



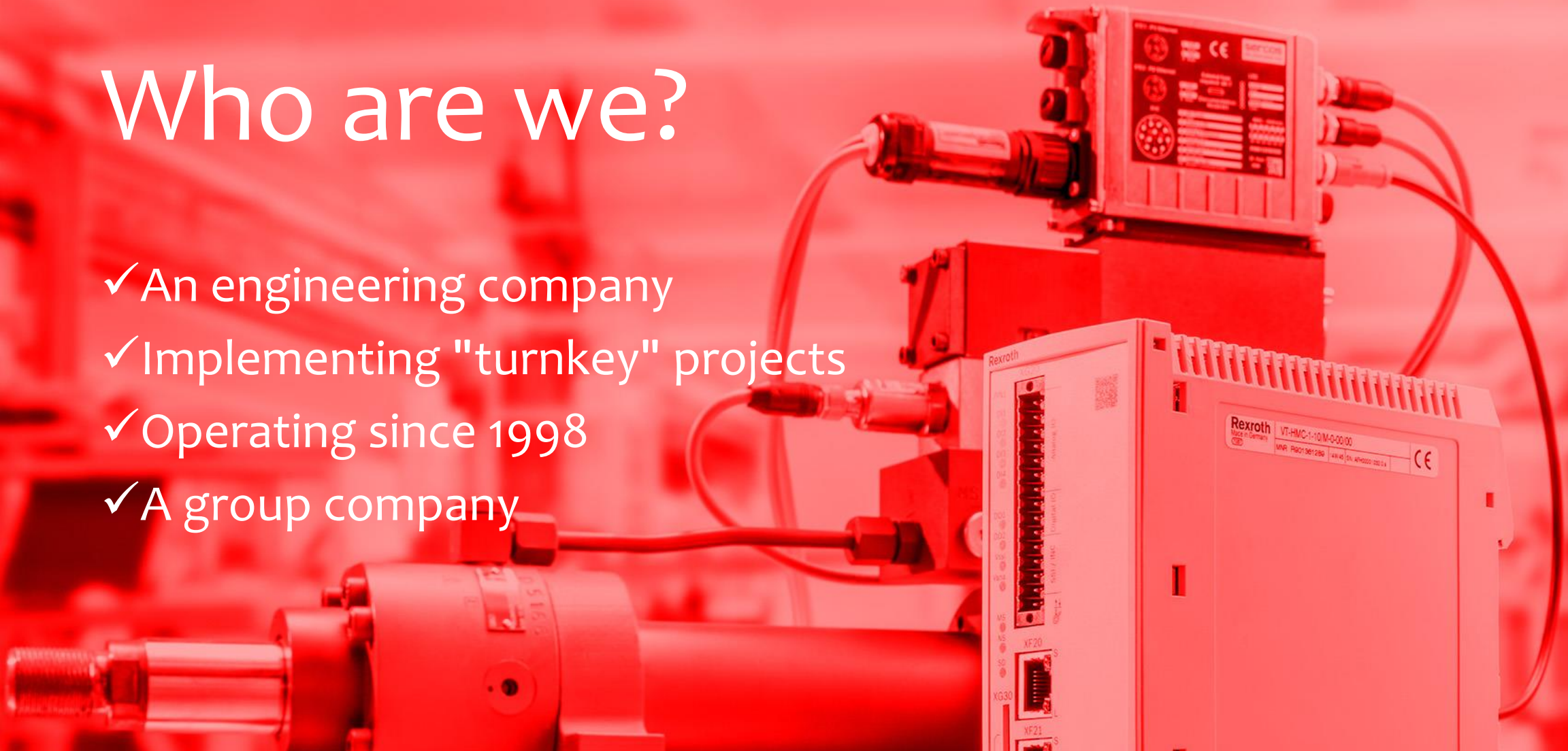
Good Engineering
+90 444 4580

01.02.2023
General Presentation



Who are we?

