



ANKARA CHAMBER OF INDUSTRY

BUSINESS, R&D AND INVESTMENT OPPORTUNITIES IN ANKARA, TURKEY

OCTOBER 2021
Croatia



MAGNIFICENT HISTORY AND IMPRESSIVE NATURE



Being a member of G-20, Turkey is the

- 19th largest economy in the world (wrt GDP Nominal) *(Source: IMF's World Economic Outlook Database, 2020)*
- 8th largest economy in Europe *(Source: IMF's World Economic Outlook Database, 2020)*
- 6th largest partner for EU exports of goods and EU imports of goods *(Source: Eurostat, 2020)*

Why to invest in Turkey ?

- Member of G20
- Liberal and reformist investment climate
- Incentives offered to investors
- Skilled and competitive labor force
- Solid infrastructure in transport, logistics etc.
- Central location/Easy access to major markets with 1.2 Billion consumers
- Unique role as “Trans-European” Energy Corridor
- Customs Union with the EU since 1996
- Large domestic market

Where is Ankara located?



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- Geographically located at the **center of Turkey**.
- Within the radius of 250 km, surrounded by 14 cities **with 14 million inhabitants**.
- Among the top 6 exporters in Turkey in 2020 (*Source: Turkish Exporters Assembly www.tim.org.tr*)
- Plays a significantly important role in Turkey with its powerful industry, 13 organized industrial zones, 22 universities, 119 R&D centers, 44 design centers, 10 technology development regions (technoparks).

ANKARA

Capital of Qualified Labor Force

- **22 universities** and higher education institutions with almost **296,000 students** and **20,000 academic staff**
- Strong **engineering programs**
- Emphasis on **university – industry collaboration**



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Capital of Qualified Labor Force

- Strong in **research, development and innovation culture** (university, government, industry)
- With its **20,3% share**, Ankara **ranks first** in educated population (bachelor's degree or higher)



ANKARA

Capital of Qualified Labor Force

- In 2020, 4 universities in Ankara listed in the world's top 1000 universities in the **QS World University Rankings**, the most widely viewed university ranking worldwide.
- 2 universities ranked in top 10 in the **2018 Entrepreneurship and Innovation Index** published by the Ministry of Industry and Technology
- **Second** in useful model, patents and trade registration and third in industrial design



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Major Sectors

- Defense and Aviation Industry
- Petroleum and Chemical industry
- Automotive Industry
- Machinery and Spare Parts Industry
- Mining Industry
- Steel Industry
- Electric and Electronics Industry
- Ferrous and Non-Ferrous Metal Industry
- Ready-to-Wear Industry
- Construction Materials Industry
- Construction and Contracting Industry

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Major Sectors (cont.)

- HVAC Industry
- Food Industry
- Furniture Industry
- Agriculture Machinery

Emerging Sectors

- Medical Industry
- Software Industry

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A DEEPER INSIGHT INTO SOME SECTORS

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DRIVING FORCE OF THE *DEFENSE INDUSTRY* AND HOME TO

- 5 out of 7 Turkish companies listed among the world's top 100 largest defense companies in the US-based Defense News in 2020: ASELSAN, Turkish Aerospace Industries, STM Defense Technologies, ROKETSAN, HAVELSAN (*Source: www.defensenews.com*)
- 58% of the defense companies, 71% of defense-related R&D expenditures

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Leader in *Unmanned Aerial Vehicle (UAV), Armored Vehicles, Armed Unmanned Aerial Vehicle*

Strong defense industry resulted in strong defense subsidiary industries namely:

- **Electrics, electronics, informatics**
- **Machinery, spare parts and metal**

Some products are unique to Ankara:

Ball bearings, gear housing , aircraft, and military software

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ONE OF THE LEADERS IN *CONSTRUCTION SECTOR*

- Forefront of the country's economic growth
- Extended regionally and globally
- Created related industries important in domestic and international trade: *construction machinery, construction materials, engineering and architecture, etc.*
- 21 out of 44 Turkish companies listed in the ENR's 2020 Top 250 International Contractors List (*Source: www.enr.com*)

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WORLD KNOWN PLAYERS IN *AGRICULTURE MACHINERY*

Two prominent companies in tractors: Türk Traktör and Erkunt Traktör

- Türk Traktör: production capacity 50,000 tractors per year; powerful production technology; gear and heat treatment facilities; engine production facilities; quality control laboratories; engine and body test equipment, computer aided design (CAD) and manufacturing (CAM) infrastructure. The company has been exporting to more than 130 countries
- Erkunt Traktör designs and manufactures its own tractors since 2003, present in 25 countries

Bozkurt Tarım, Dilsizler, Ekermak and **many more**

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IMPORTANT PLAYER IN *INFORMATION AND COMMUNICATION TECHNOLOGIES*

- Due to the strength of research and innovation carried out in technoparks
- More than 50% of ICT projects implemented nationwide are Ankara-based
- Internationally recognized software projects for world leading brands such as Airbus, Boeing, Sikorsky

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SOME STATISTICS ON EXPORT

ANKARA

- Exports **7,9 Billion US\$ in 2020**
- **Sixth** in Turkey's total exports
- **5.0 % share** in Turkey's total exports
- Exports of **industry sector** in 2020 – **6,5 Billion US\$**
- Exports of **mining sector** in 2020 – **863 Million US\$**
- Exports of **agriculture sector** in 2020 – **530 Million US\$**
- Top countries in Ankara's exports: **USA, China, Italy, Iraq, UK, Germany**

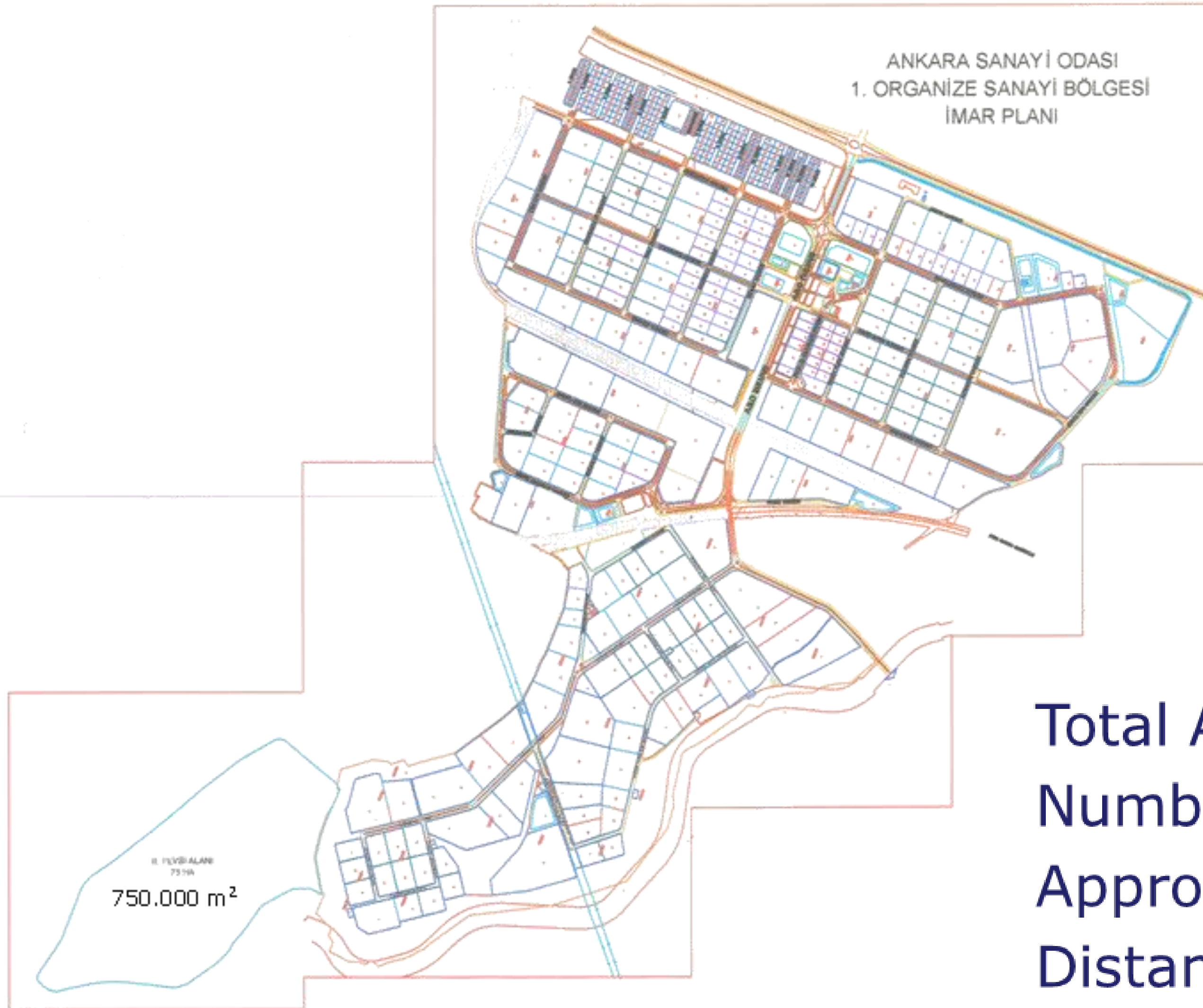
Organized Industrial Zones

- offer investors land equipped with the necessary infrastructure
- are open to foreign and domestic investments

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Some Visuals from Organized Industrial Zones

