



ADVANCED ALUMINIUM SOLUTIONS

WHO WE ARE?

erdoganlar





COMPANY DESCRIPTION

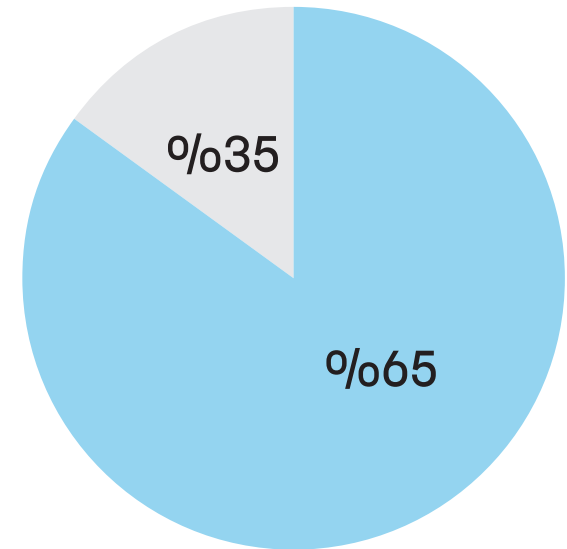
Erdoganlar Aluminium, established in 1987 in Istanbul, is a family-owned company now led by its second generation.

With two production facilities in Turkey (Istanbul - 40,000 m², Kırklareli - 200,000 m²), a warehouse in Boston, Westfield MA providing stocking services, and an ongoing extrusion facility construction in the USA set to be completed by the end of 2025, we continue to expand globally.

With a 40,000-ton annual capacity, 500+ employees, and 30+ years of experience, we are dedicated to providing custom aluminum extrusions, fabrication, packaging, and value-added solutions to meet the diverse needs of our partners worldwide.

NUMBER OF STAFF

500+



 **PRODUCTION**

 **ADMINISTRATION**

1987



ERDOGANLAR
ESTABLISHED

1992



START AN EXPORT
BUSINESS

2001



MACHINING
FACILITY

2003



ERDOGANLAR ACHIEVES
QUALICOAT QUALANOD
CERTIFICATION FROM THE
POWDER COATING PLANT
ANODISING PLANT

2005



BUSINESS
CORPORATION WITH
AKOTHERM GMBH

2010



INTEGRATED
ERP SYSTEM

2015



FULL AUTOMATIC
WASTE EFFLUENTS
PURIFICATION PLANTY

2015



NEW TECHNOLOGY
MULTICELL ANODISING
PLANT

2015



INTRODUCED
WAREHOUSE SERVICE
ERD METAL INC BOSTON
AVON

2016



POWDER COATING
PLANT

2017



INTRODUCED NEW
INVESTMENT QUUP
HEATING SYSTEMS

2017



INTRODUCED
WAREHOUSE SERVICE
ERD METAL CANADA, INC
OTTOWA, CANADA

2021



INVESTMENT OF
AUTOMATED EXTRUSION
LINE WITH 9" PRESS
MACHINE

2022



NEW FACTORY IN
KIRKLARELI, TURKIYE
200.000 M²

2023



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

2024



INVESTMENT OF DIE
CASTING, PLASTIC
INJECTION, AND A NEW
PRODUCTION LINE IN THE
USA.

