



asçelik

Steel Casting Foundry

History

- **1956**

Started steel casting as a small casting shop as a family business.

- **1995**

Took the name of As Çelik and started to export to Europe

- **2007**

Company management passed to the third generation of the family.



As Çelik with Numbers



550 Employees



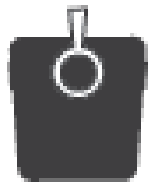
3 Shifts / 6 days of week



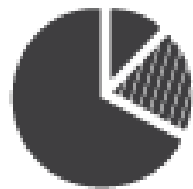
2 Facilities in Samsun TURKEY
120.000 m² total terrain



Casting capacity up to
35 tones for a single
part



35.000 tones casting
capacity / year



The biggest
manganese steel
producer in Europe



91 %
Deliver on time



Facilities



As Çelik Central Foundry in Tekkeköy and the second foundry in Kavak are 50km away from each other.



Financial Facts



TURKEY'S SECOND TOP 500 INDUSTRIAL ENTERPRISES 2022

As Çelik is in the list of «Turkey's Second Top 500 Industrial Enterprises 2022» with total turnover of € 55 Million.

€40 Million
Turnover in 2021





84%

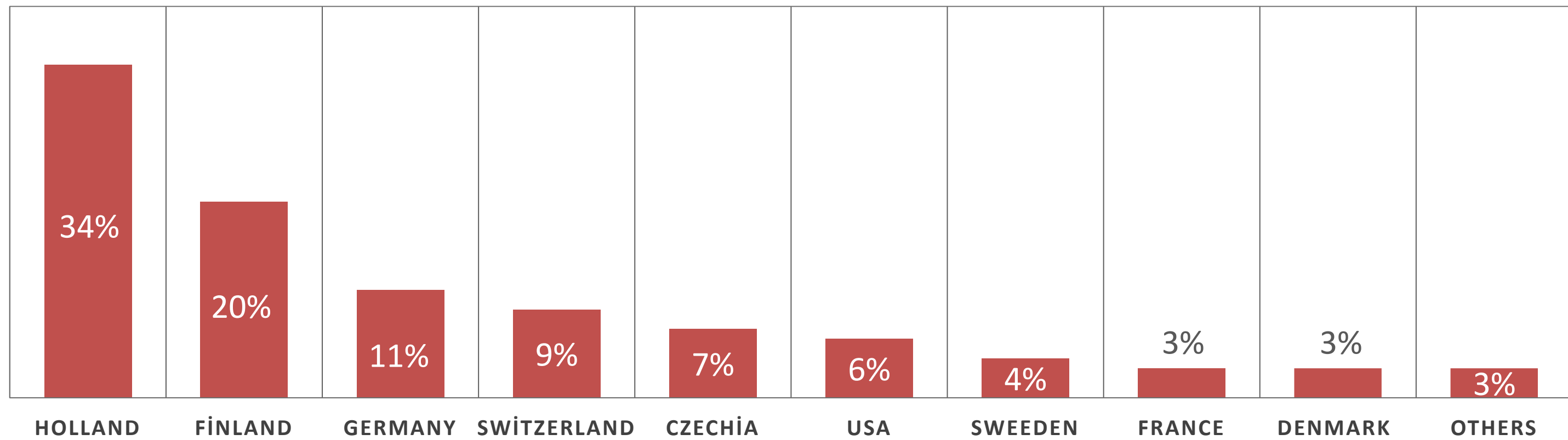
Exporting of total production to
EU Countries

Export Rate



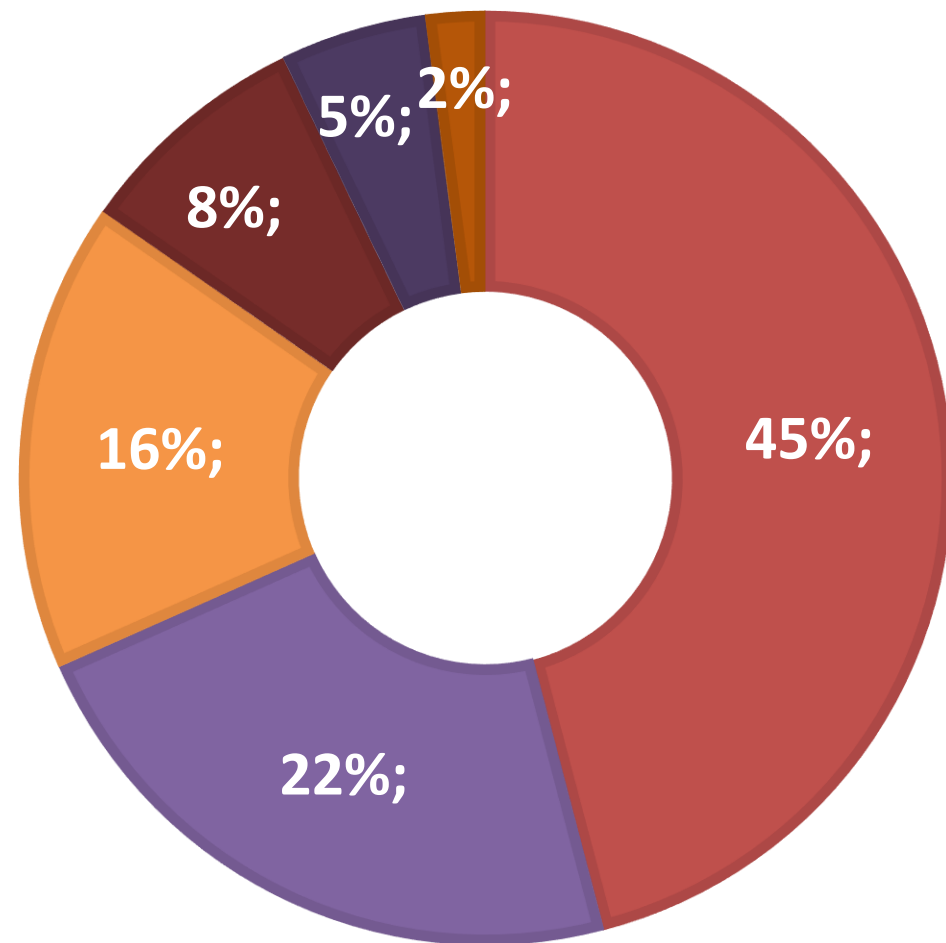
As Çelik is in the list of “Top 1000 Export Companies of
Turkey» for more than 10 years.