ASO 1st Organized Industrial Zone (I. OIZ)



Total Area : 954 hectares
Number of Factories : 262
Approximate Employment : 30.000
Distance to Ankara : 25 km (15 mi)

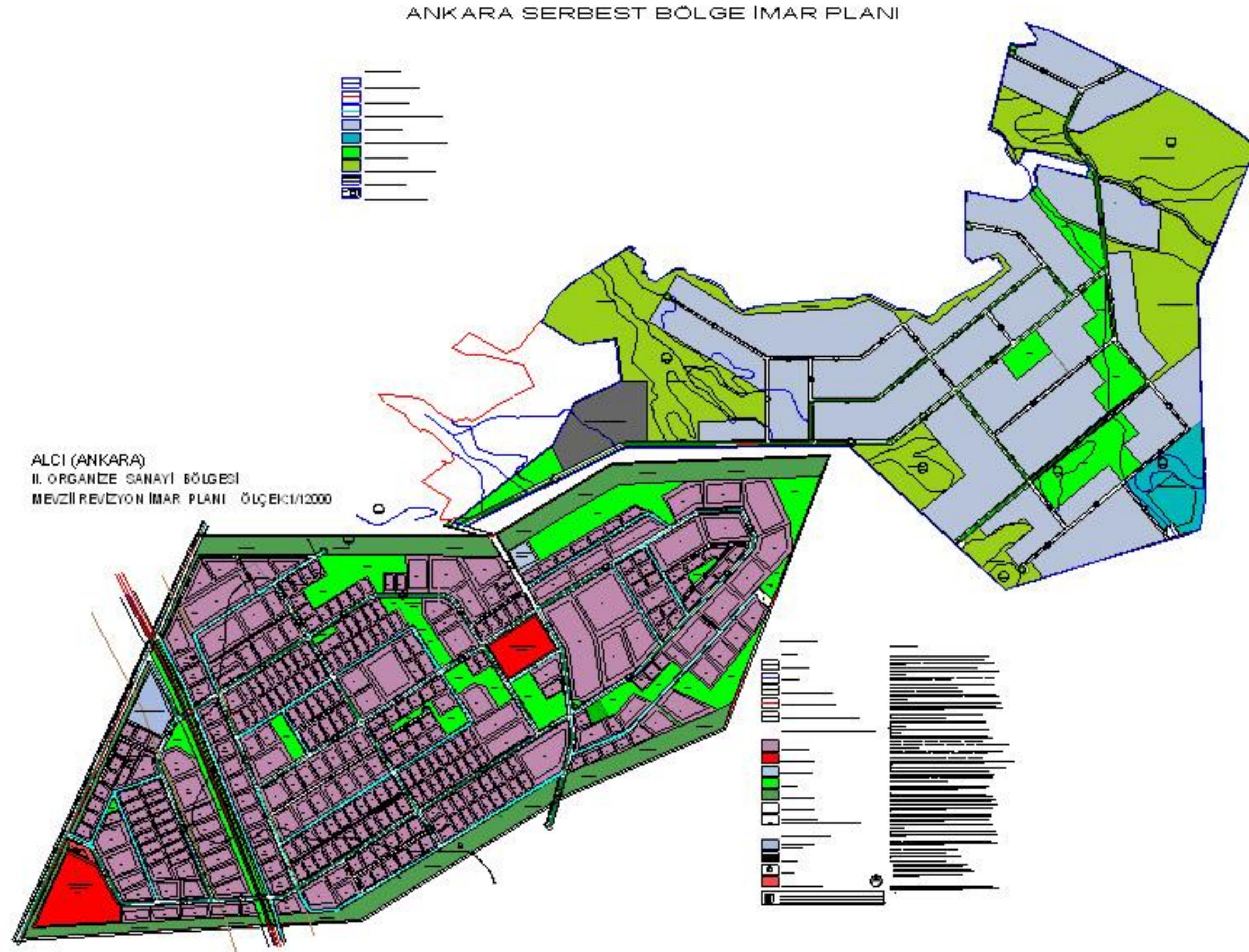
ASO 1st Organized Industrial Zone (I. OIZ)



ASO 1st Organized Industrial Zone (I. OIZ)



ASO 2nd Organized Industrial Zone (2. OIZ)



Total Area	: 618 hectares
Number of factories when finished	: 328
Approximate employment when completed	: 50.000
Distance to Ankara	: 42 km (26 mi)

ASO 2nd Organized Industrial Zone (2. OIZ)



OSTiM Organized Industrial Zone



Kazan Space and Aviation Organized Industrial Zone



ANKARA

Capital of Research, Development and Innovation

- Most productive technoparks involved in internationally recognized projects. Technoparks play a key a role in Ankara's R&D spurt
- Leader in ICT
- Wide range of technologically advanced products including robotics, medical, defense systems, energy, navigation software, pharmaceuticals, chemistry etc.



ANKARA

Capital of Research, Development and Innovation

- R&D centers in software, defense, casting, energy, air conditioning, construction, ICT technologies, automotive and its subsidiary industry, aviation, health, electronics, food, machinery and equipment *(Source: Ministry of Industry and Technology)*
- 71% of defense related R&D expenditures
- 41% of medical sector



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Technoparks





Ankara University
Teknopark



Hacettepe
Teknokent



Bilkent
Cyberpark



Gazi
Teknopark



Teknopark
Ankara



ODTÜ
Teknokent
(METUTECH)



ASO Teknopark

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Some Success Stories From Our Technoparks

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Some success stories from our technoparks

Ankara University Technopark

- **Mobile Parking Ticket device** used by several states in the **US**
- Disease detection kits for **Hepatit B, Hepatit C, HIV** and **TORCH** and also **cancer tumor, blood test kits, ELISA** kits production
- Project targeting to be the **world biggest information and document archive in Turkish**, Pecya Digital Library



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Some success stories from our technoparks

Bilkent Cyberpark

- An application that allows **business applications to be developed faster, with less code** (1.000.000 US investment + a branch office in U.S.A)
- Mobile application and dissemination **of cloud tool that develops analysis and management technology for mobile application developers** (1.000.000 € and 1.000.000 US\$ investment in 2018, and 2.4 Million \$ investment in 2020)
- A product which describes **how to intervene in cyber incidents with different scenarios**. (\$2.5 million investment in 2017, company sold in 2020 and entered foreign markets successfully)



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Some success stories from our technoparks

Gazi Teknopark

- Drug Track & Trace System
- The Skeleton Tracking System
- Online Payment Solutions



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Some success stories from our technoparks

Hacettepe Teknokent

- Building unmanned marine systems
- Creating online forms and collecting data for more than 10 million people around the world, all without need of writing a line of code
- Providing the tools necessary for learners, instructors and enterprises in achieving their goals and reaching their full potential



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Some success stories from our technoparks

ODTÜ Teknokent

- A project with **Rolls & Royce** to develop engine that uses alternative energies
- Software for **Sikorsky** helicopters and **German** submarines
- Electronic systems and software developed for **Airbus** and **Boeing** aircrafts
- Local **satellite** and **helicopter** project



INCENTIVES

- General Investment Incentive Scheme
- Regional Investment Incentive Scheme
- Priority Investment Incentive Scheme
- Strategic Investment Incentive Scheme

VAT exemptions, customs duty exemptions, tax reduction, social security premium support, income tax withholding support, interest/profit share support etc.

For details: www.invest.gov.tr

ANKARA CHAMBER OF INDUSTRY

The Chamber has been serving industrialists of Ankara for the last **56 years** as the second biggest Chamber of Industry in Turkey with **more than 8500 Members and 35 Professional Committees.**

ANKARA CHAMBER OF INDUSTRY

AMONG OUR MEMBERS ARE,

- The world's largest construction and contracting firms,
 - The biggest mining firms,
 - Top ranked defense companies in the world,
 - Innovative medical device companies,
 - R&D companies in software, energy, chemistry etc., acting as internationally recognized solution providers,
 - Well-known fashion brands for women's ready-to-wear,
 - Global exporters in construction materials and chemical products,
- and many more represented by the 35 professional committees

ANKARA CHAMBER OF INDUSTRY

Three prominent projects of the Chamber are,

- **Enterprise Europe Network (EEN)**
- **Nuclear Industry Cluster**
- **Model Factory (SME Digital Transformation and Competence Center)**

ANKARA CHAMBER OF INDUSTRY

Enterprise Europe Network (EEN)

The **Ankara Chamber of Industry** is part of the **EEN** co-funded by the **European Commission** in order to help businesses innovate and grow on international scale

The **duties** of the Chamber include **but are not limited to**:

- informing its members about the EU programmes and projects, EU legislation, etc.
- organizing trainings, workshops, info days, seminars, etc.
- arranging sectoral trade delegations and brockage events
- preparing business, technology and R&D profiles
- measuring innovation management capabilities of companies



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Nuclear Industry Cluster Project

- Funded by the **Ministry of Industry and Technology**
- **The first and the only nuclear industry cluster nationwide**
- The aim of the project is to **increase Turkish companies' production and manufacturing capacities for becoming suppliers** in Nuclear Power Stations to be built in Turkey and **provide services to meet cluster members' needs for training and certification in the sector.**



ANKARA CHAMBER OF INDUSTRY

- **Model Factory (SME Digital Transformation and Competence Center)**

Model Factory was established in partnership with Turkish Ministry of Industry and Technology, UNDP, Ankara Chamber of Industry and ASO 1st OIZ.