quup



erd metal
USA



erd metal
CANADA

AKOTHERM[®]
ALUMINIUM-PROFILSYSTEME

Ē V Ē R

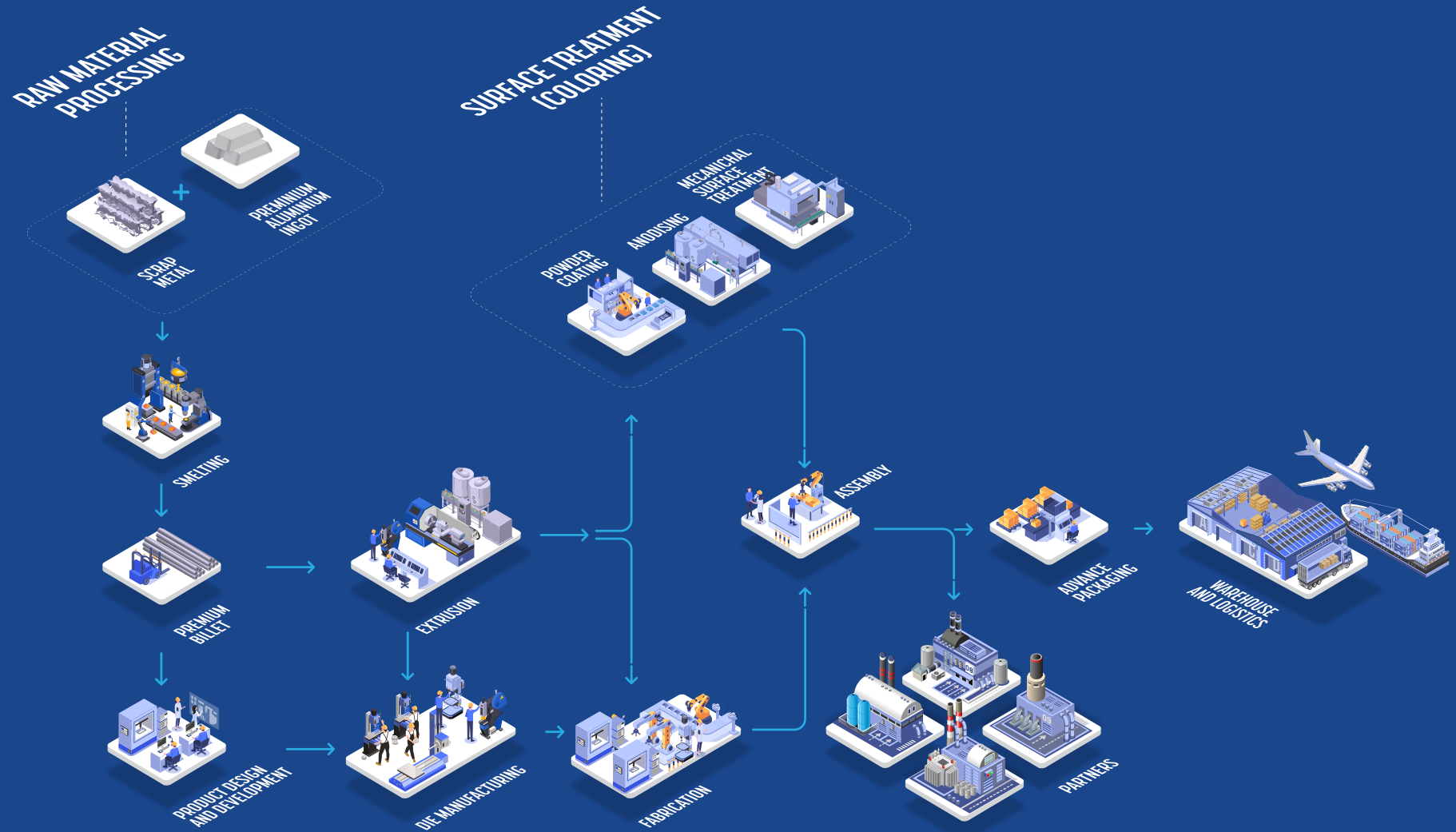


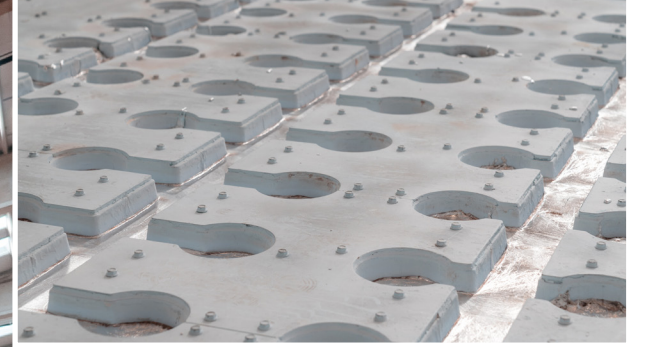
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WHAT WE DO?

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➤ WAGSTAFF BILLET CASTING SYSTEMS

In the second half of 2023, we commissioned a 50,000-ton capacity casting line, with a target of reaching 100,000 tons within two years.

- High-quality billets
- Wagstaff AirSlip AirCasting technology
- Smooth surface finish, minimal bark area, and uniform grain structure meeting global billet quality standards



GREEN BILLET CASTING

Erdoganlar is committed to sustainable production by manufacturing green billets with:

- Low carbon emissions
- Enhanced life cycle environmental performance
- High percentage of recycled materials



DIE MANUFACTURING

High-quality extrusion starts with precision die production and design, a critical step in the process. At Erdoganlar, we continuously innovate by leveraging the latest technological advancements.