Export Figures

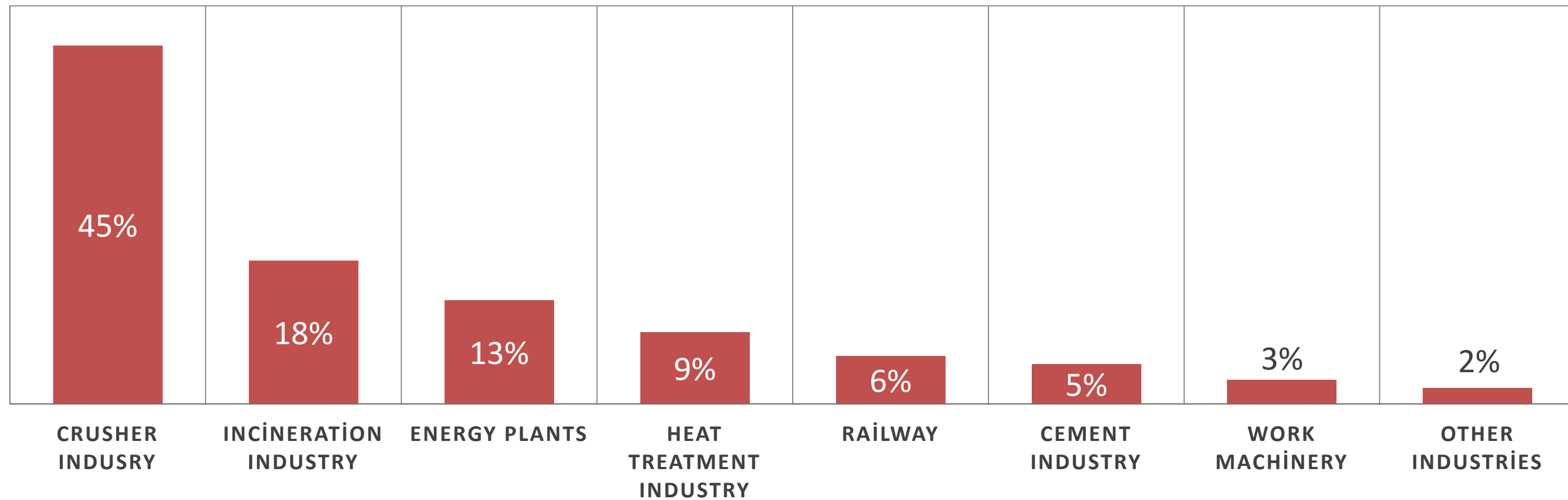


Production Scale

- 1. Manganese Steel
- 2. Stainless Steel
- 3. Carbon Steels
- 4. Low Alloyed Steels
- 5. Cr-Mo Steels
- 6. Other Casting



