

ADVANCED ALUMINIUM SOLUTIONS



WHO WE ARE?





COMPANY DESCRIPTION

Erdoganlar Aluminium which was established in 1987 in Istanbul is a family owned company and currently being run by the second generation. From the beginnings in the late 1980s, having the production plant and offices under the same roof ensured a better organization and standards.

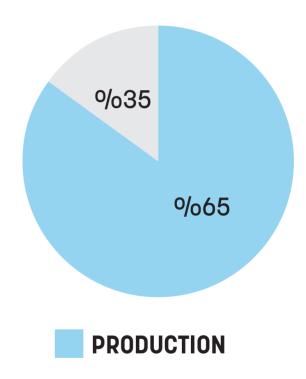
Today with two production plants (istanbul 40.000 m2 app. 370.000 ft2 - Kırklareli 200.000 m2, 2.000.000 ft2 40.000 tons capacity annually, 500+ employees and more than 30 years of experience, our vision is to fulfill the custom and individual needs of our partners by offering a wide range of products and services including custom fabrications, custom aluminum extrusions, custom packaging and more.





NUMBER OF STAFF

500+



ADMINISTRATION



ZOMPANY HISTORY



ERDOGANLAR

ESTABLISHED



START AN EXPORT **BUSINESS**

1992



MACHINING

FACILITY



2003

ANODISING PLANT

2015

INTRODUCED

AVON

ERD METAL INC BOSTON







ERDOGANLAR ACHIEVES QUALICOAT QUALANOD CERTIFICATION FROM THE POWDER COATING PLANT

BUSINESS CORPORATION WITH AKOTHERM GMBH

2010

INTEGRATED

ERP SYSTEM



2015

FULL AUTOMATIC

WASTE EFFLUENTS

PURIFICATION PLANTY



(2)

NEW TECHNOLOGY MULTICELL ANODISING PLANT

2015

0



2016



POWDER COATING WAREHOUSE SERVICE PLANT

2017



INTRODUCED NEW INVESTMENT QUUP HEATING SYSTEMS

2017



INTRODUCED WAREHOUSE SERVICE ERD METAL CANADA, INC OTTOWA, CANADA

2021



2022



NEW FACTORY IN KIRKLARELİ, TURKİYE 200.000 M²

2023



INVESTMENT OF AUTOMATED EXTRUSION LINE WITH 7"'PRESS MACHINE INVESTMENT OF SMELTING FACILITY





☞ GROUP COMPANIES

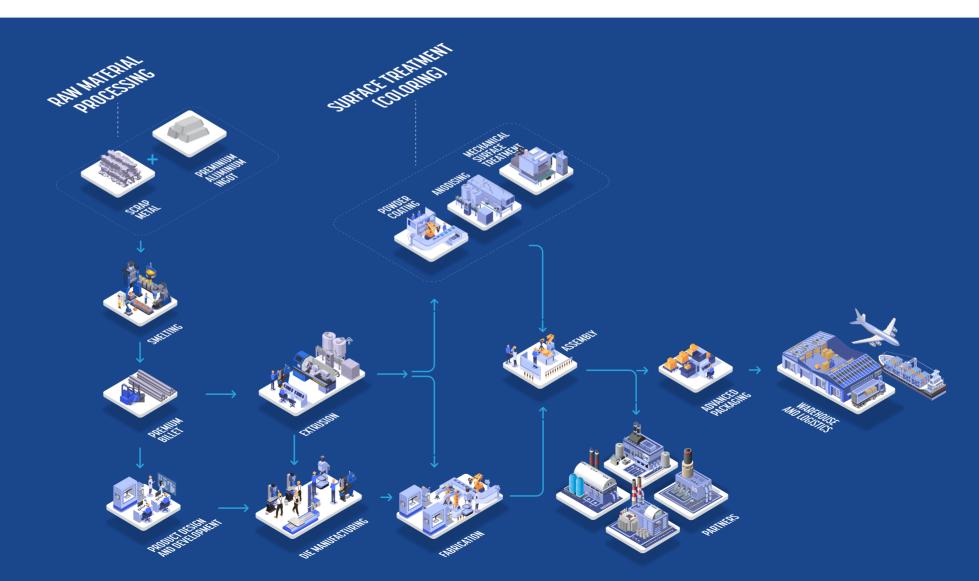
quup	erd metal USA	erd metal CANADA
AKOTTOPO 8 ALUMINIUM-PROFILSYSTEME	Ξ∇ΞR	erdoq̃anlartarım
OREGO	MO><	Protrim Yapı Sistemleri Anonim Şirketi