Model Factory is a Training and Consultancy Center to enhance industrialists' capabilities for productivity increase and digital transformation.



ANKARA CHAMBER OF INDUSTRY

- **Model Factory (SME Digital Transformation and Competence Center)**

Main areas of services are awareness raising seminars, experimental trainings, learn & transform programs and development of integrated projects with universities and technology groups.

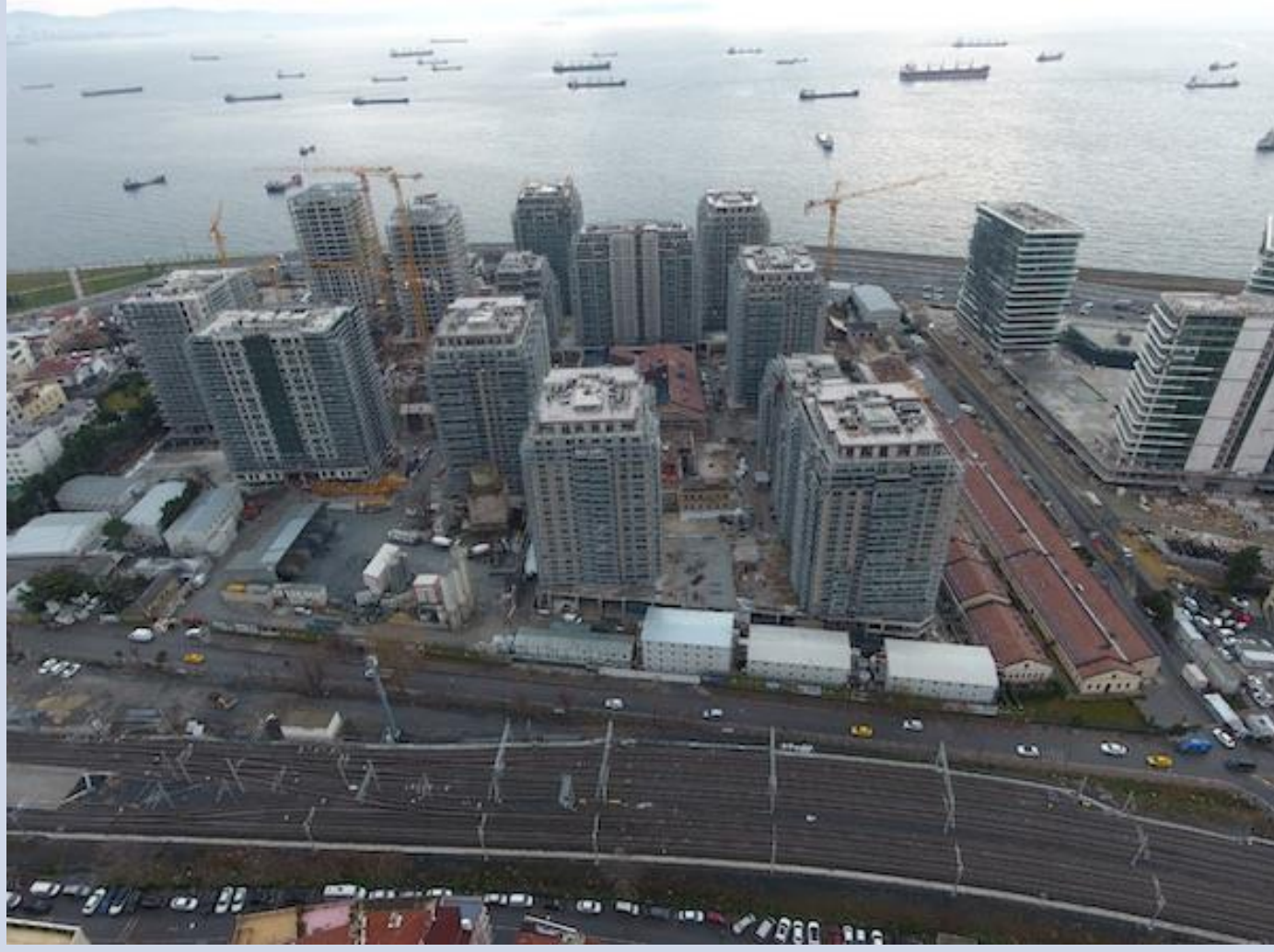
The Model Factory provides lean manufacturing experimental trainings and studies are still ongoing to provide digital transformation services.



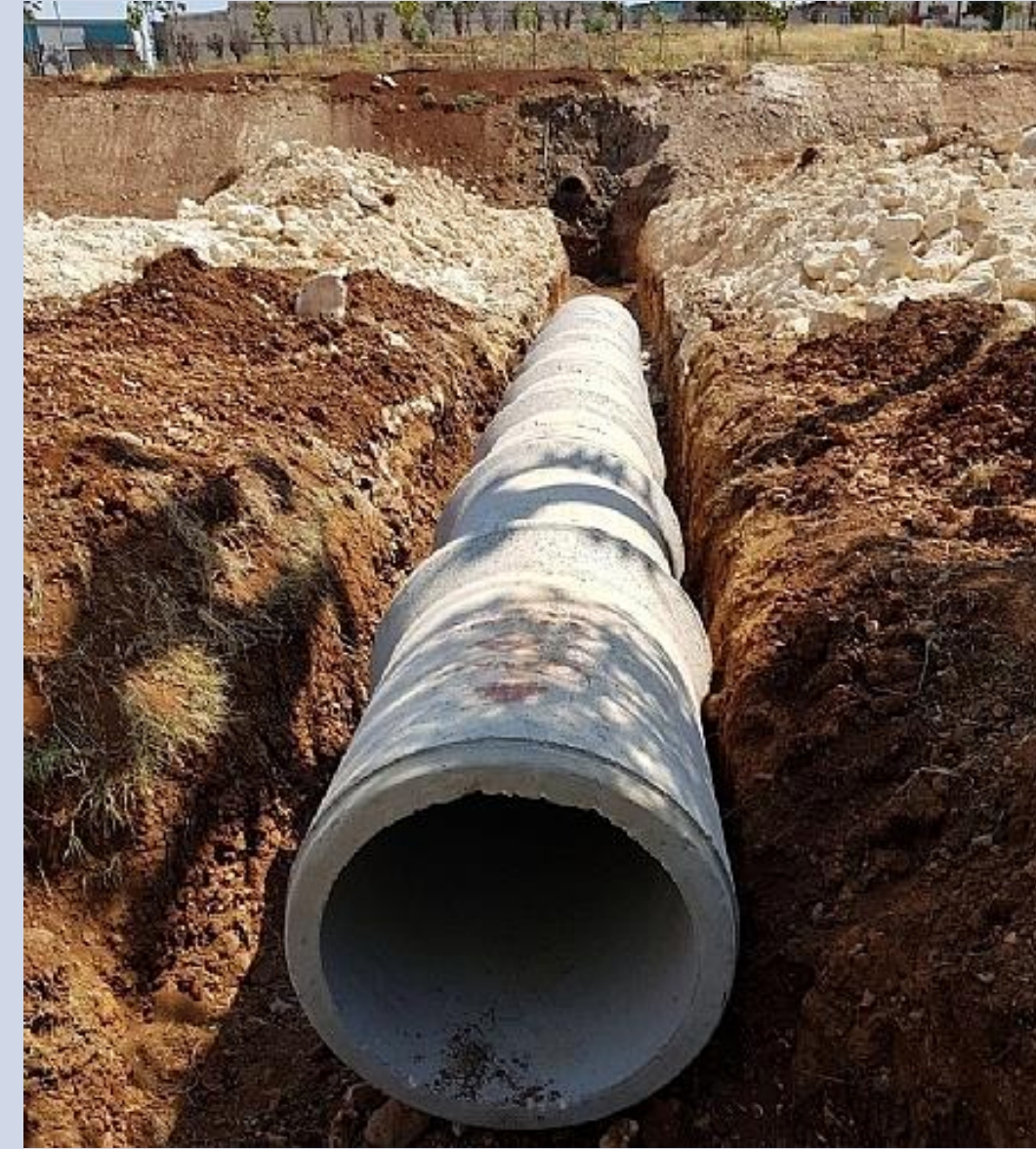
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EXAMPLES OF PRODUCTS FROM INDUSTRIES IN ANKARA

YENİGÜN İNŞAAT A.Ş.



KOLİN İNŞAAT A.Ş.



ONUR TAAHHÜT A.Ş.



ERG İNŞAAT A.Ş.



LİMAK İNŞAAT A.Ş.



RÖNESANS İNŞAAT A.Ş.



BOZANKAYA OTOMOTİV A.Ş.



TÜRK TRAKTÖR A.Ş.



ERKUNT TRAKTÖR A.Ş.