Customer Scale



Production Sites



**WE DO NOT
OUTSOURCE**

All processes in house

Study and Project

Pattern Shop

Molding Lines

Core Shop

Casting Lines

Heat Treatment

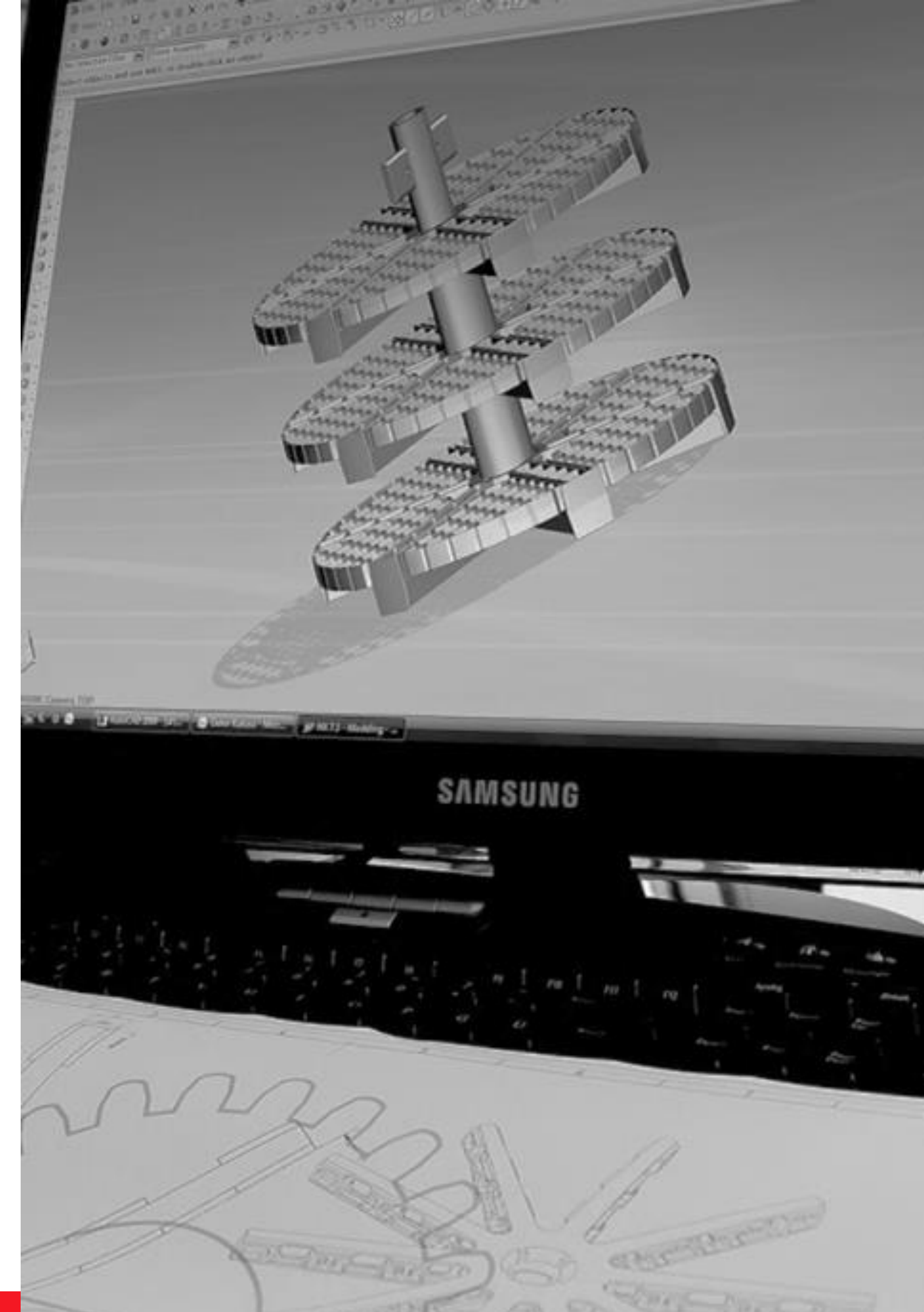
Machining Shop

Quality Control

Packing & Delivery

Study / Project / R&D

- 3D Modelling by UniGraphics
- Special designs according to customer needs
- CAM datas for CNC Machining
- Raw datas for casting simulation
- Casting Simulation by Nova Solid and Magma at the same time
- Improvement in casting design
- Prevention of possible defects throughout the casting



Pattern Shop

- 21 employees
- Pattern manufacturing with 3 different materials
(Wood, Araldite & Aluminium)
- 5 CNCs in charge for pattern
- Pattern revision
- Storage of patterns (free of charge)
- Insurance against natural disasters



Molding Line



- All Alphaset resin systems
- Silica sand
- 5 full automatic molding lines
- 6 semi-automatic hand molding lines

Casting Lines

50 tones

total casting capacity

Our induction furnaces :

4 x 1 tones

4 x 2,5 tones

2 x 5 tones

2 x 8 tones

2 x 15 tones

Heat Treatment



Current Capacity :

6 Normalisation & 10 Quenching

Various sizes of electrical normalization, water quenching & tempering furnaces

Max. 4500 mm diameter, 30 tones weight for quenching.

Future Capacity :

New investments to the heat treatment area in Kavak Factory.

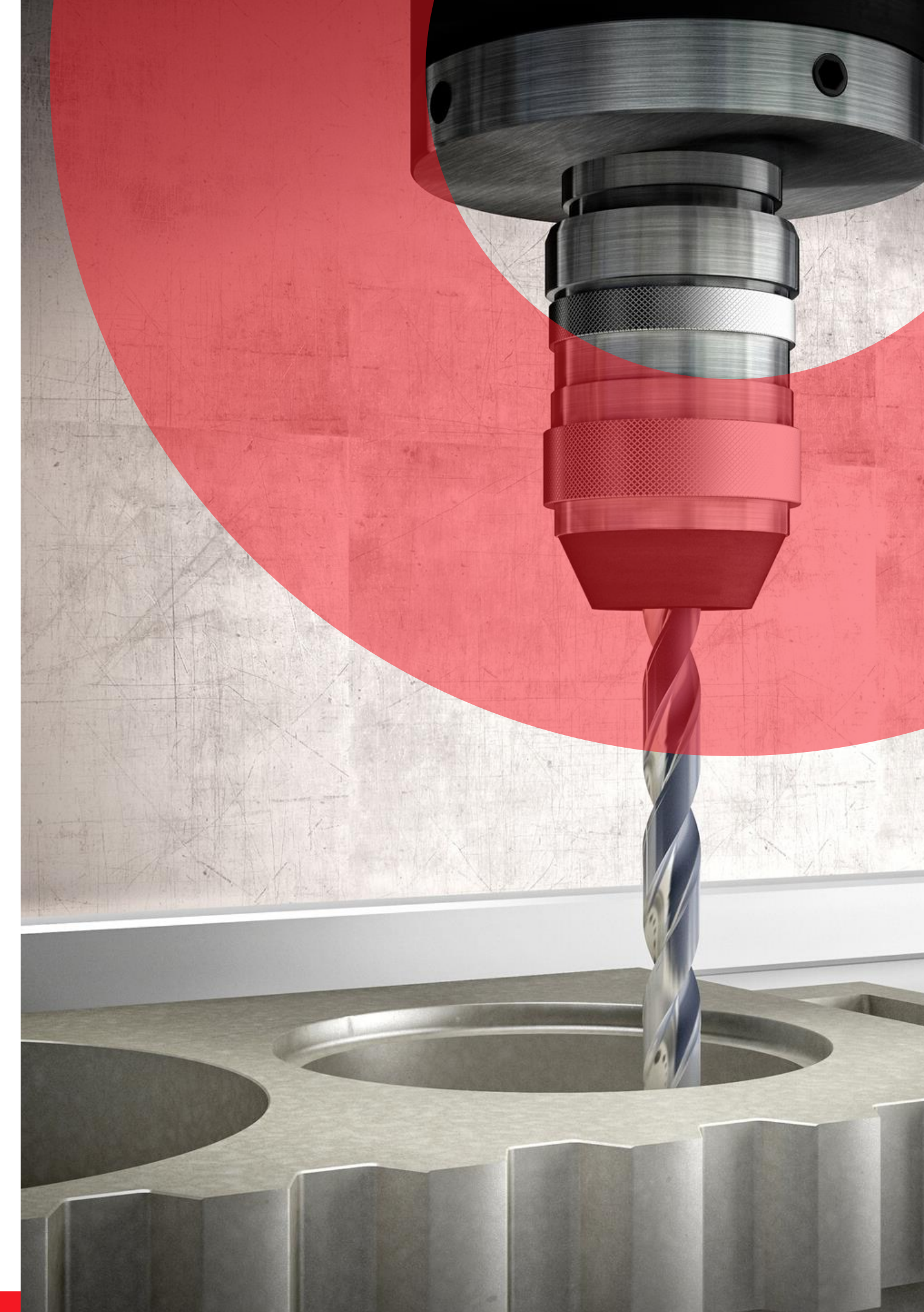
Max. 6000 mm diameter, 35 tones weight for normalisation.