WHAT WE DO?







wag/taff



WAGSTAFF BILLET CASTING SYSTEMS

By the second half of 2023, we will commission the casting line with a capacity of 50.000 tons. We will reach 100.000 tons of billet casting capacity in 2 years.

- *High Quality of Billets
- *Wagstaff AirSlip AirCasting Technology
- *Smooth surface quality, small bark area and uniform grain structure that is the world standard for billet quality.



wag/taff.



GREEN BILLET CASTING

Erdoganlar will be producing green billets,

- Low carbon emissions
- Life cycle environmental performance
- High percentage of recycled green billet production









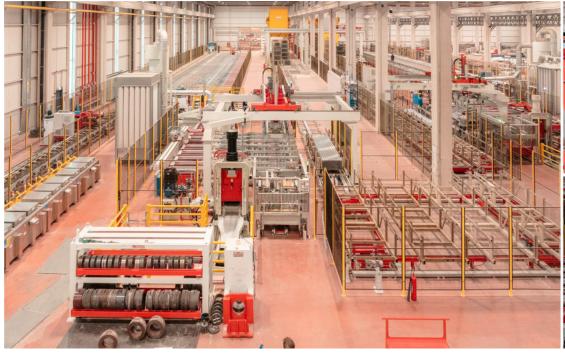
DIE MANUFACTURING

Achieving high quality material at extrusion stage depends on die production and design which is one of the most important precess before extrusion. We continuously aim for innovation benefiting from latest technological improvements

- We do die correction besides die manufacturing and this ability provides us high flexibility
- Close collaboration with international partners considering innovative approachand follow up of latest technological improvements.
- Producing dies under tight tolerances using
- CAD/CAM programmes with latest technology
- Die manufacturing
- Inhouse
- Local sourcing
- International sourcing

- Flexible delivery terms
- Immediate action for die modification incase of customer request.
- Well experienced technical stoff.









EXTRUSION

All presses are fully modified and running according to the latest automated improvements of technology.

5 aging ovens which can provide us flexibility for different hardnesses. We have 4 extrusion lines and we invested on for 5th extrusion line, 7"press in 2023.

- 9" PRESEZZI ITALY
- 7"SMS INNSE ITALY

- 7"LOEWLY UK
- 5" MEI RUNEY TAIWAN
- 178mm (7") 1950 TONNES PRESEZZI ITALY
- New investments for 2 more 9" and 2 more 7" extrusion lines in Kırıklaereli factory site for near future.

New extrusion line is being run with 3 people with integration and automation.





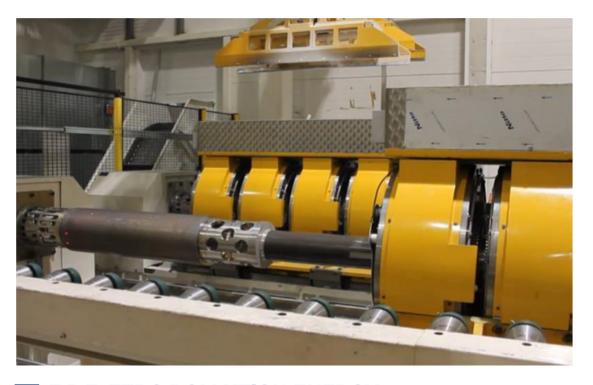
EXTRUSION















Z.P.E. ZERO POLLUTION ENERGY

Z.P.E. Zero Pollution Energy is brand new and patent-pending Aluminum heating system developed entirely by Presezzi Extrusion and is implemented at Erdoganlar factory.