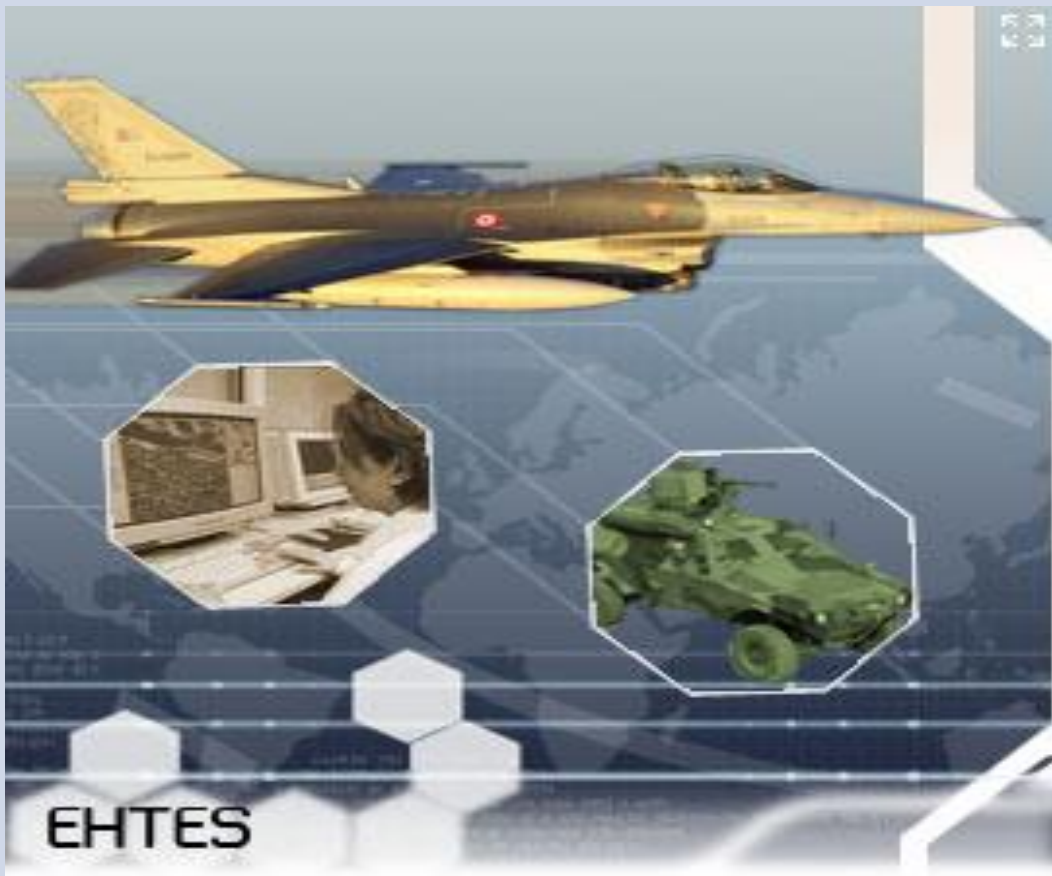


KARBA OTOMOTİV A.Ş.