- ✓ An engineering company
- ✓ Implementing "turnkey" projects
- ✓ Operating since 1998
- ✓ A group company



The Company Data

Total Turnover:
€ 20 millions

Turkey:
€ 15,5 millions

Abroad:
€ 4,5 millions

Total employees:
148

Engineer:
69

Technical:
58

Others:
21

**R&D
Total:**
€ 1.000.000

**R&D Expenditures in
Relation to Sales:**
5,00 %



**HAREKET
KONTROL**
TEKNOLOJİLERİ
MERKEZİ

Main Departmentants

Two departments all experts in their fields

To improve our service quality and efficiency and to further enhance our expertness, we re-organized our company as 2 different departments working in harmony with each other.

Mechanical Automation & Robotics Department



With our Mechanical Automation and Robotics department, you can meet all your needs from one and the right place. With our team of experienced and expert engineers, we produce the best, most appropriate and fastest solutions for you.

Department of Hydromechanical Systems



We produce the best, most suitable and fastest solutions for you with our team of experienced and expert engineers in our hydromechanical systems department. You can get all your needs from one and the right place.



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R&D

We offer new products and projects by integrating new technology into changing market demands. This process is carried out with joint studies in coordination with science institutions and universities.



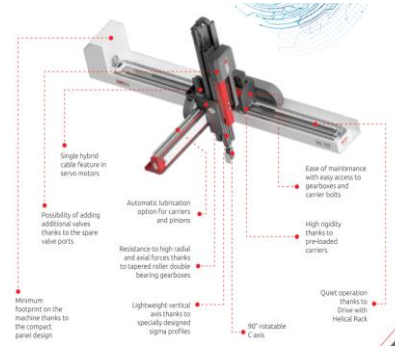
Delta Robot

In 2011 with the support of Tübitak we built the first Delta Robot in Turkey, a robot based on rod kinematics. "Rexroth IndraMotion for Packaging" control platform is directly connected with camera on robot and directly controls the robot's axes.

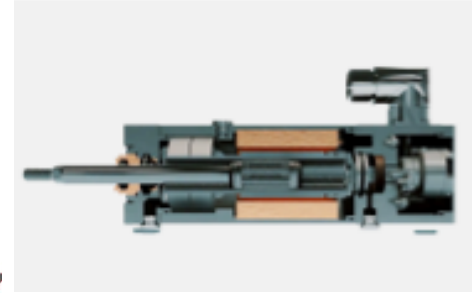


Paralel Robot

We built 2 axis Paralel Robot with a load capacity of up to 30 kgs based on rod kinematics to offer more economical solutions than their cartesian alternatives. To use domestic manufacturing opportunities is another advantage compared to conventional linear systems.



Cartesian System for Plastic Injection Machines



Electromechanical Cylinders

A high-performance alternative to pneumatic and hydraulic cylinders and are scoring top marks when it comes to energy efficiency. They are taking advantage of the benefits of modern control technology, even at high forces. Parameters for force, position and travel speed can be set as required by the user and flexibly adapted to new tasks at any time via the drive system.



Hydraulic Rotary Actuator

It has a high torque for angled movements. We offer short delivery times for Hydraulic Rotary Actuator.



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Partners & Group Companies



KUKA



Motion Control Service Center



Modular Modern Education Technologies



Machine Equipment and Robotic Systems



Steel Frame Manufacturing



Software and Information Processing Services



Positioning System and Robotics



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Group Companies

hksm | On-site Engineering
444 7 457



HKSM provides On Site Engineering and Maintenance Services with its 24/7 Service Vehicle

- ↘ Manufacturing and Installation of Hydraulic Pipes
- ↘ Pickling & Flushing Services
- ↘ Manufacturing and Installation of Hoses
- ↘ Fittings Supply
- ↘ Periodical Maintenance and Troubleshooting
- ↘ Repair and Maintenance Works on Hydraulic Cylinders, Pumps and Motors
- ↘ Predictive Maintenance Applications
- ↘ Energy Efficiency



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Special Machines:

MSC – Mobile Site Center Special Machine is designed and produced by HKTm for site assistance.