Machining Shop

In the machining department

38 CNC Machines:

- 19 Turning Machines (Max. capacity 4000 mm)
- 17 Milling Machines (Max. capacity 6000 mm)
- 2 Bohrwerk Machines (Max. capacity 8000 mm)



Quality Control

- Certified personnel
- Radiography with Co 60
- Ultrasonic Testing
- Magnetic Particle Testing (Fixed & Portable)
- Microstructure Testing (Fixed & Portable)
- Dye Penetrant Testing
- Tensile Strength Device
- Charpy Impact Device
- Hardness Device (HRC, HB, HV)
- Dimension Control with 3D CNC measuring device (Faro ARM and CMM Machine)

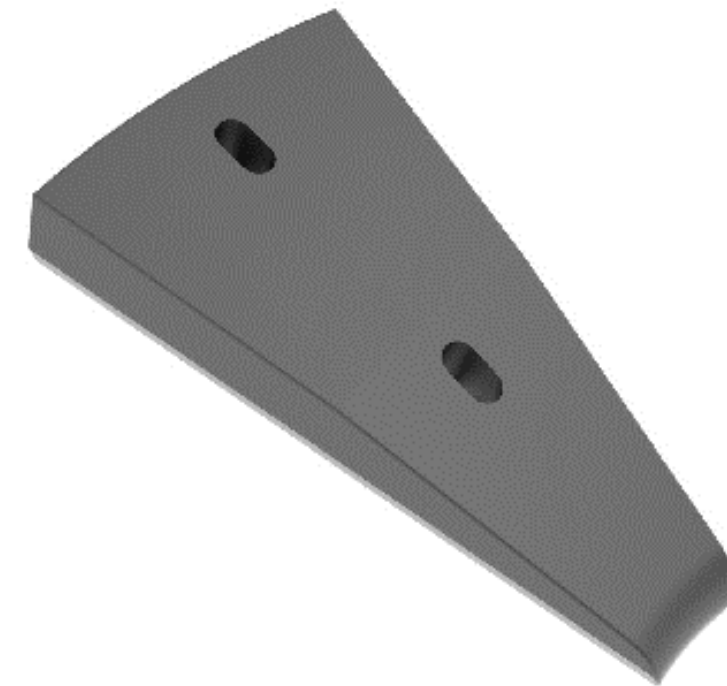
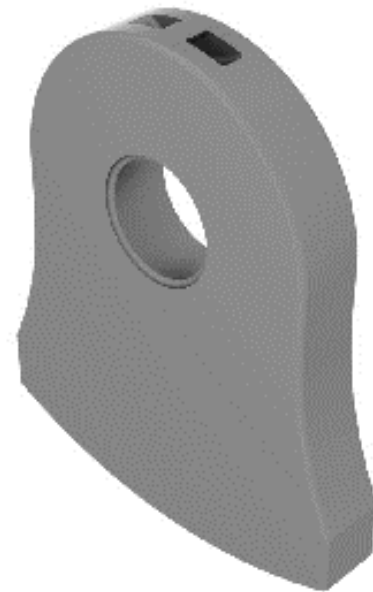
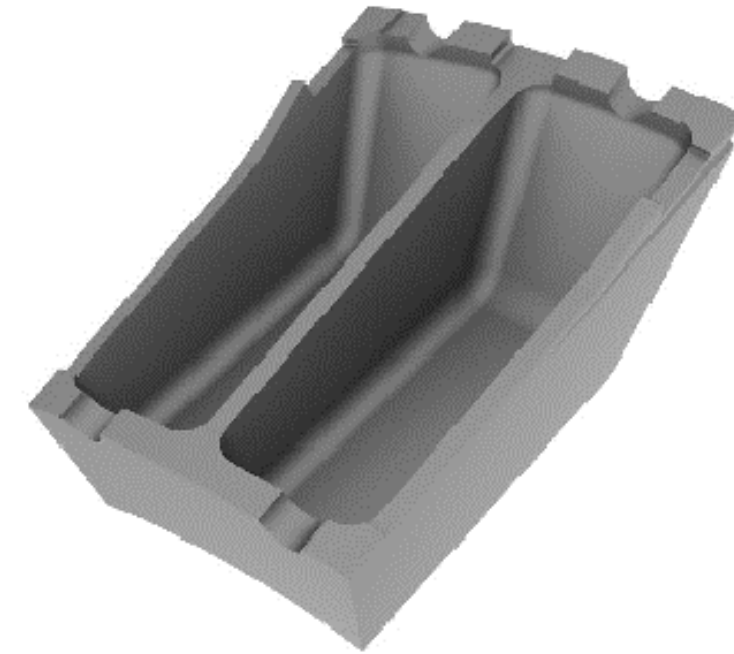




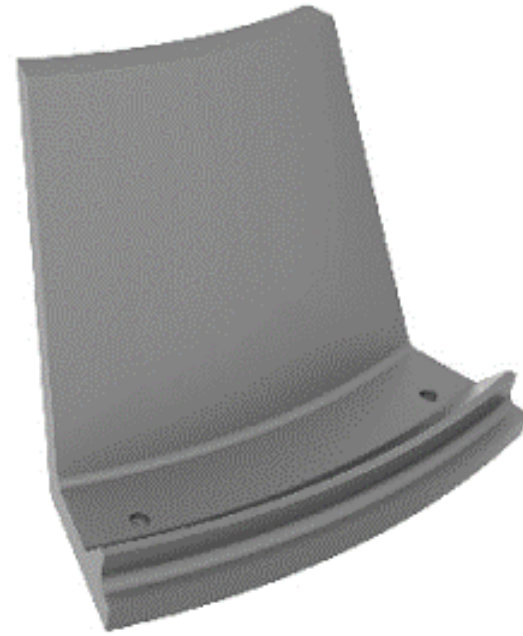
Industries

As Çelik works with big OEM companies of various industries such as mining, heat treatment, cement, railway, incineration etc.