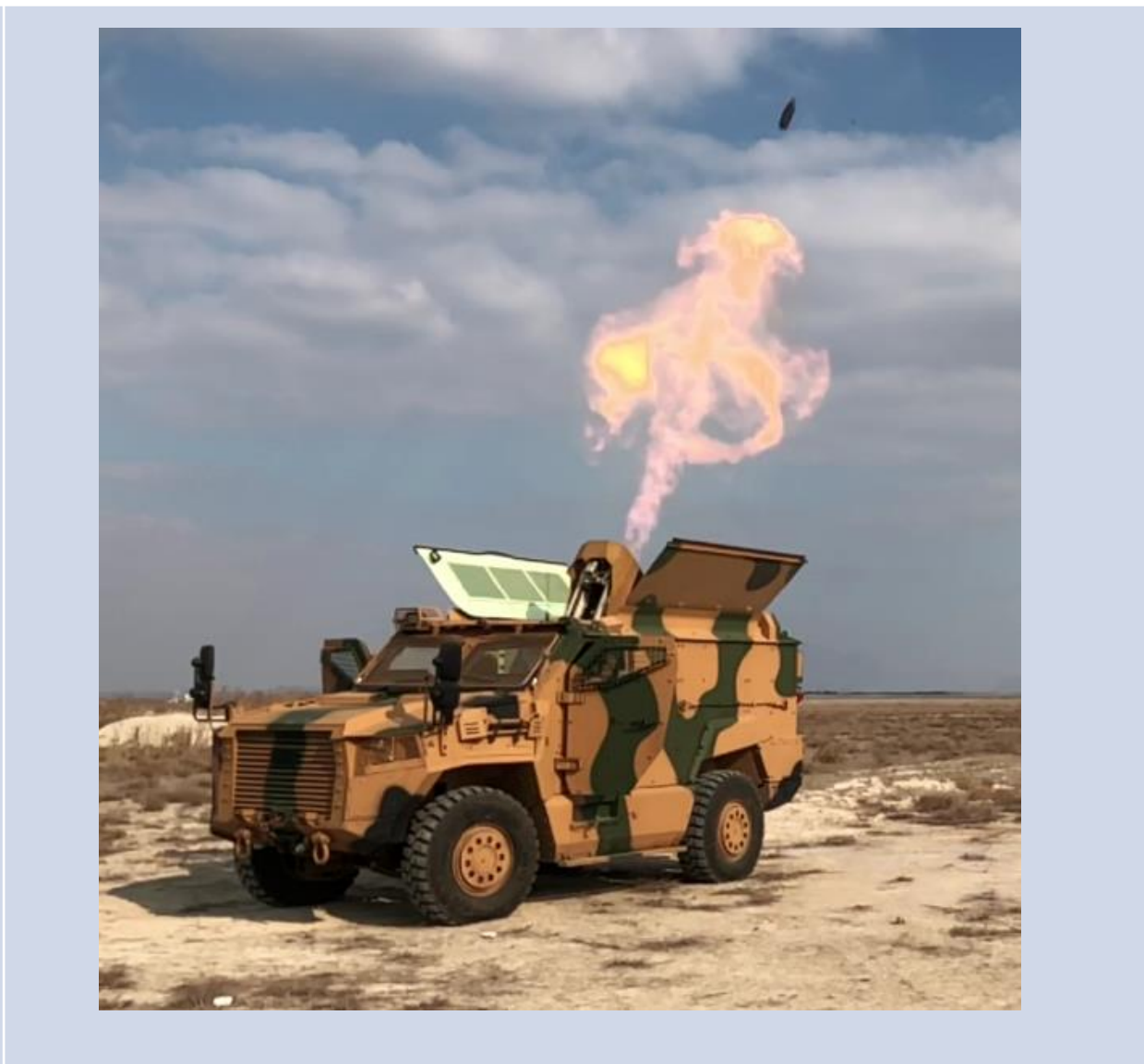
HAVELSAN



FNSS



ASELSAN



ROKETSAN



TUSAŞ



AYDIN YAZILIM



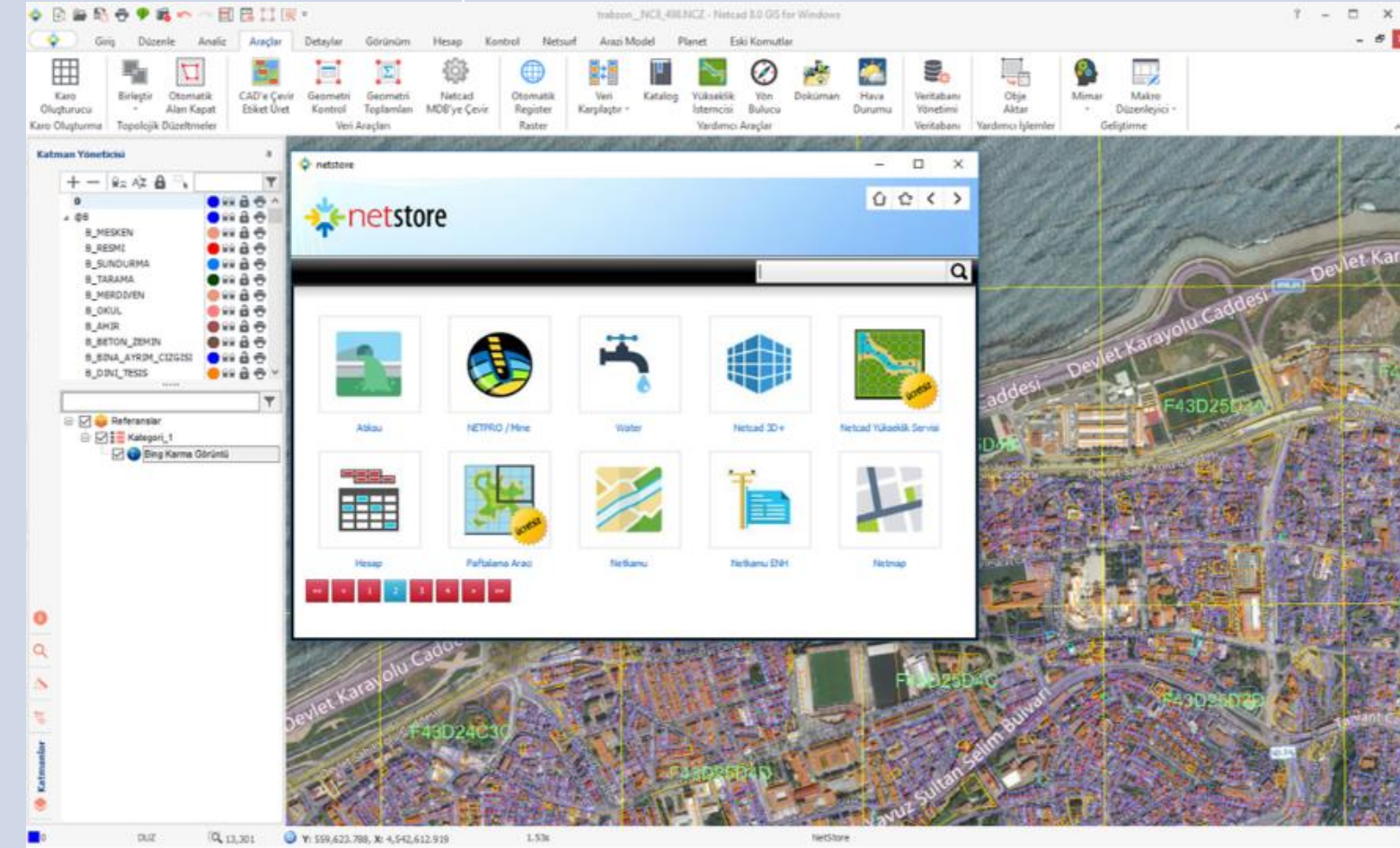
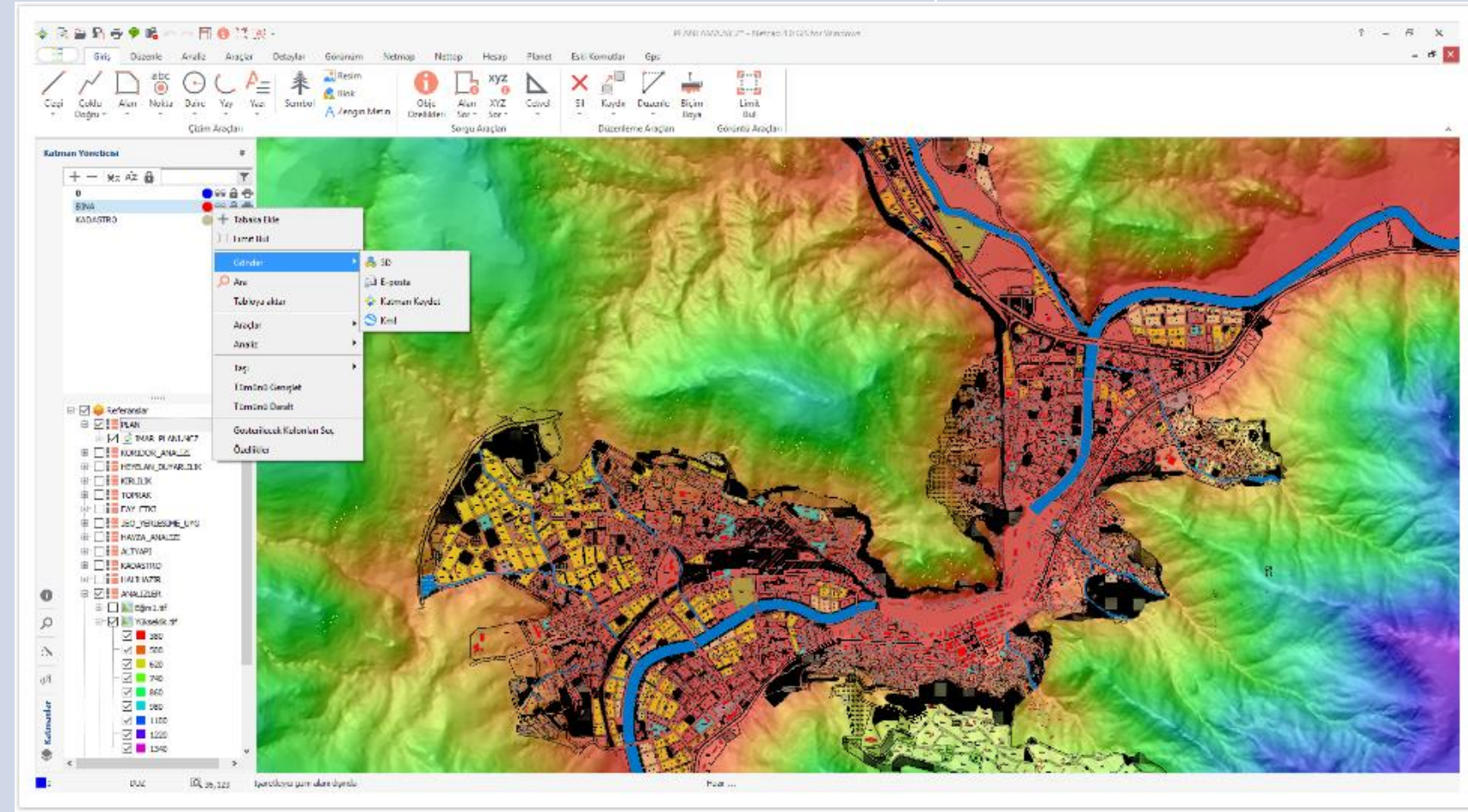
LABRİS



