Department of Regional Policy and Public Works of the Regional Government of Catalonia.



Aware of the importance of railway development at all levels and the need to professionally address studies for its improvement, the primary objective of Railgrup is to boost the overall competitiveness of its members, promoting, representing and defending their collective interests.

It currently has around 100 business members, with an overall turnover of €17 billion (2019).

Railgrup with Numbers

81 Associated companies.	5 International sessions.
695 Companies involved in the activities.	7 Work groups.
13.819 M€ Turnover.	10 M€ Funding achieved.
47 Collaborative projects.	8 Participations in trade fairs and congresses.
12 Projects launched.	240 Networking between partners.
145.117 Associated employees.	

Railgrup Services

- Intersectoral technological and value chain cooperation.
- Promotion of joint commercial activities.
- Specialized training and technological workshops.
- Internationalization programs.
- Specialized training.
- User-oriented collaboration between companies.

Activities of Railgrup Member Companies

Administrators and Universities	Logistics and Transportation
Operators	Machining, Welding and Assembly
Rolling Stock Manufacturers	Technological and Investigation Centers
Construction and Infrastructure	Training and Certification
Engineering and Consulting	Telecommunications and ICTs
Interior Design and Maintenance	Collaborating Entities
Systems and Components	





This project is financed by the European Union



Railgrup Members



Program, Barcelona, 10-14 February 2020

February 10, 2020

04.00 Meet (in front of Migros at Atatürk Bulvarı) and Transfer to Sabiha Gökçen Airport
 11.05 Departure to Barcelona (THY)
 12.55 Arrival at Barcelona and Transfer to Lleida

February 11, 2020

10.00 - 12.00 Factory Visit in Lleida (Company will be determined)
 12.00 - 14.00 Lunch
 14.00 - 15.30 Factory Visit in Lleida (Company will be determined)
 15.30 - 17.00 Factory Visit in Lleida (Company will be determined)
 17.00 Transfer to Barcelona

February 12, 2020

10.00 - 12.00 Bilateral Business Meetings Between Companies in the Hotel
 12.00 - 14.00 Lunch
 14.00 - 16.00 Bilateral Business Meetings Between Companies in the Hotel
 19.00 - 21.00 Networking Reception

February 13, 2020

10.00 - 12.00 Factory Visit in Barcelona (Company will be determined)
 12.00 - 14.00 Lunch
 14.00 - 15.30 Factory Visit in Barcelona (Company will be determined)
 15.30 - 17.00 Factory Visit in Barcelona (Company will be determined)

February 14, 2020

10.30 Check-out from the hotel and Transfer to Barcelona Airport
 13.50 Departure to Sabiha Gökçen Airport (THY)
 19.25 Arrival at İstanbul and Transfer to Eskişehir





This project is financed by
the European Union



Participant Companies



Name of the Company: TÜLOMSAŞ (Turkish Locomotive & Engine Industry Inc.)

Name of the Representative: Hayri AVCI / General Manager

Telephone: +90 533 395 2266

Web: www.tulomsas.com.tr

E-mail: hayriavci@tulomsas.com.tr

Address: Ahmet Kanatlı Street. Nr:8 26490 Eskişehir / TURKEY

Description of the Activity:

TÜLOMSAŞ, the unique locomotive supplier of Turkey, with a longstanding and vast experience in manufacturing and maintenance, started as a small workshop in 1894 as a maintenance and repair workshop for locomotives. As the affiliated company of the Turkish Railways, TÜLOMSAŞ has been responding to all the locomotive and wagon needs of Turkey for more than a century.

Quality and Standards:

DIN EN ISO 9001:2000

OHSAS 18001 OCCUPATIONAL HEALTH AND SAFETY SYSTEM

DIN EN ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM

DIN 15085 WELDING CERTIFICATE SYSTEM CERTIFIED

TSI CERTIFICATION

Capabilities and Machine Park:

Locomotive, wagon and diesel engine and their components manufacturing
CNC and NC Machines and Other Jigs & Fixtures

Export Countries: Germany, United States, Thailand, Sudan

References: GE, TCDD, TCDDT, KÖRFEZ LOJISTIC, İÇDAŞ, ORAYSAN

Expectations: To create new business and partnership opportunities in the railway industry with international partners.