The Z.P.E. is a magnetic induction oven suitable for aluminum alloy or non-ferrous material billets.

This is the optimum system for billet heating with low energy consumption, 165 kWh/t







HIGH EFFICIENCY COOLING SYSTEMS

With Presezzi Cooling system,

At the exit of the press there is the Presezzi's "H.E.C.S." cooling system.

"H.E.C.S." means High efficiency cooling system that is characterized by a new pattern of air nozzles that improve the efficiency of the system approximatively of 25% compared to traditional system.





№ NITROGEN DIE COOLING







IMPROVED DIE LIFE

BETTER SURFACE QUALITY

BETTER STRENGHT







ANODIZING LINES

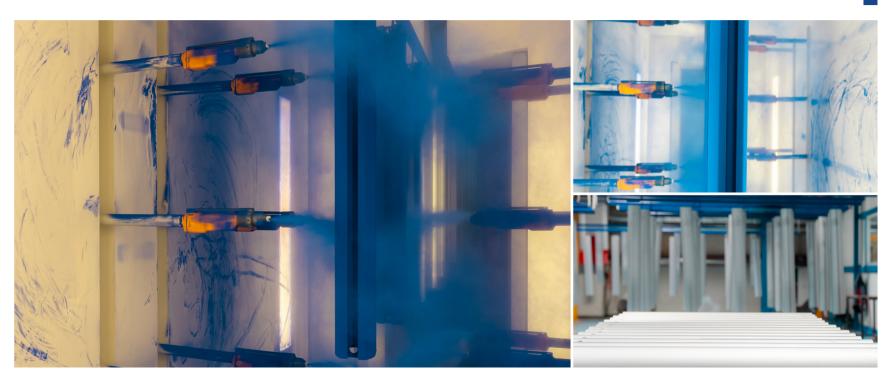
Anodising line has a capacity of 1000 tons per month accordance to Qualanod norms.

Anodization with a wide range of colors and surface effects is carried out in one facility up to thickness of 5 to 25 and 7.5 m-long profiles. Differenthanging styles inaccordance withoustomerrequests.

We offer following surface finishes;

Anodised Natural & Colours (Gold, Bronze, Brown, Black) also with Sand effect. Polished Silver & Colours (Gold, Bronze, Brown, Black). Chemically Brightened (Silver, Gold, Bronze) also with Sand effect.





POWDER COATING

According to Qualicoat Norms

Different hanging styles for different customer request and paint up to 8 m-long profiles with a conveyor speed of 4 meters per minute Painting standards RAL colurs or special colors and gloss levels according to different requests

Working with paint suppliers well known in sector

Quality control process at every stage to ensure surface finish $% \left(x\right) =\left(x\right) +\left(







MACHINING ASSEMBLY

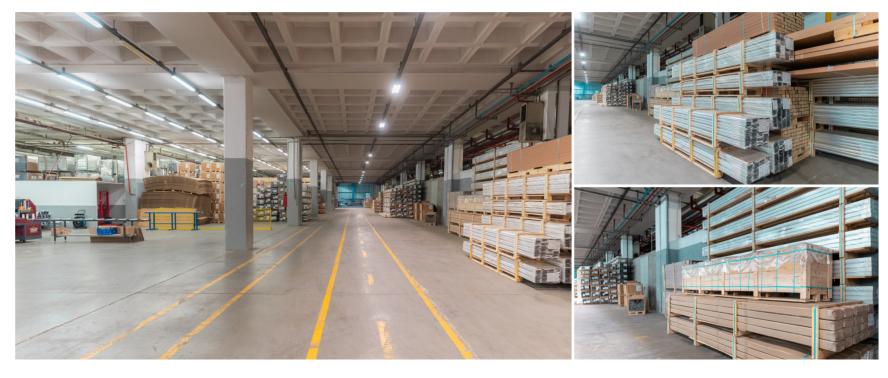
CNC Fabrication

Punch, Taping, Drilling, Countersink drilling, Cut to lenght at 45-90 degrees, Bending, Slicing, Welding, Laser printing, Deburring, Laminating, Insulation Bar Assembly, Adhesive/Protective/ Tape application, Special Project Assembly

No limit for fabricated products, Erdoganlar is capable to invest on machining and working on special Project with engineering team.