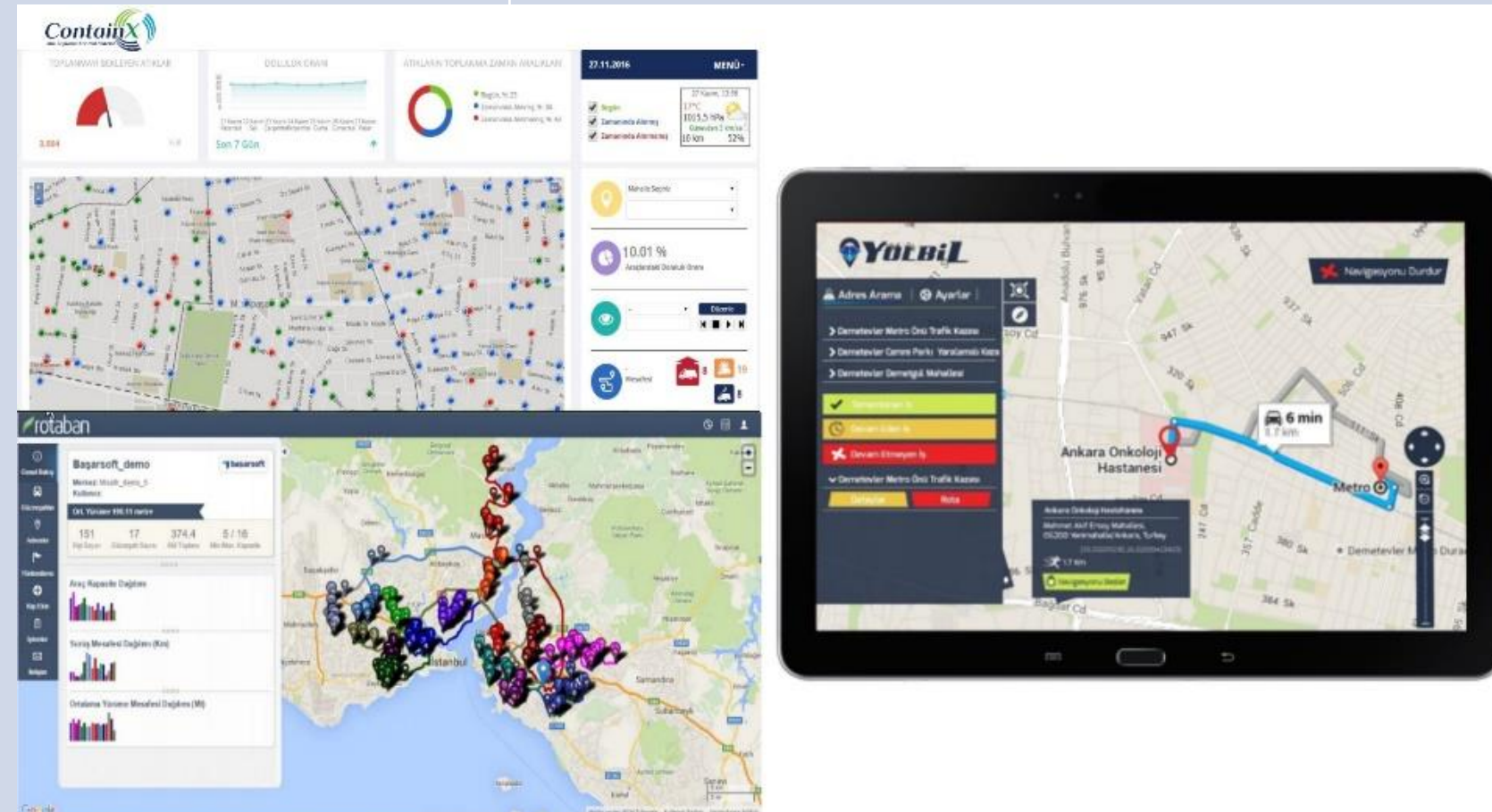
STM SAVUNMA



NETCAD YAZILIM



BAŞARSOFT BİLGİ TEKNOLOJİ



NÜVE



ERTUNÇ ÖZCAN





ÜZÜMCÜ SAĞLIK ÜRÜNLERİ

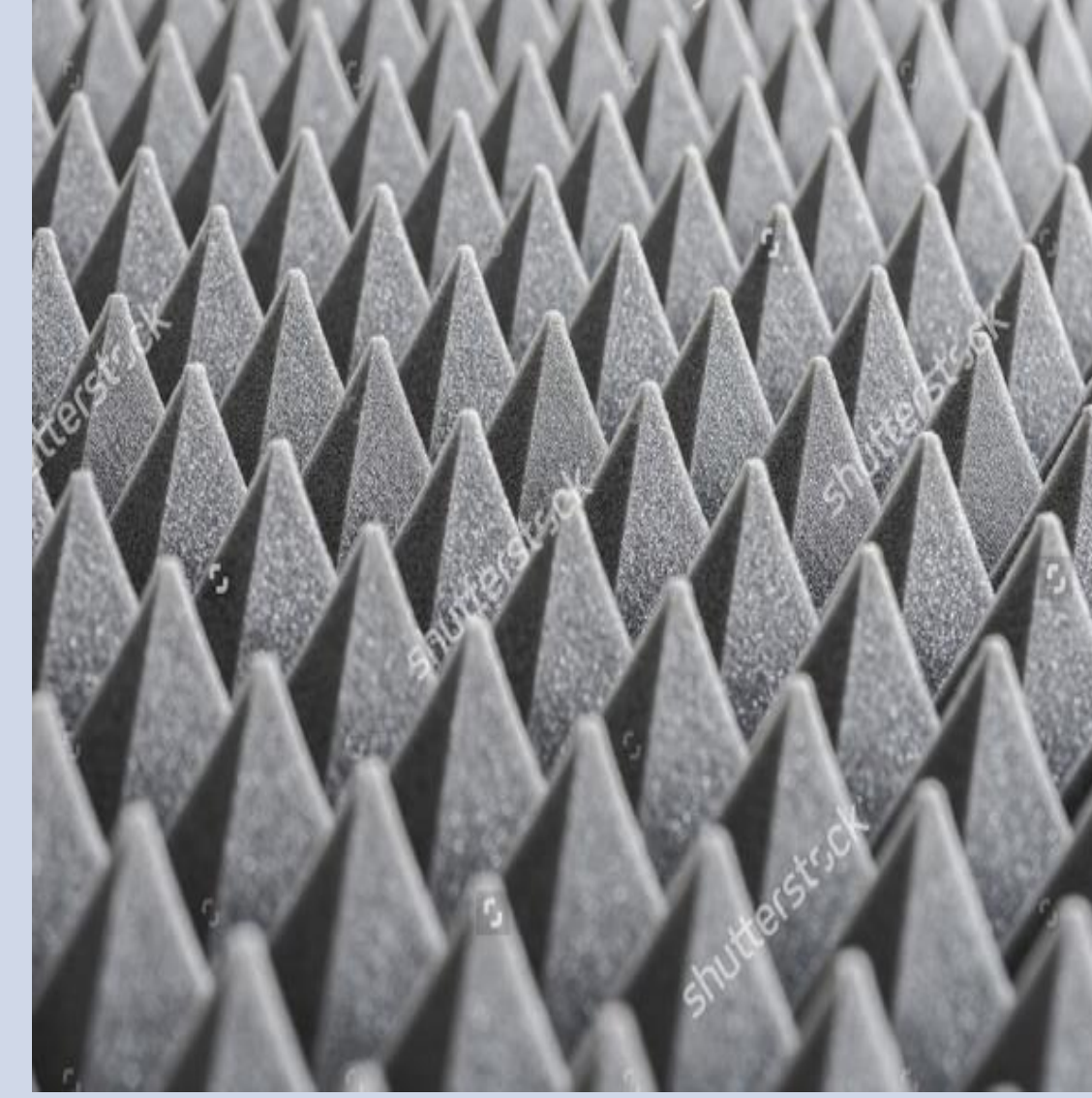


ERSA MOBİLYA



NUMAŞ





HİDROMEK A.Ş.



PI MAKİNA



Machine Equipment for General Use &
Materials

Machine Equipment for General Use & Materials

ORS RULMAN

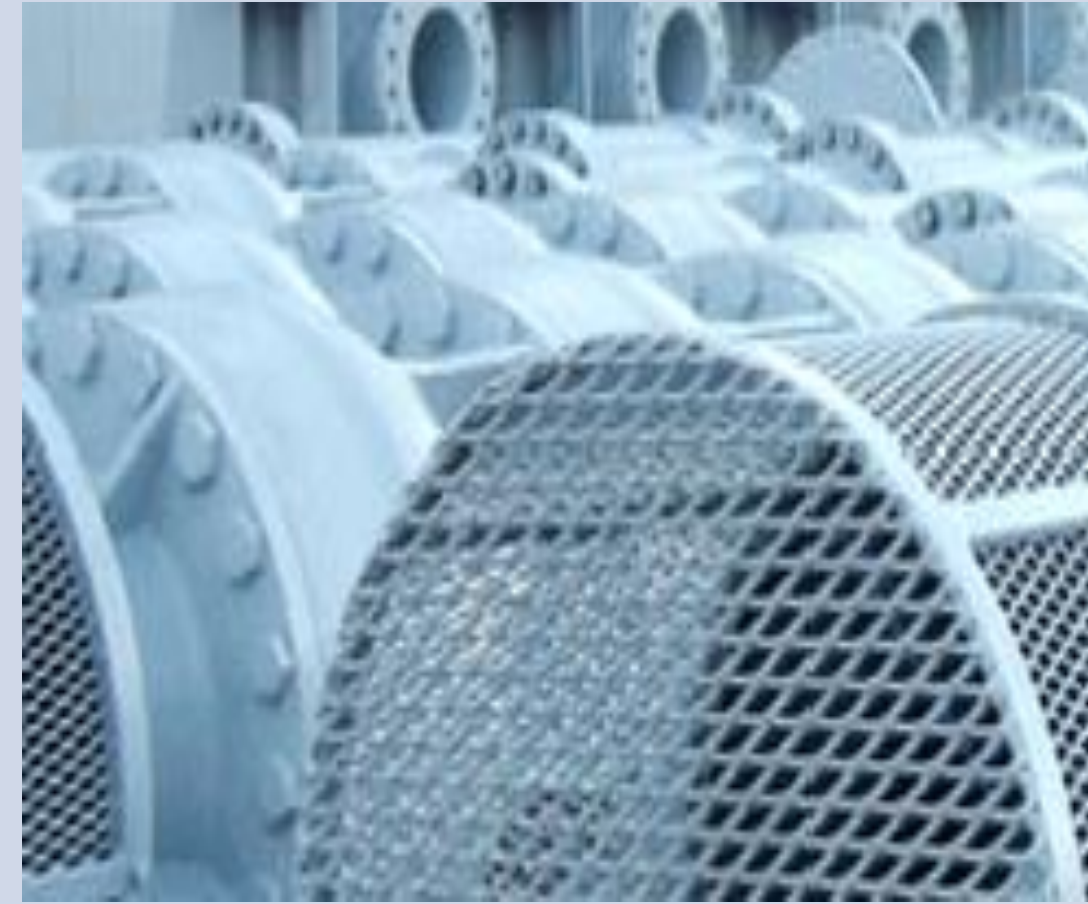
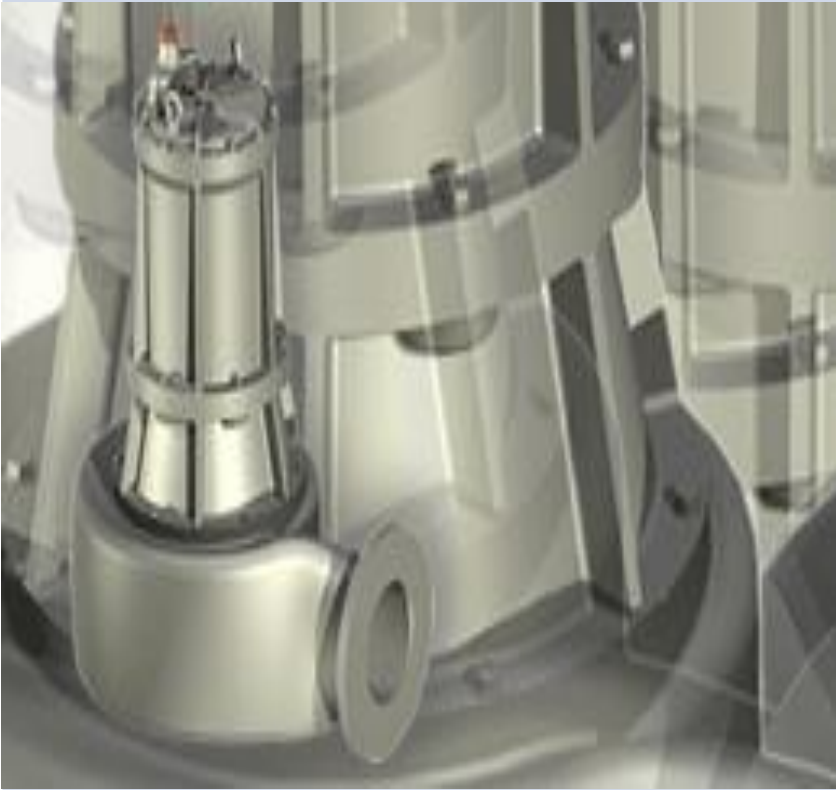