This project is financed by
the European Union



esRay



Name of the Company: Esray Machinery Inc.

Name of the Representative: Mr. Mahir Baytüre / General Coordinator

Telephone: +90 222 236 2600

Web: www.esray.com.tr

E-mail: m.bayture@esray.com.tr ridvan.yanar@esray.com.tr

Address: ORGANİZE SANAYİ BÖLGESİ 11.CAD. Eskisehir / Turkey

Description of the Activity: Manufacturing of freight wagons and wagons for the iron and steel industry for transport of steel coils and steel plates up to 150 t. capacity. Manufacturing of components and parts for the railway industry. Cabins for locomotives and maintenance locomotives.

2 and 3 axle bogies for freight wagons. Bogie test benches. Lifting equipment for the railway industry.

Quality and Standards:

ISO 9001:2015, EN 15085-2, TS EN ISO 3834-2, ISO 14001:2015, OHSAS 18001:2007

Capabilities and Machine Park:

Capabilities: Engineering, design, plasma and laser cutting, bending, welding, machining, assembly, blasting, cleaning, painting.

Machine Park: Plasma Cutting Machine, Laser Cutting Machine, Bending Machines, Shear Machine, Lathe Machine, Milling Machine, Drilling Machines, Welding Machines, Welding Robot, Welding Manipulators, Sand Blasting Machine, Painting Cabin, Saws and Band Saw Machines, Misc. Testing Equipment.

Export Countries: Germany, USA, Switzerland, Poland, Slovakia, Bulgaria.

References: Harsco Rail, SBB, ELH Waggonbau Niesky, Greenbrier, GE Transportation, Hyundai Rottem, Kalowag, Tülomsas, Tüdemsas, Tüvosas, Erdemir Isdemir, Kardemir.

Expectations: As potential supplier and project partner for the railway industry, we are looking for locomotive and maintenance locomotive manufacturer, freight wagon and component manufacturer, bogie manufacturer, railway logistic and iron and steel industry companies.





This project is financed by
the European Union



Name of the Company: Yüksel Machinery Inc.

Name of the Representative: Mr. Halim Yüksel / Mr. Murat Balkan

Telephone: 0090 222 236 15 21

Web: www.yukselmakina.com.tr

E-mail: hyuksel@yukselmakina.com.tr / mbalkan@yukselmakina.com.tr

Address: Organize Sanayi Bölgesi. Savaş Özaydemir Teknoloji Bulvarı. No:5 26110 Eskişehir

Description of the Activity: Our company has been dealing with CNC machining processes for over 40 years. Our total area is 20.000m² of 5.000 m² is closed. Mainly CNC bar turning serial production up to 42 mm diameter, C-Y axis complex parts production. Also single part machining up to 300 mm diameter and 300 mm length too. All kinds of steel (free cutting steels, carbon steels, heat treatment steels, stainless steels) and brass material machined in our company. Almost 9 million of turned parts production / year.

Quality and Standards:

Q1 Award, TS 16949, ISO 14001, ISO 9001 Quality of Certificates.

Capabilities and Machine Park:

We do have 40 CNC lathes with bar feeders. C and Y axis, 2 heads and 2 turrets type CNC lathes, 2 heads 3 turret CNC lathes (Index C100 models, only in our company in Turkey), multi spindle CNC lathe (Index MS40C , only in our company in Turkey). Also miscellaneous milling, drilling and other productive machines.

Our machine brands are Index (Germany), Gildemeister (Germany), Miyano (Japan), Mori-Seiki (Japan) and Kia (South Korea).

Export Countries: Germany, Sweden, China, Russia, Portugal, France,

References: Bosch Thermotechnik GmbH, Mercedes -Benz (Bus and Trucks), Ford Motor Company, Turk Fiat Tractors, BSH Turkey, Stackpole International.

Expectations: We would like to get new business partners across Europe for new industries, and would like to expand our business in turned parts and CNC machining sector.





This project is financed by
the European Union



Name of the Company: Nova Mod and Plastics Inc.