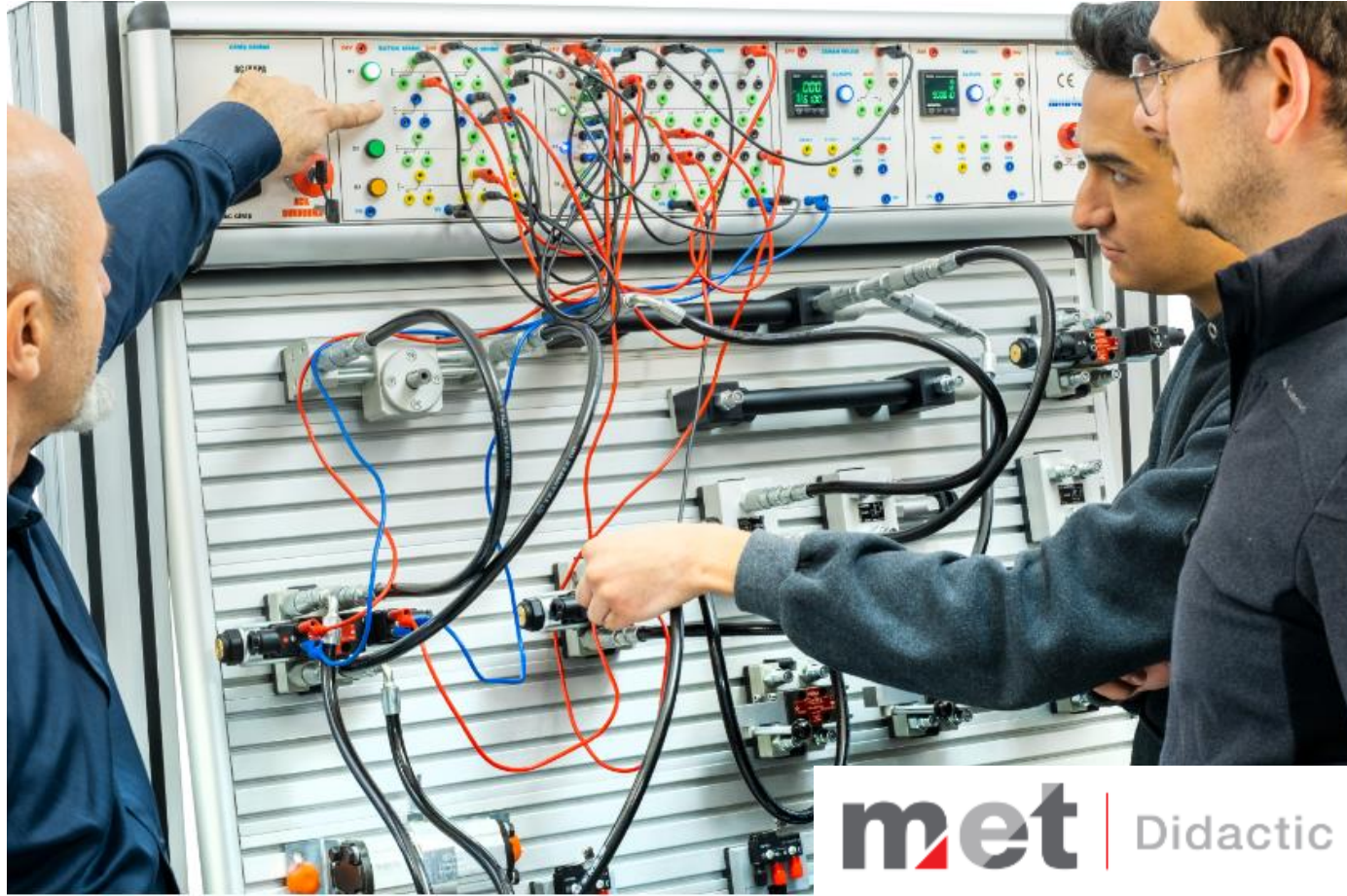
It includes pipe end forming machine, cutting saw, pipe bending and pipe post cutting polishing and cleaning.