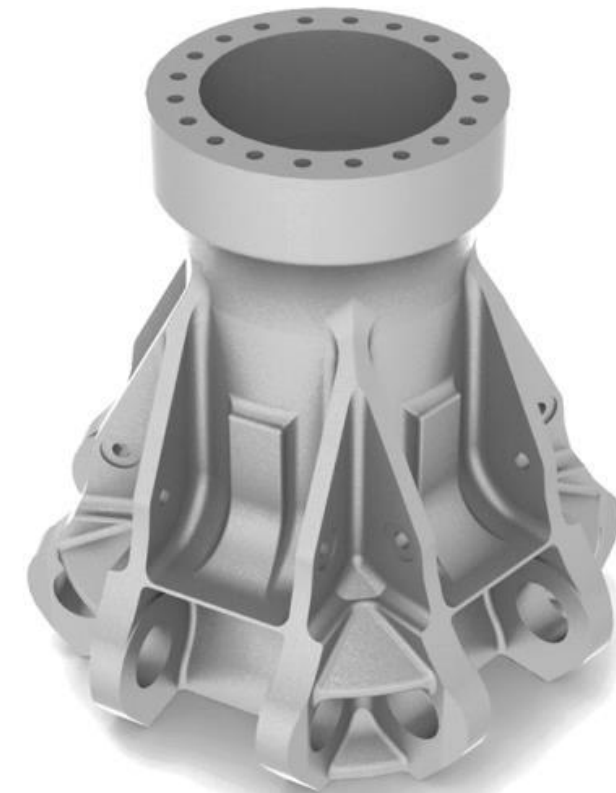
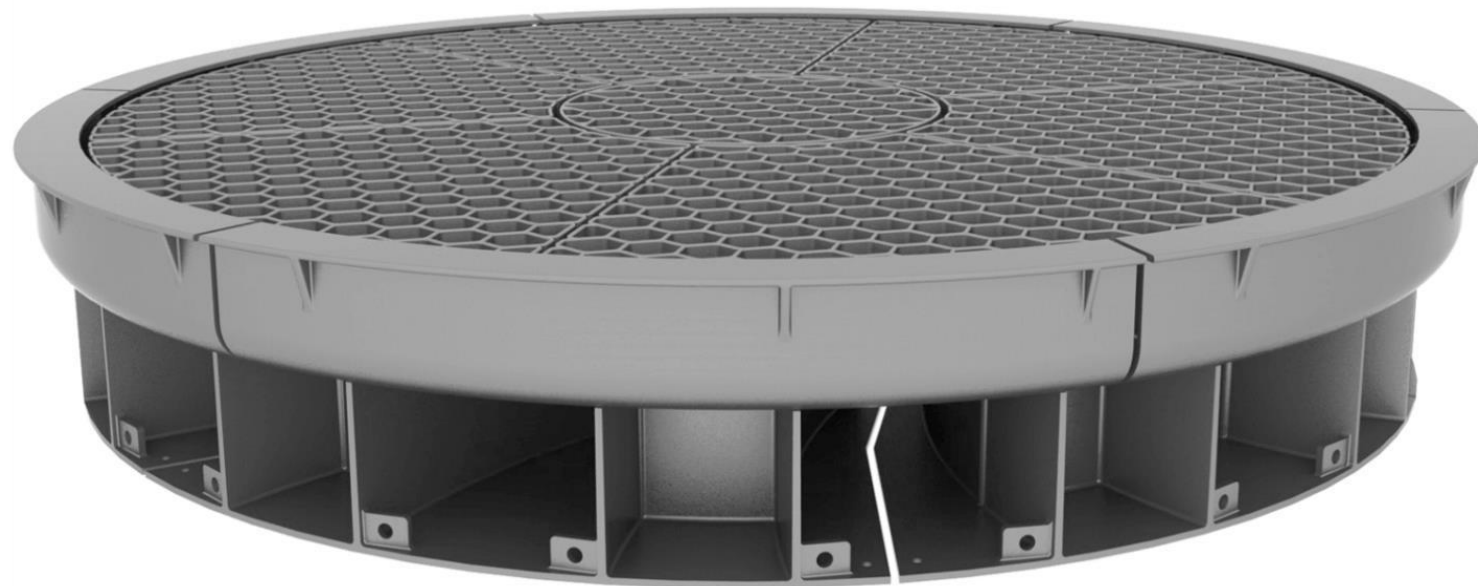
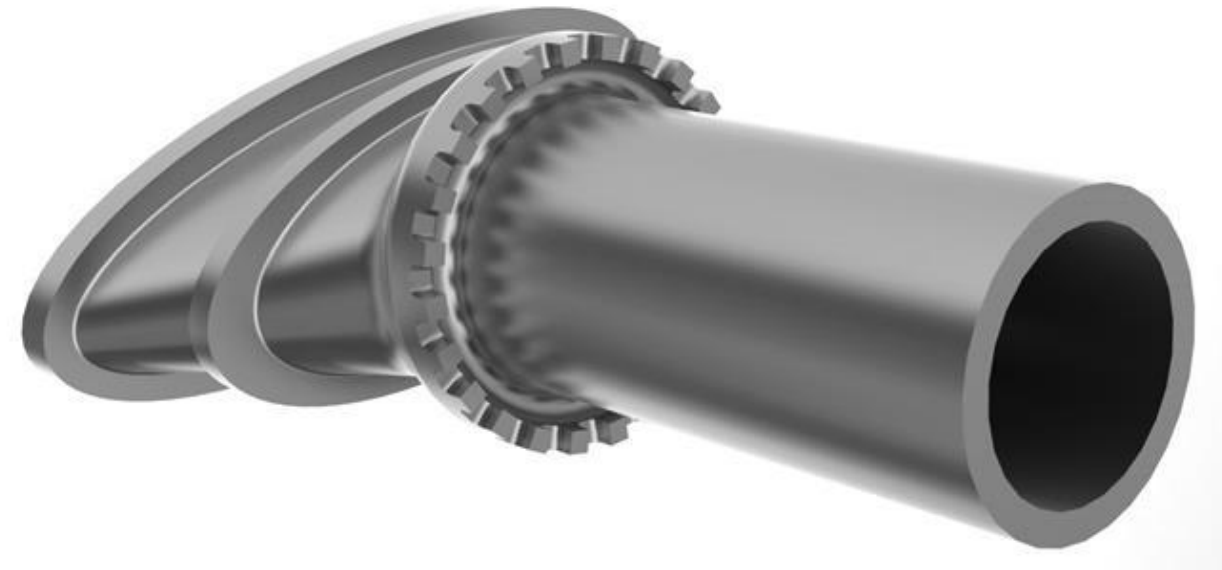
Solids of Produced Parts