ASSEMBLY ADVANCED PACKAGING SOLUTIONS

Erdoganlar offers several packaging types with safe packaging method,

- Serial packaging of profiles in different types and lenghts.
- Packaging in cardboards with custom dimensions.
- Shrink wrapping, plastic hanger, adhesive tape or any plastic accessory assembly.
- Automatic single packaging, special labeling and barcoding.
- Third party equipment assembly on finished products.





 2018
 2019
 2020
 2021
 2022

 14.051
 15.933
 18.133
 20.133
 24.184

2023 -

50.000+
TONNES PER YEAR





USA 29 % NETHERLANDS 8% CANADA 7%

AUSTRIA 2 %

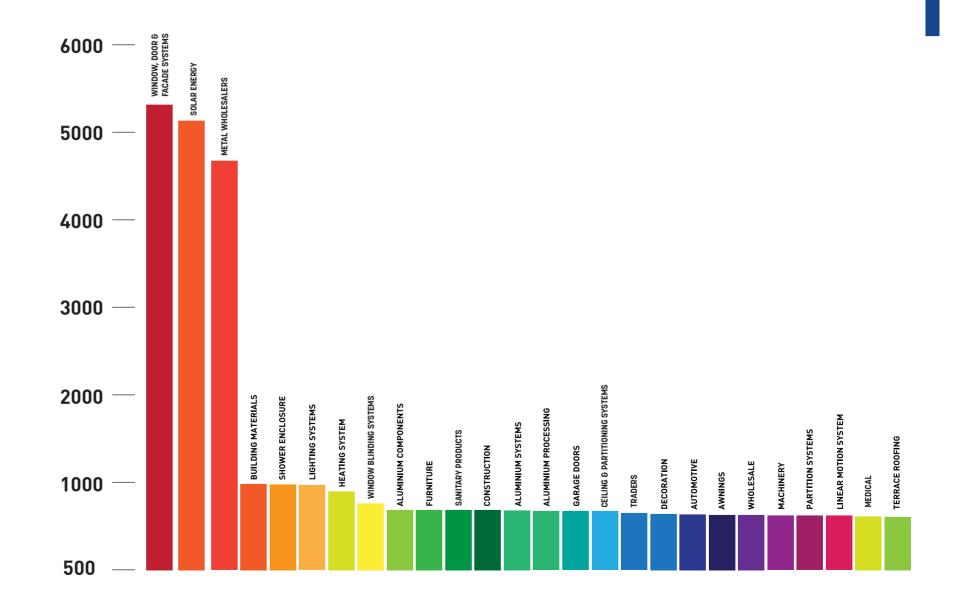
UNITED KINGDOM 5 %

SWEDEN 3%

LUXEMBOURG 1%
OTHER 4%











QUALITY SYSTEMS



OPERATIONAL EXCELLENCE

Inclusive Management Systems for Erdoganlar goals operational excellence and customer satisfaction improve production with quality standards Sustainable Success

- Total Quality Management and Lean Manufacturing
- Customer satisfaction and complaint management
- Supplier management
- Reduce carbon foot print

- Environmentally management
- Control and improve risky areas
- New product development process



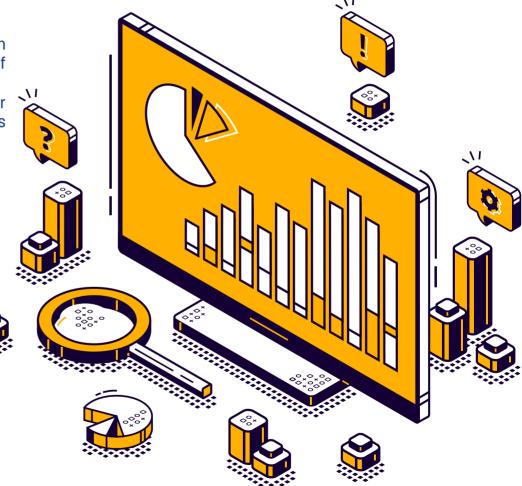




HOW WE OPERATE

Erdoganlar manage all key business operations in an integrated ERP system that facilitate the flow of information between all business functions