Flush+ is Special Container designed and produced by HKTm for flushing applications.



Group Companies



met | Didactic



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Trainings & Training Sets:

- ✓ Holographic online training
- ✓ Virtual reality training set
- ✓ Hydraulic- Electrohydraulic training set
- ✓ Pneumatic-Electropneumatic training set
- ✓ Flexible Manufacturing System (FMS)
- ✓ Electrical control + Pneumatic + PLC training set
- ✓ Courses and seminars

Group Companies

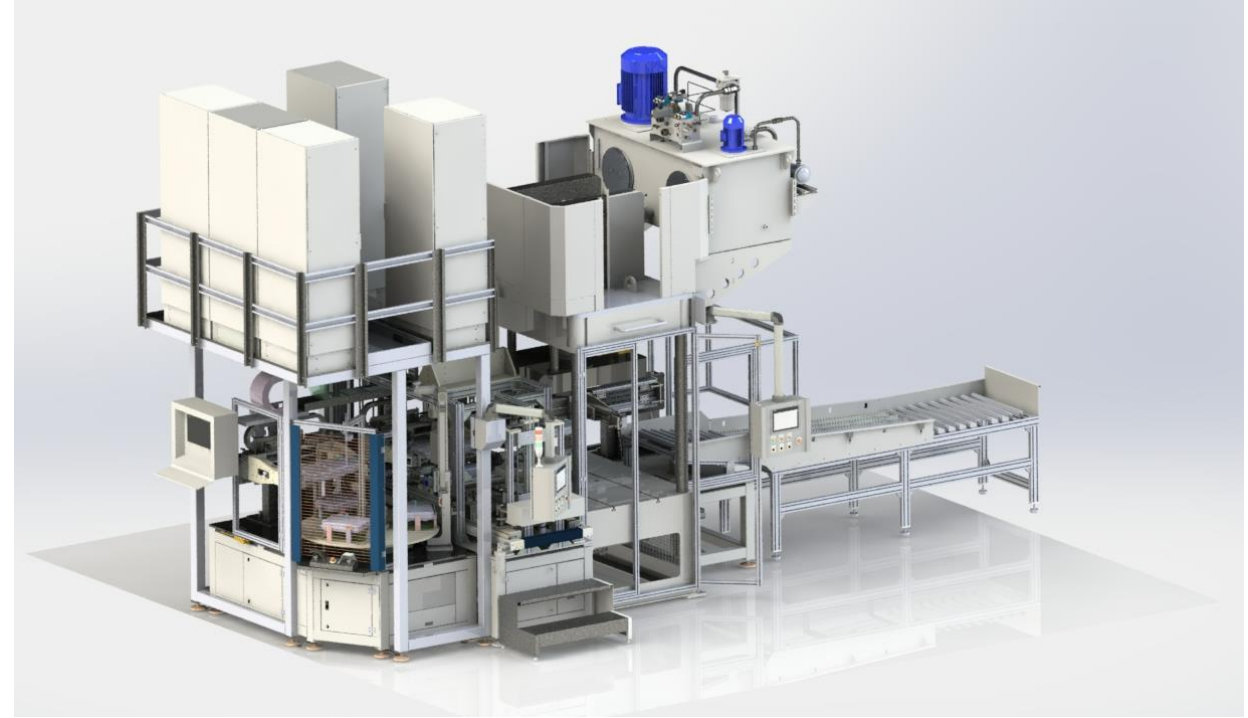


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Completed Projects:

- ✓ Oven frame welding and transfer systems
- ✓ Bonding applications
- ✓ Linear actuator applications
- ✓ Buckl screwing station
- ✓ Drilling line
- ✓ 2 axis transfer systems



Group Companies

Lenta
marine

Applications of ARAT:

- ✓ Survey
- ✓ Sampling
- ✓ Discovery
- ✓ Temperature, oxygen,
pH measurements



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ARAT 4:

[Lenta Marine ARAT ROV - YouTube](#)



- ✓ Operate up to 300 meters depth
- ✓ 1080P display resolution
- ✓ Instant image transfer via internet
- ✓ Obtaining underwater GPS coordinates (USBL installed)
- ✓ Obtaining 360 degree sonar images (sonar equipment installed)
- ✓ Dissolved oxygen sensor
- ✓ Salinity sensor
- ✓ Sampling apparatus

clacd® IPM MES Technology:

It is a production monitoring and analysis system.

Its modules:

- ✓ Instant production monitoring software
- ✓ Instant OEE monitoring software
- ✓ Operator monitoring software
- ✓ Machine monitoring software
- ✓ Quality monitoring software
- ✓ Maintenance monitoring software
- ✓ KPI monitoring software
- ✓ Comprehensive reporting software





İNOVASYON
MÜHENDİSLİK

IOT & Industry 4.0 Applications:

[İNOTA 100 Autonomous Mobile Robot | Moves materials:
Always, On time, Reliable. - YouTube](#)

- ✓ Autonomus Mobile Robots (AMR)
- ✓ Real Time Locating Systems (RTLS)
- ✓ UPLAT – Virtual Robotics Laboratory