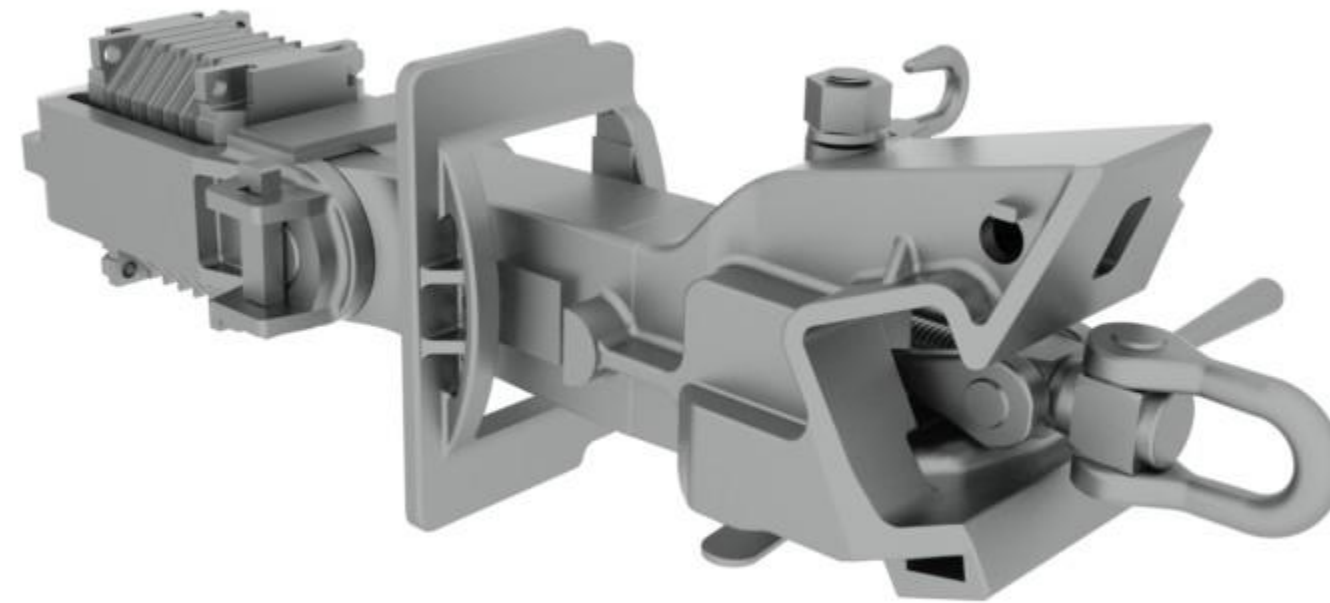
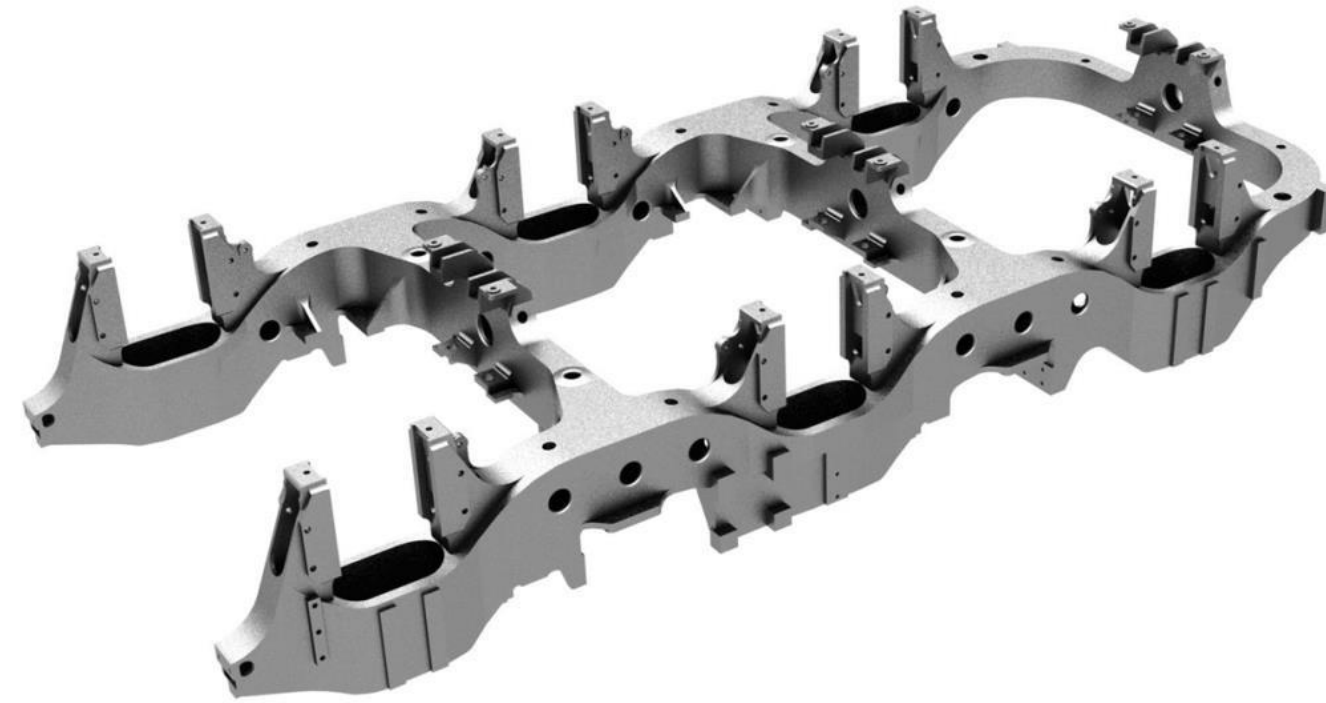
Solids of Produced Parts