KSB POMPA



Machine Equipment for General Use & Materials

LAYNE BOWLER



E-BERK MAKİNA



SERDAR PLASTİK



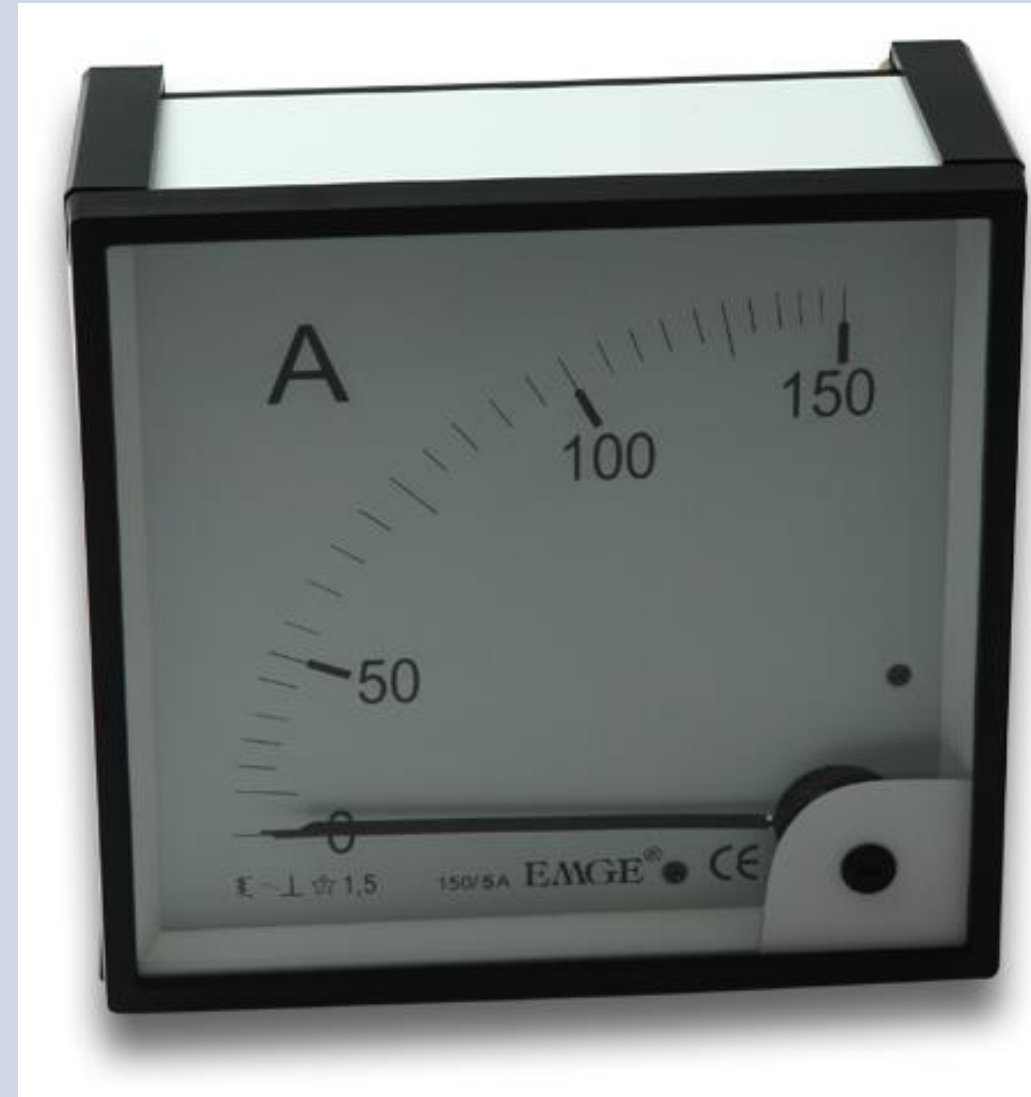
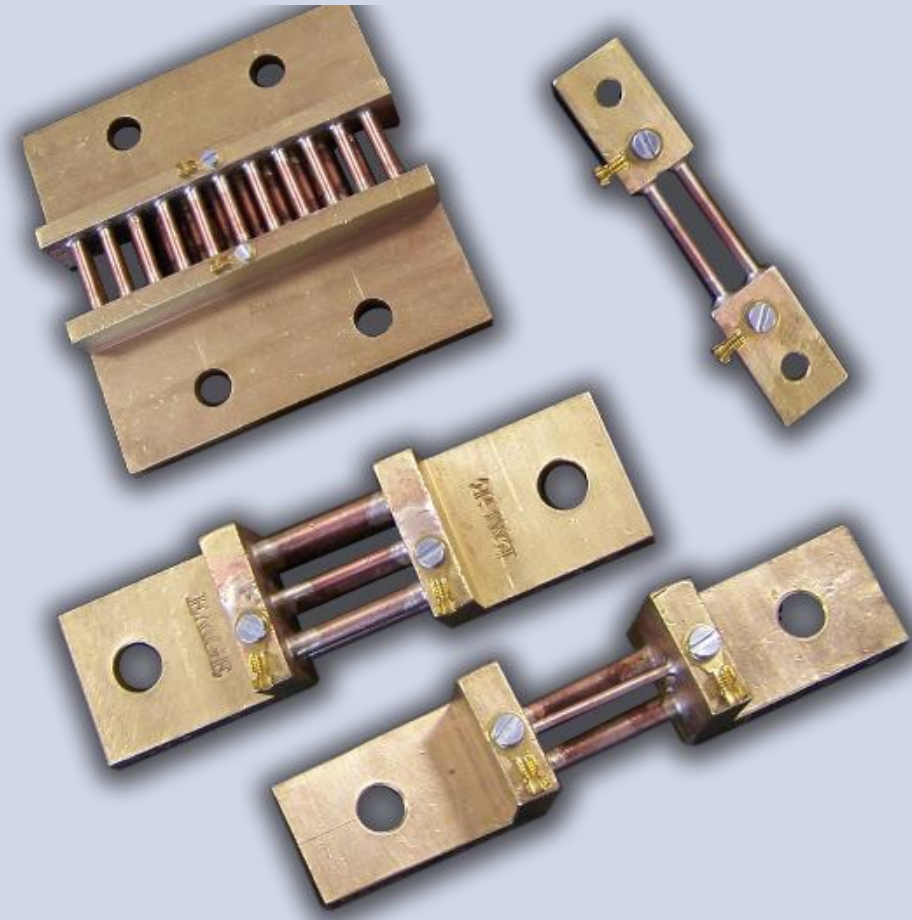
TEMPO POMPA VANA



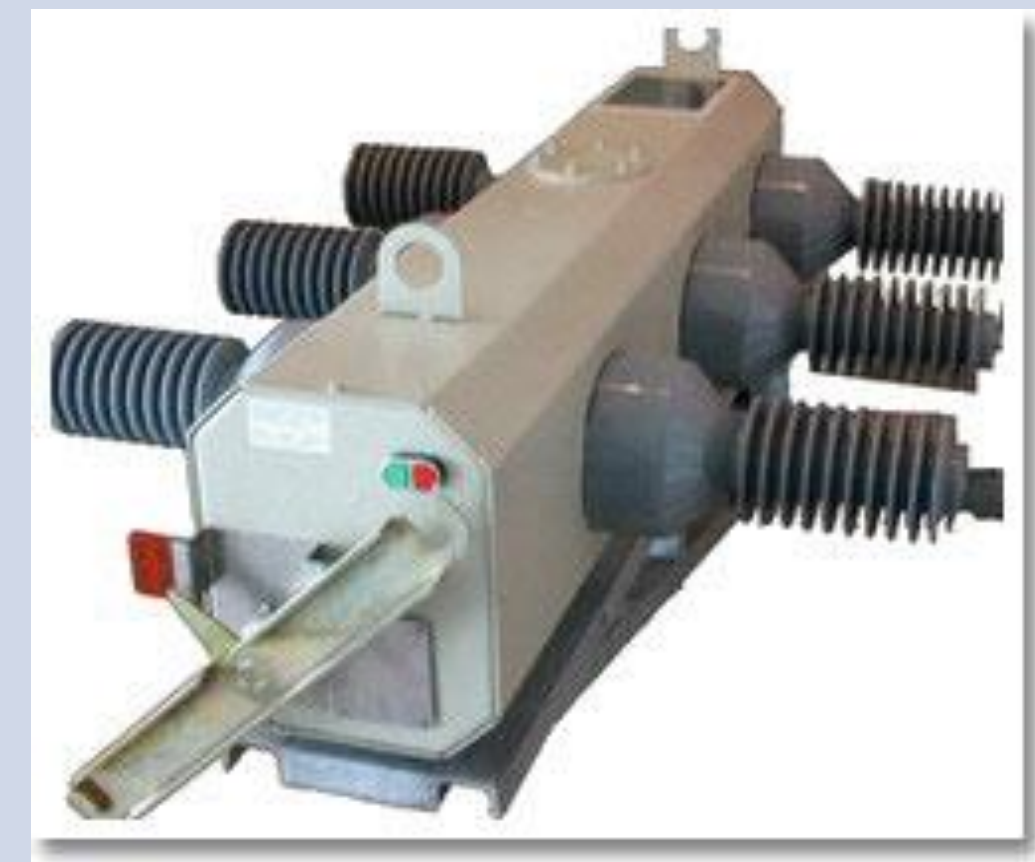
Machine Equipment for General Use &
Materials