Name of the Representative: Hakan Şahlan / Managing Partner

Telephone: +90 222 236 0690

Web: www.novakalip.com.tr

E-mail: info@novakalip.com.tr

Address: ORGANİZE SANAYİ BÖLGESİ 8. CAD NO: 19 ESKİŞEHİR / TURKEY

Description of the Activity: Plastic Injection Mold Manufacturing, Plastic Injection Part Production, Precision Machining, Component Assembly

Quality and Standards:

IATF 16949:2016

ISO 14001:2015

ISO 45001:2018

Capabilities and Machine Park:

Plastic Injection Molded Part Production up to 700 Tons Clamping Force , 2 Kg Part Weight

Plastic Injection Molded Part Production with Top-End Engineering Polymers (Polyimides)

Plastic Injection Mold Manufacturing up to 1000 x 600 x 1000 mm, 5 Tons

Full Machine Park may be submitted upon request.

Export Countries: Bulgaria, Romania, Russia, South Africa, Russia, Serbia

References: Teklas, Odelo, Mitsuba, Kros, Elatek, Arikan, Knorr Bremse, Tekno Kaucuk, Mekra Lang (Automotive); Arcelik, Vestel, Bosch Siemens (Appliance)

Expectations: Establishing Business Cooperation and Enhancing Customer Base in European Export Markets.





This project is financed by
the European Union



Name of the Company: Düşlersan Metal Inc.

Name of the Representative: Uğraş Koca / General Manager

Telephone: +90 533 503 4238

Web: www.duslersan.com

E-mail: ugraskoca@duslersan.com

Address: Muttalip Sanayi Bölgesi Emirler Mh. 165.Sk. No:4 Eskişehir / TURKEY

Description of the Activity (Max. 8 lines):

Duslersan Metal Plastic Ltd, which was founded in 1986, began his production journey with the idea of “experienced team, done job at high quality and on time”. Our facility continues to work in metal processing and plastic injection industry and comprises total area of 9000m² of which 6000m² is indoor space. Leading automotive, rail systems and white goods, our facility serves in metal and plastic sub-industries with the aim of satisfying our customers demands by being a reliable company providing high quality, low cost and on time production. Our production consists of %30 direct and %70 indirect exports.

Quality and Standards:

Having ISO 9001:2015 and OHSAS 18001, our organization adopted a policy to serve beyond customers expectations by possessing extensive equipment area and professional team. Our main policy is to generalize management system that values people, supports improvement and respect environment.

Capabilities and Machine Park:

Laser: 2KW power Nukon fiber laser can cut through the range of 0 to 20 mm width steel, 0 to 6 mm width stainless steel, 0 to 8 mm width aluminium

Mold Manufacturing: All moulds are designed, manufactured and maintained in our facility

Press 0.40 to 15 mm thickness range of sheets can be processed between 5 to 400 tonnes hydraulic and eccentric presses

Electrostatic Painting: In 25 minute setup time with 2 different colour cabins, corrosion resistant nanotechnic surface treatment is applied up to 504 hours through 150 m conveyor line

Welding: MIG-MAG-TIG welding applications are carried out

Assembly Line: Metal pieces produced by antifinger stainless steels are clothed with glass and aesthetic doors and panels of built-in ovens are assembled

Gas leakage test of built-in ovens

IT cabins and accessories can be produced and assembled in our facility

Injection: Up to 250 grams of plastic material can be produced in a capacity of 250 tonnes injection

CMM: Precise measurement can be executed by a 3D 700*1000*700 mm CMM machine in parallel with fast growing technological applications.

Export Countries: France, Italy

References: Candy, Haier, Rosieres, Afhymat,Buy-5, Epsilon, Emsa, Legrand, Inform

Expectations: Our expectation is to increase export customers in the sectors we service.





This project is financed by
the European Union



Name of the Company: Tomris Machinery Co. Ltd.

Name of the Representative: Mr. Serkan TOMRİS / Business Development Manager

Telephone: +90 533 463 8976

Web: www.tomrismakina.com

E-mail: info@tomrismakina.com

Address: Kobi Organize Sanayi Bölgesi 104. Cadde No:5 26110 Eskişehir / TURKEY

Description of the Activity: Having 3000 m2 closed area and 6000 m2 area in total, Tomris Makina renders services to sectors as Aviation and Defense, Railway, Automotive, White Appliances, Food, Iron Steel, Casting, Ceramics, Glass, Mining and Cement Industry in the fields of machining and steel construction. Tomris Makina abides by the “Right First Time” principle. Accordingly, the company carries on working and grows rapidly by benefitting from years of knowledge, skill and experience; following up the technological developments and including young and idealist team.