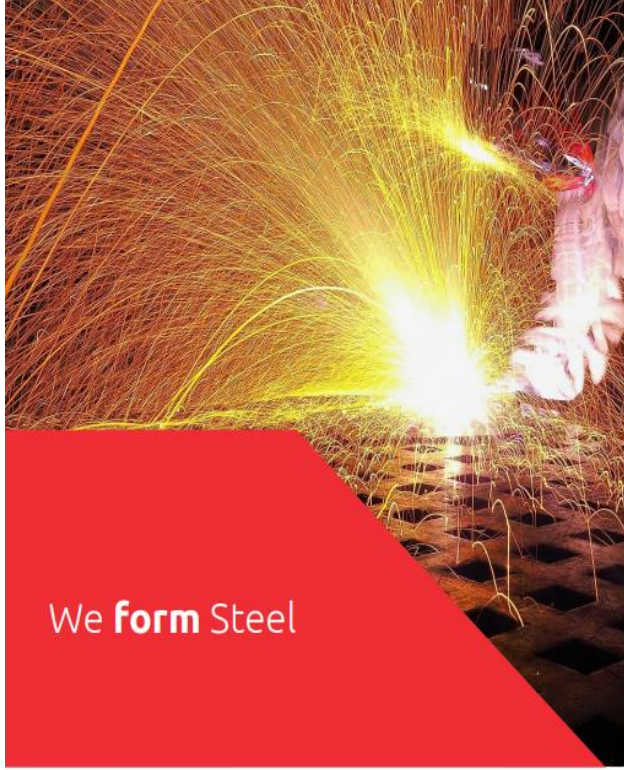


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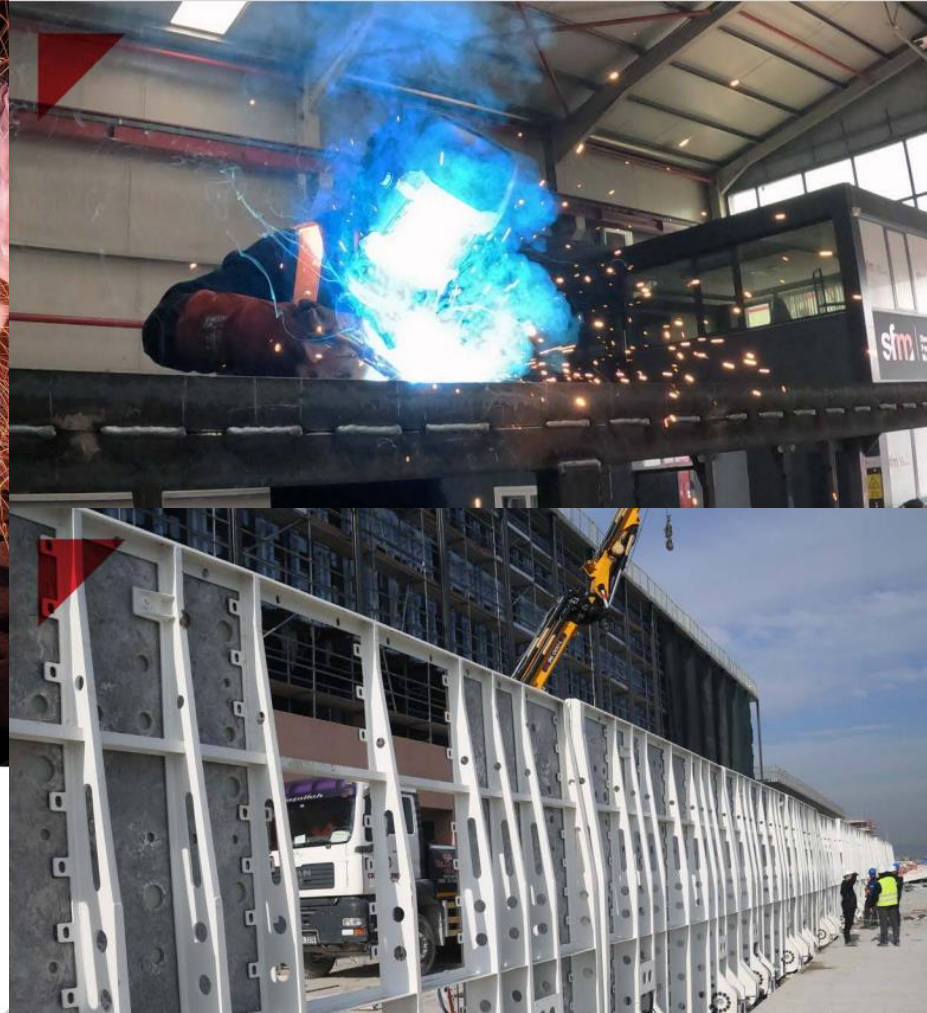
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Group Companies



We **form** Steel

sfm | Steel
Frame
Manufacturing



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Products:

- ✓ Machine Chasis Manufacturing
- ✓ Hydraulics Tank Manufacturing
- ✓ Valve Stands
- ✓ Nitrogen Stands
- ✓ Kinetic Structure Construction
- ✓ Mobile Vehicle Covers



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hktm is open to the stock market!



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hktm & Gold Level

- HKTm has been awarded with LEED (Leadership in Energy & Environmental Design) certificate given by US Green Buildings Council in **LEED GOLD** level.

[LEED GOLD Certificate - YouTube](#)