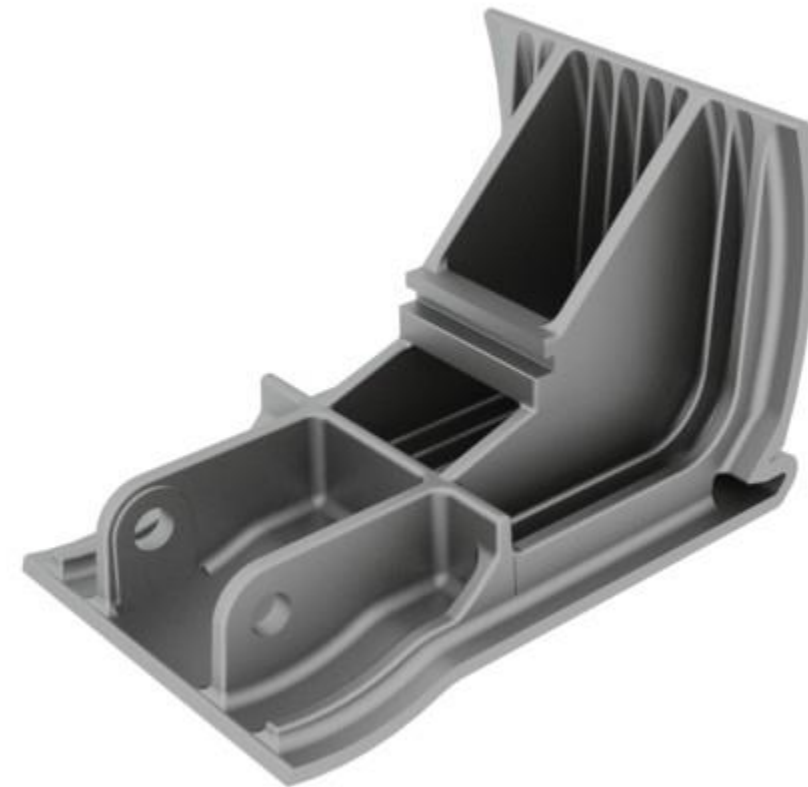
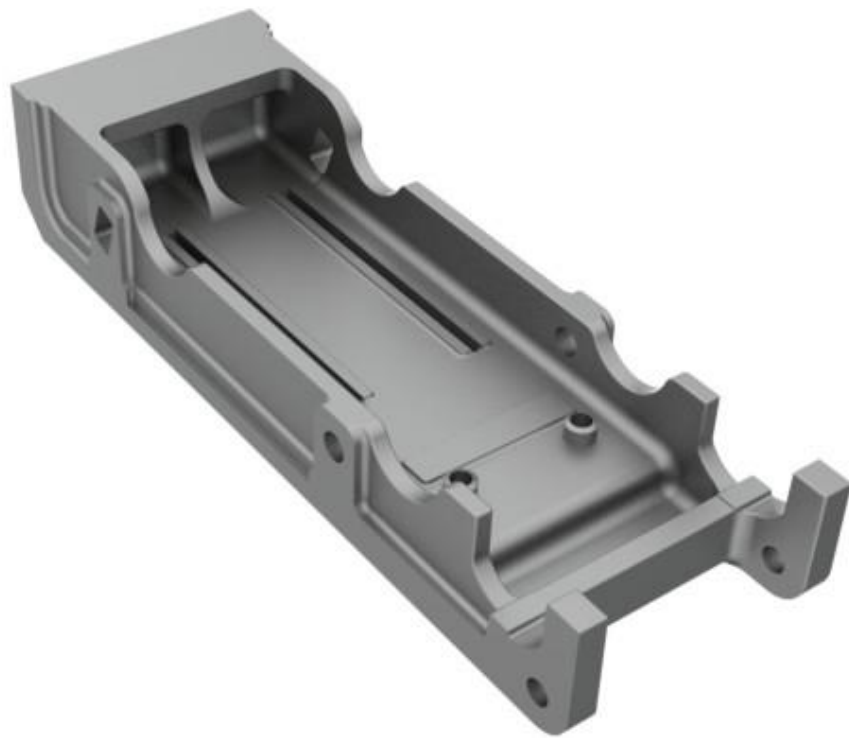
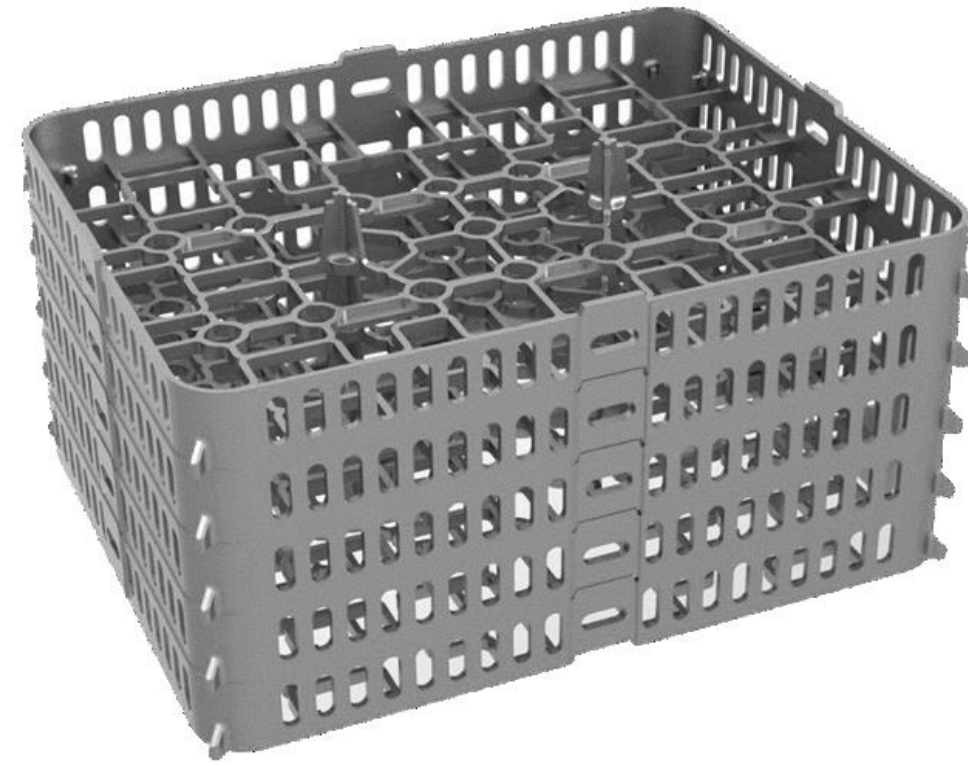
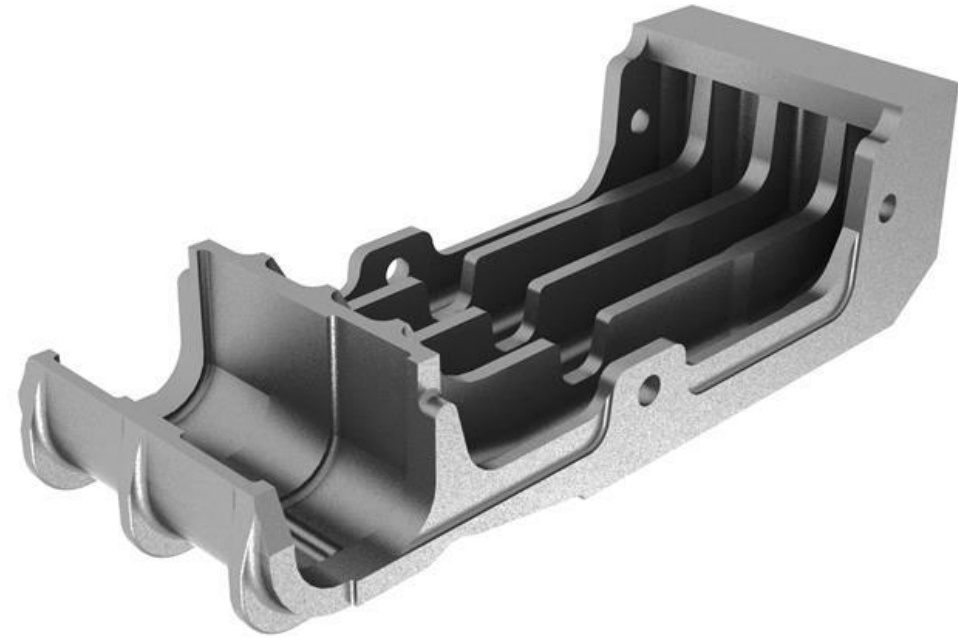
Solids of Produced Parts