Quality and Standards: We have the certificates of ISO9001:2015, ISO10002:2018. Also our welders are certified according to EN ISO9606-1. We have measuring capacity up to 2.5 meter with the Hexagon Portable Measuring Arm-8525.

Capabilities and Machine Park:

We have the capability of CNC vertical turning up to 2000mm diameter. Our CNC Turning Center with C axis has capacity of 620mm diameter and 3200mm length. We have CNC Large Horizontal Boring Mill Machine (Borwerk) and CNC Double column Machining Center with the capacity of 4000mm. Also, we have universal lathes, milling machines, borwerks in our facility. Thanks to our rapidly increasing machinery park, any kind of designed and not designed machines and machine spare parts; equipments and machines for heavy industry are manufactured.

Export Countries: Germany, Spain, Italy

References: Danieli SpA, Fröhling GmbH, Kochendörfer GmbH, Tülomsaş, TEI (Tusaş Engine Industries)

Expectations: We are willing to make cooperation with the firms which need machined parts, body frames, welded frames, etc. We can also make cooperation about welded structures, machines structures and spare parts.





This project is financed by
the European Union



Name of the Company: Yakaboyu Cabin Machinery Co. Ltd.

Name of the Representative: MR. Özgür SÜRÜCÜ / General Manager

Telephone: +90 222 236 0487

Web: www.yakaboyu.com

E-mail: ozgursurucu@yakaboyu.com

Address: OSB. 14. CADDE NO: 7 Eskişehir / Turkey

Description of the Activity: Core competences are; laser cutting, plasma cutting, tube cutting, tube bending, CNC sheet metal bending, manual welding, robotic welding, shot blasting, painting, assembly. We mainly produce, Welded metal structures, Operator safety cabins, welded structures for Railway Industry.

Quality and Standards:

Our company operator according to TS EN ISO 9001:2015, OHSAS 18001:2007, TS EN ISO 14001:2015

We have our certification for welding of railway vehicles and components according to EN 15085-2, our welders are certified according to EN 9606

Capabilities and Machine Park:

Core competences are; laser cutting, plasma cutting, tube cutting, tube bending, CNC sheet metal bending, manual welding, robotic welding, shot blasting, painting, Assembly

We mainly produce, welded metal structures, operator safety cabins, welded structures for Railway Industry

Export Countries: Finland, Germany, Russia, Greece, Ukraine, Morocco, Algeria

References: TULOMSAŞ (Turkish Locomotive Co.), Tana Oy, Charlatte, Normet Oy, Kesla Oy

Expectations: We are expecting to find local partners to source welded fabrications for the railway industry.





This project is financed by
the European Union



Name of the Company: Esalba Metal Inc.

Name of the Representative: faith Güler / Business Development Manager

Telephone: +90 222 236 2150

Web: www.esalba.com.tr

E-mail: fatihg@esalba.com

Address: Organize Sanayi Bölgesi 21. Cadde No:8 Eskişehir / Turkey

Description of the Activity:

- Sheet metal forming
- Sheet metal-Nut and screw welding
- Robotic welding
- Electrostatics dyeing
- Lean production system
- Regular TPM actions
- continuous improvement

Quality and Standards:

- IATF 16949:2016 Automotive
- ISO9001:2015 White Appliances
- ISO14001:2015 Environmental Management System

Capabilities and Machine Park:

- H type 630 tons eccentric press
- H type 500 tons link drive eccentric press
- Automatic Control robotics weld motors
- 3X250 tons transfer press line
- 300 tons precision cutting machine
- CMM measurement line

Export Countries: Italy, Spain, France, Russia, Australia, Saudi Arabia

Expectations: We are expecting to contact international partners in railway and automotive industries.





This project is financed by
the European Union



Name of the Company: Çına Automotive and Machinery Co. Ltd.