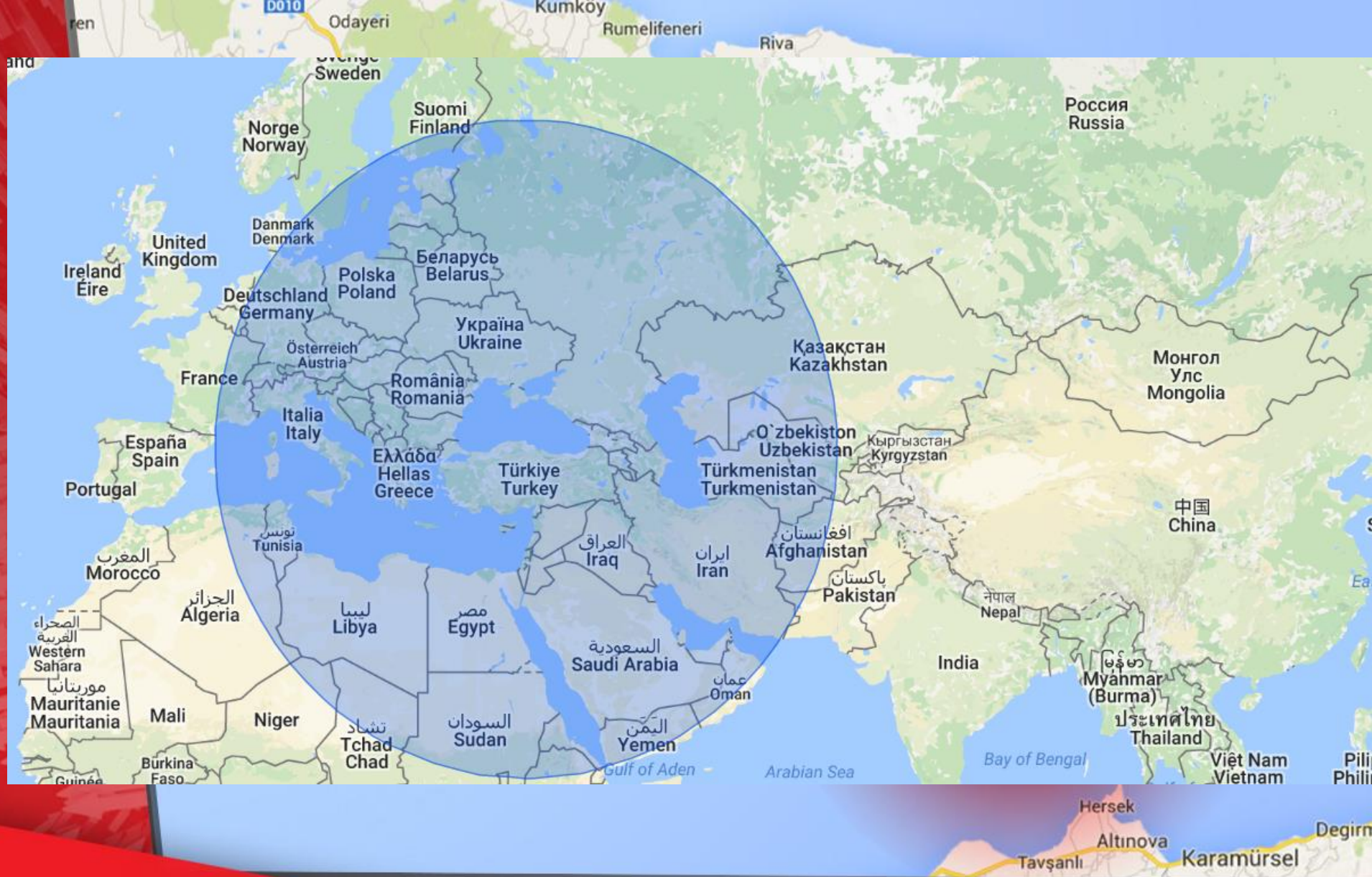
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Where we
are ?

3 hours by
plane
«2600Km»



Sectors served by our company

HKTM correctly identifies customer needs and demands with its specialists and experienced staff and produces reliable and economical turnkey solutions needed by the customers.

It integrates its design and production experience gained through applications in various industries with turnkey solutions aiming to meet customer needs and demands in the most accurate way possible.



**Demir & Çelik
Sektörü**
Iron & Steel Industry



Lastik
Tire Industry



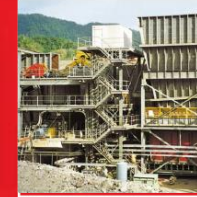
**Dövme ve Ağır
Sanayi**
Forging & Heavy Industry



Beyaz Eşya
White Appliances



Cam
Glass



Maden
Mining



Paletleme
Palletizing



Makina
Mechanical Engineering
Applications



Alüminyum
Aluminium



Malzeme Taşıma
Material Handling



Test Makinaları
Test Machines



Gemi İnşaa ve Yat
Ship Building and Yachts



Gıda ve Ambalaj
Food & Packaging



Eğitim
Training



İnşaat ve Barajlar
Construction and Dams



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Thank You