Solids of Produced Parts



Solids of Produced Parts





Investments in Kavak Factory

- 20.000 m² covered area is builded as production area in Kavak Factory
- 5000 m² area is prepared for the annexe building.
- 35.000 m² is floor area is created for next stage of Kavak factory investments.
- R&D Center and Pattern Storage includes 20.000 pieces are planned to established in Kavak.
- As Çelik Academy for training young generations of casting industry.



BUREAU VERITAS S.A.

Since 2019, As Çelik is certificated by BV with:

ISO 9001:2015 Quality Management System

ISO 14001:2015 Environment Management System

ISO 45001:2018 OHS Management System

By 2022

ISO 50001 :2018 Energy Management System by BSI

(British Standards Institution)



Accreditation





- As Çelik is very strict about complying all rules and requirement of ISO 45001: 2018.
- Develop O&HS policies, procedures and guidelines according to actual risk assessments.
- Regularly monitor and review the implementation of and compliance with OH&S policies.
- We work with «Zero Occupational Accident» target.
- Non-stop in-company trainings for all staff.

Occupational Health & Safety



As Çelik, accepts and undertakes to comply with all legal requirements, compliance obligations, and all existing laws and regulations of Turkey in all matters that has the potential to create an environmental impact.

As Çelik sets the sustainability vision as part of our core business strategy and plans to actualize this vision with long-term objectives.

As Çelik committed to *The Science Based Targets initiative* (SBTi) and took its place in the list of companies target to reduce their carbon footprints.

Studies in order to measure the carbon footprint is started with an environmental consultancy agency in 2022.

Complying the requirments of *European Green Deal Agreement* in 2026 is the main target of environmental approach of As Çelik.

Environment Approach



**WE
GO GREEN
SOLAR**

For the future of our planet,
Clean, Renewable Rnergy

6,5 MWh Solar Power on field
2,5 MWh Solar Power on rooftop



**Self-Sufficient
Energy by 2026**

Contact Us



As Çelik Döküm İşleme San. ve Tic. A.Ş.

Head Office:

Organize Sanayi Bölgesi,
Dumlupınar cad. No: 8 55300
Kutlukent Samsun / TURKEY

Tel: +90 362 266 67 90

www.ascelik.com

info@ascelik.com

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