Name of the Representative: Evren Çına / General Manager

Telephone: +90 533 620 3806

Web: www.cina.com.tr

E-mail: evren@cina.com.tr

Address: KOBI O.S.B. 108. CAD. NO:10 Eskişehir / Turkey

Description of the Activity: ÇINA, proud of being especially a member of defence and aviation, railway and automotive industry with;

- . aircraft engine parts and other aircraft parts
 - . helicopter engine parts and other helicopter parts
 - . railway engine parts and other railway parts
 - . manufacturing, assembly and test fixtures
 - . special machines and machine parts
- applying quality process at every stage and being specialized in manufacturing.

Quality and Standards:

ISO 9001: 2015

OHSAS 18001: 2007

Capabilities and Machine Park:

5 axis turning machine	: 1
4 axis turning machine	: 3
3 axis turning machine	: 1
2 axis turning machine	: 2
3 axis milling machine	: 5
Universal turning and milling machine	: 3
Grinding machine	: 2
CMM and Profile Projector	: 1

References: Bosch Atmo8, TEI, TULOMSAS, Alp Aviation, Arikan Automotive, Coskunoz
Defence and Aviation

Expectations: Taking an active role also in Spain' railway and automotive industry as a high quality supplier.





This project is financed by
the European Union



Name of the Company: TÜDEMSAŞ (Turkish Railways Machines Industry Inc.)

Name of the Representative: Mehmet Başoğlu / General Manager

Telephone: +90 346 225 1818

Web: www.tudemsas.gov.tr

E-mail: tudemsas@tudemsas.gov.tr

Address: TÜDEMSAŞ 58030 Sivas / Turkey

Description of the Activity:

TÜDEMSAŞ (Turkish Railway Machines Industry Inc.) was established in 1939 for the purpose of repairing steam locomotives and freight wagons. In parallel to the development in the railway transportation, it started to produce freight wagons in 1953. SİDEMAS which it carried as the name in 1972 was changed as TÜDEMSAŞ in 1986. TÜDEMSAŞ possessing ISO 9001 Quality Assurance Certificate is continuing to contribute to the development of railway transportation with the repair of freight and passenger wagons and the production of freight wagons and spare parts of any type.

Quality and Standards: TÜDEMSAŞ's quality policy by ensuring all necessary international standards and accreditations is to use resources effectively and efficiently, to realize production with customer and employee satisfaction, sensitive to environment, in conformity with the international standards and changeable circumstances, and to achieve continuity in improvement.

Capabilities and Machine Park:

GENERAL CAPACITY: The company comprising a total area of 287.467 m² is situated on a closed area of 96.000 m² and employs approximately 1200 people.

FREIGHT WAGON PRODUCTION CAPACITY: The Plant of Carriage Production has - a closed area of 16.262 m² - and an established capacity to succeed the steel construction and assembly of 750 carriages with bogie.

FREIGHT WAGON REPAIR CAPACITY: The Plant of Carriage Reparation has:- a closed area of 23.655,3 m²- and an established capacity to succeed the reparations of different levels of 3000 freight cars of various types in a year.

Export Countries: Austria, China, Iraq

References: ÖBB-Personenverkehr AG, CSR Corporation Limited, Sino Truk Corporation, TCDD

Expectations: To create new business and partnership opportunities in the railway industry with international partners.





This project is financed by
the European Union



Name of the Company: Albayrak Aldoor Machinery Co. Ltd.

Name of the Representative: Gürhan Albayrak / General Manager

Telephone: +90 222 236 21 01

Web: www.albayrakmakine.com.tr

E-mail: info@albayrakmakine.com.tr

Address: Organize Sanayi Bölgesi 27. Cadde No:10 Eskişehir / Turkey

Description of the Activity: Capable to make design, production, transportation, field installation, commissioning, training, warranty, post-warranty maintenance processes of platform screen doors.

Quality and Standards:

- SIL 3 Certification

TÜV Nord Systems GmbH & Co. KG hereby certifies

- IRIS Certification rules 2017 and based in ISO TS 22163:2017

TÜV Nord Systems GmbH & Co. KG hereby certifies

Capabilities and Machine Park:

Lazer Cutting

CNC Milling Machine

CNC Lathe Machine

Press Brake

Welder

Electronic Assemble Line

Test Bench

Export Countries: Belarus

References: İSBAK / Istanbul Metropolitan Municipality, ESTRAM / Eskişehir Metropolitan Municipality, Minsk Metro Stroy

Expectations: Joint venture on platform screen door