EMGE ELEKTRO



ULUSOY ELEKTRİK



NURIŞ TEKNOLOJİ



EMEK ELEKTRİK



SEÇİL STORE



BUTİK TRIKO/ MOHAİR ANGORA



SARAH / TIARA

Textile Industry



NIHAN GIYİM



TIĞ TRIKO



ESSWAAP

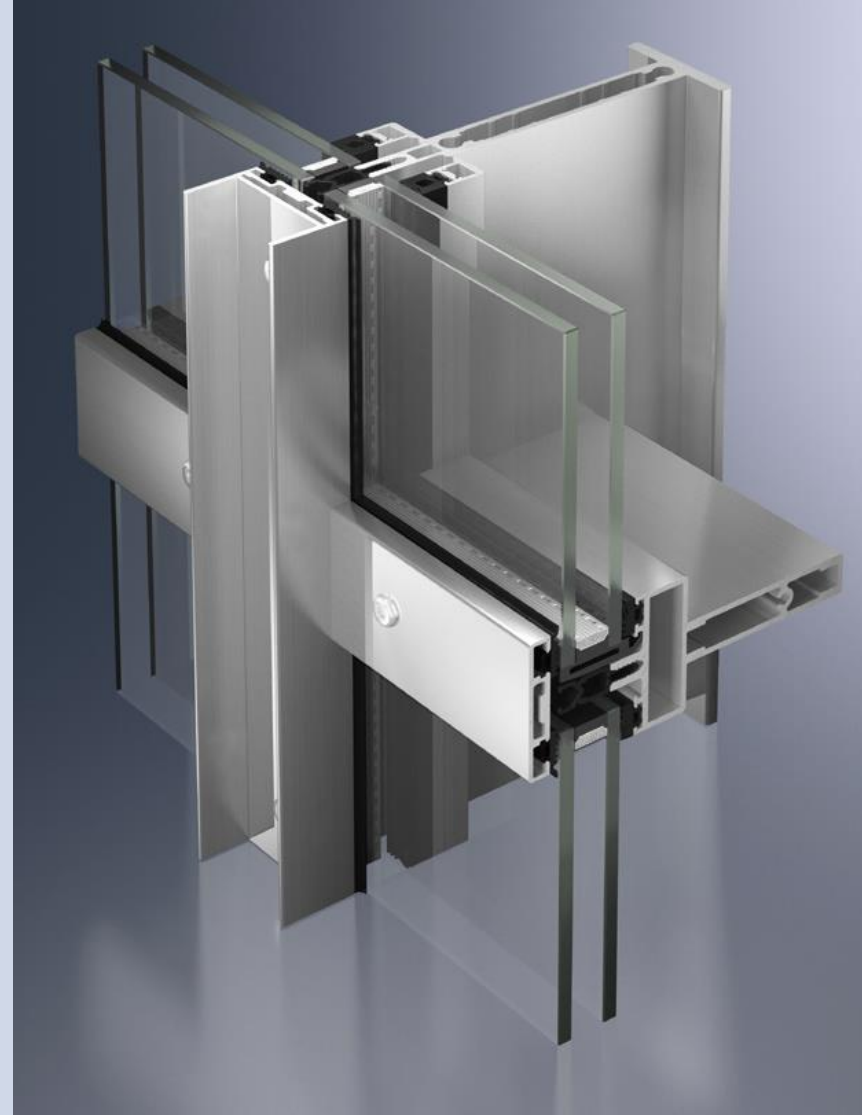


Aluminium & Elevator & Glass Industry

ALTİM ALÜMİNYUM



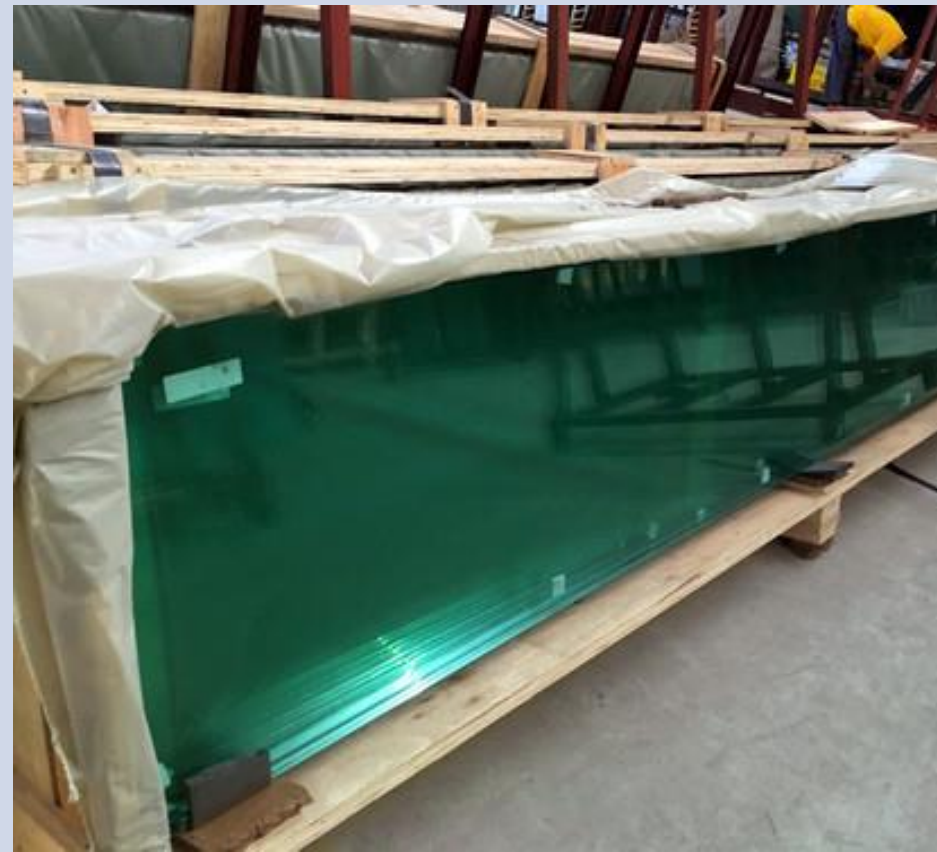
KONTURSEL



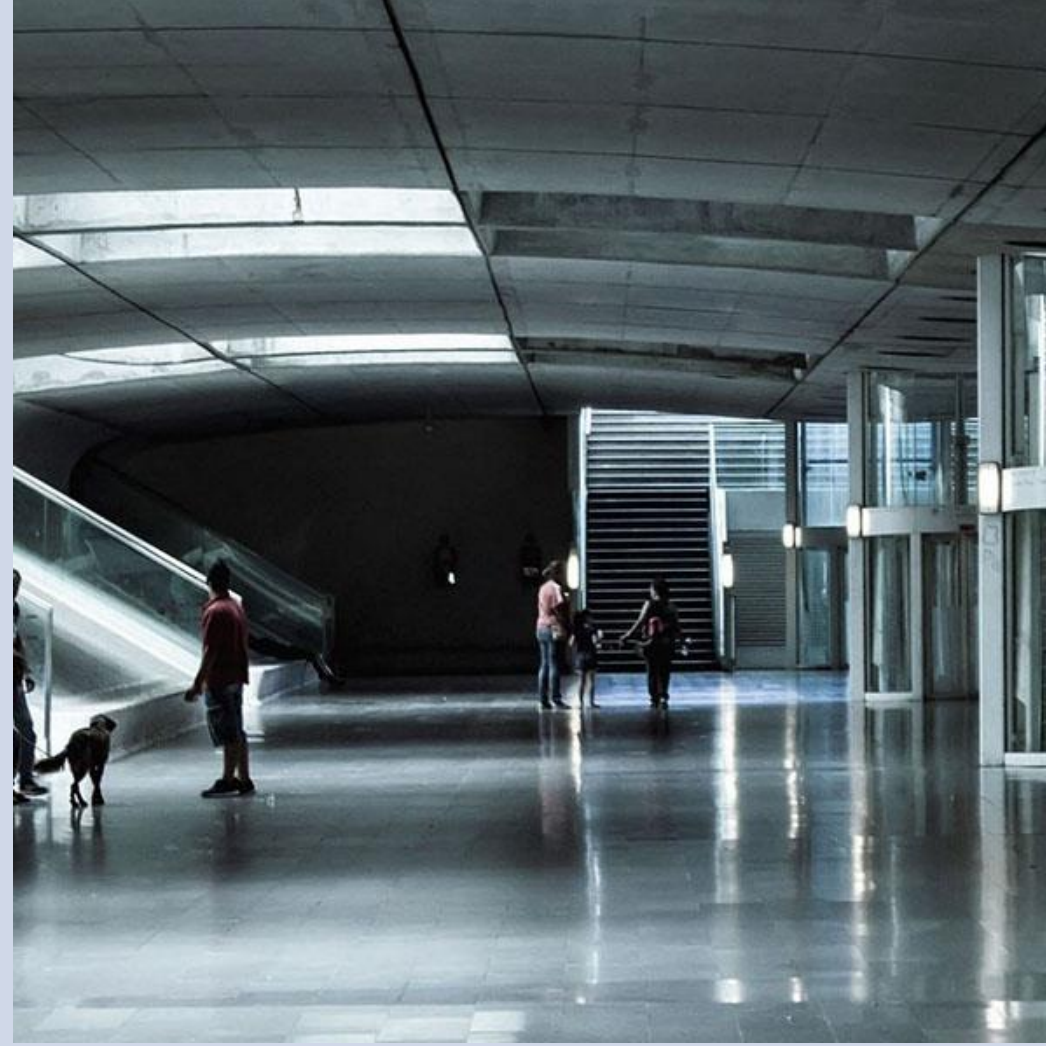
ARDIÇ CAM



GÜRSAN CAM



ELCO ELEVATÖR



AKSÖZ MAKİNA



SEĞMEN KARDEŞLER



DURUKAN ŞEKERLEME



NUHUN ANKARA



ÜLKER BİSKÜVİ



We are ready to help you build strong and reliable business, research and technology partnerships with our member companies.



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THANK YOU...

*From the industry of the capital
to the capital of industry...*