We manage our sales, marketing and customer support better with CRM so everyone works towards common goals









Our quality view is not only restricted with the products we manufacture, also it is a part of our corporate identity. Erdoganlar is characterised by the reliability of a family-owned firm oriented towards medium to long term goals.

Certificate of Registration





Quality Management System





Factory Production Control Certificate of Conformity

Customer Satisfaction Management System

S010002





Certificate of Registration



Occupational Healthand Safety System

18045001







QUALANODAnodized Quality
Certificate





OUR QUALITY TARGETS

• Increasing customer satisfaction and confidence.

• Responding to customer request and expectations pectations.

• Ensuring Product Quality and Quality sustainability.

• Increasing the Quality of Employees

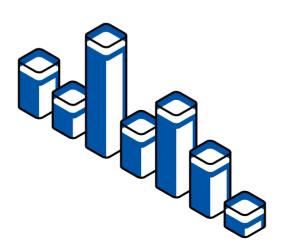
• Applying Modern Quality Technique sand Teamwork

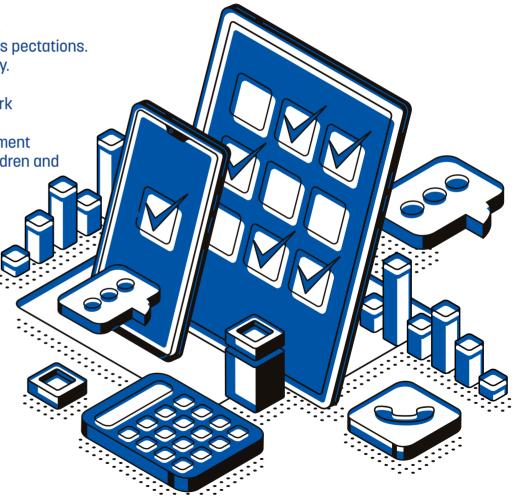
• Increasing internal Customer satisfaction.

• Supporting Supplier Communication and Development

• Social responsibility; ensure the protection of children and

community health.











DOCUMENTATION RECORDS

The basis of the Quality Documentation System; Quality Records and Forms, Quality Plans and Instructions, Procedures and Quality Manual.

We have been operating the quality documentation system for 24years,

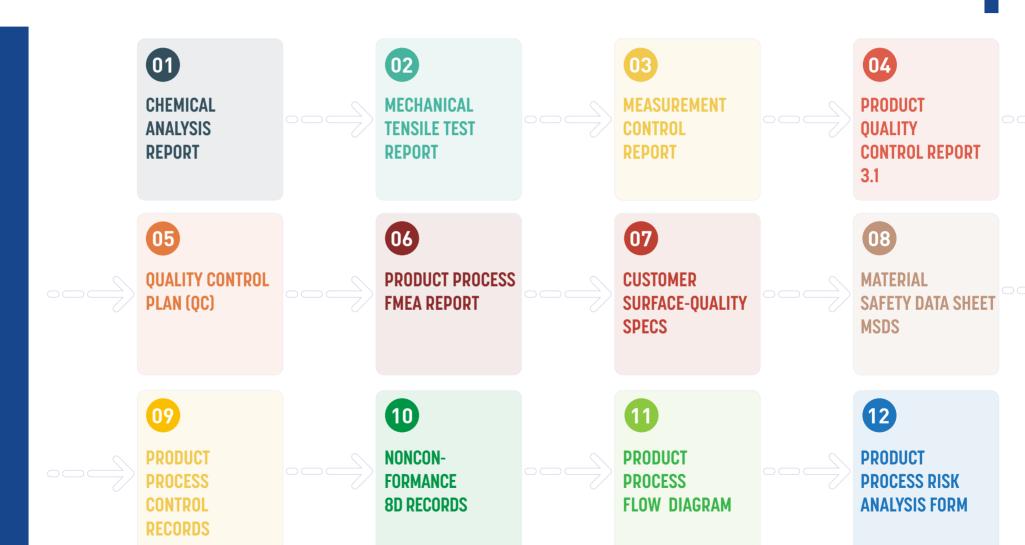
Documentation system is working by the IFS-Erp& system and feedback.







QUALITY REPORTS RECORDS

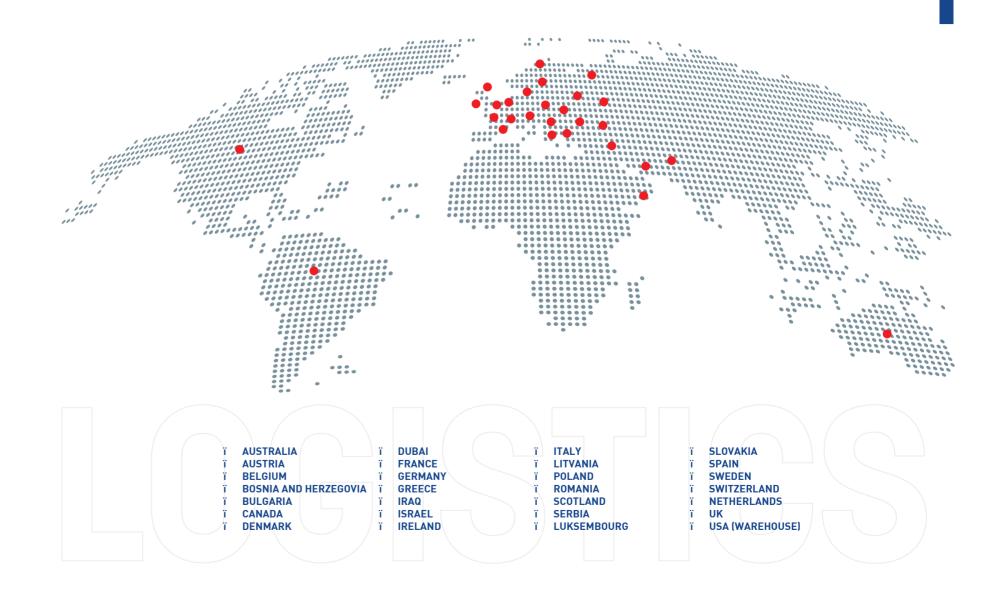




LOGISTICS









AWARDS







Top 500 export in Turkey

Exports success award in Turkey

Third prize export award of aluminium bar rods profiles in tTurkey 2015 Export award of aluminium bar rods profiles in Turkey 2016

Export award of aluminium bar rods profiles in Turkey 2017

Top 5 exporters of aluminium bar rods profiles in Turkey 2021

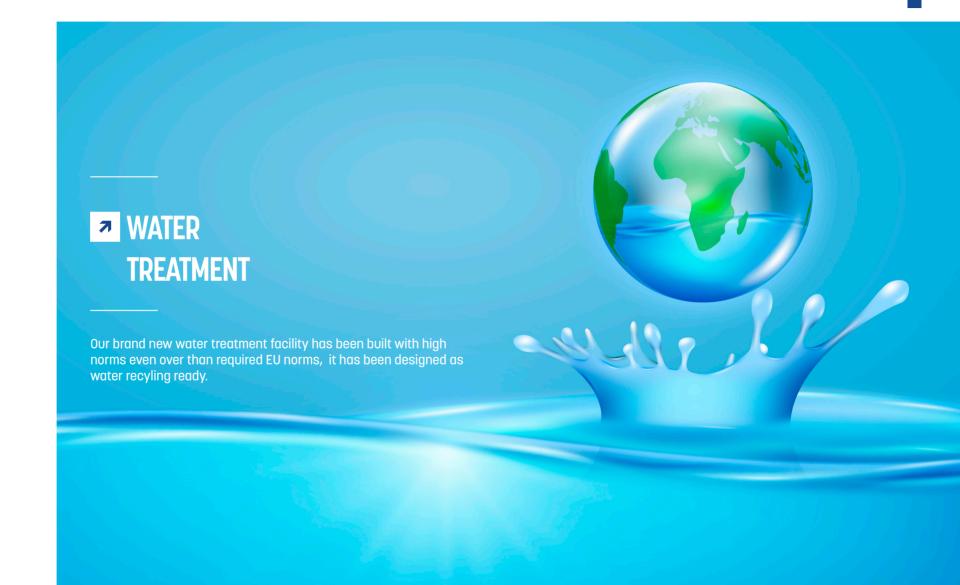


SUSTAINABILITY ENVIRONMENT















We care using daylight for energy efficiency. We use solar panels for interior energy circulation





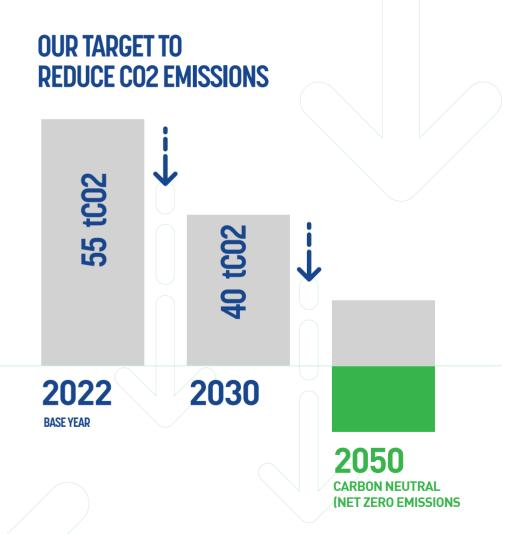




CO2 CARBON FOOTPRINT

Erdoganlar's main target regarding climate change is to reduce CO2 emissions. To achieve carbon neutral operations, we have set a new target by 2030 and plan to allocate \$12 million for investment over the next 7 years.

In addition to saving and recycling energy, we aim to redouble our initiatives to develop and implement new technologies such as carbon recycling technology to recover and reuse CO2 from the production process.











ROOF SOLAR ENERGY PROJECT

By half of 2023, solar energy panels will be installed on a roof area of 30.000 m2 in the Kırklareli factory.

DC installed power of the project is 3200 kWp 70% of monthly electricity consumption will be met from solar energy Annual Prevented Carbon Emission will be 2.500 tons of CO2 The number of trees saved with blocked carbon emissions will be 16.000











ENVIRONMENTAL PERMITS AND REPORTING

Erdoganlar has all official environmental permits in compliance with the local laws an EU regulations.



CHEMICAL MANAGEMENT

Hazardous materials (including waste) are properly classified, labeled, processed, stored and disposed of using government approved / licensed vendors according to local laws



WATER TREATMENT PLAN

Erdoganlar operates its own water treatment plant that fully integrated with its production processes.



WASTE MANAGEMENT PLAN

Erdoganlar has all official environmental permits in compliance with the local laws an EU regulations.





USA OPERATION







USA OPERATION AND WAREHOUSE

ERD Metal INC, located in Westfield, MA is dedicated in import, export, stock and distribution of extured aluminium products. These products are produced mainly for: door, window, facade systems, shower enclosures, flooring, decoration, machinery and that potentially aluminium extrusions are used.

Not only with extrusions but also with more added value like anodizing, powder painting, machining and special packaging offer are in the service are of ERD Metal.



















- COMPLEX SIZE 229,867 SF (Expandable to 360,000 SF)
- SITE SIZE 26.09 Acres (12.79 Acres of Paved Area)







- LOADING DOCKS 23 PLUS 4 RAIL DOORS (Three-Sided Loading)
- **TRAILER PARKING Up to 85 Spaces**





www.erdoganlar.com