- Die manufacturing & correction for maximum flexibility
- Collaboration with international partners for innovation & technology updates
- High-precision dies produced with advanced CAD/CAM programs
- Sourcing options: In-house, local, and international suppliers
- Flexible delivery terms and rapid modifications upon customer requests
- Experienced technical team ensuring optimal performance



EXTRUSION

Our extrusion presses are fully modernized and operate with the latest automation technologies to ensure efficiency and precision.

- 5 aging ovens for flexible hardness adjustments
- 4 extrusion lines
- Current extrusion lines:
 - 9" Presezzi (Italy)
 - 7" SMS INNSE (Italy)
 - 5" Mei Ruey (Taiwan)
 - 7" Presezzi (Italy)

Future investments: 2 additional 9" and 2 additional 7" extrusion lines at the Kırklareli facility

New extrusion line operates with only 3 personnel through advanced integration & automation

3400 TONNES
PREZEZZI ITALY
229 MM (9")

1950 TONNES
PREZEZZI ITALY
178 MM (7")

1900 TONNES
SMS INNSE ITALY
178 MM (7")

1350 TONNES
MEI RUEY TAIWAN
127 MM (5")



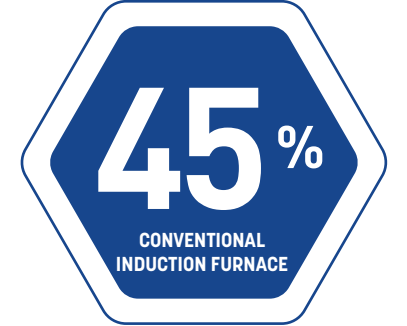
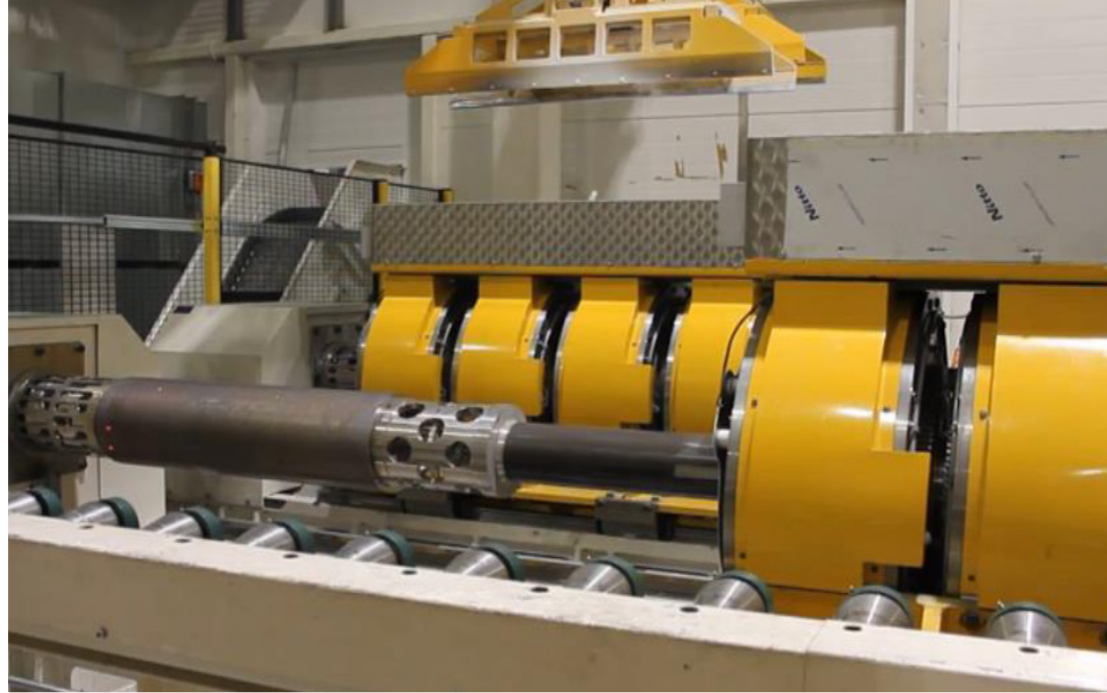
Isothermal
extrusion
program and speed
control system which
prevents colour
differences after
anodising.

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

Die polishing
machines to avoid
extrusion lines on high
gloss products.

5 aging ovens
which can provide us
flexibility for different
hardnesses.

Stable extrusion
process to ensure
high visual quality after
surface treatment



➤ **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



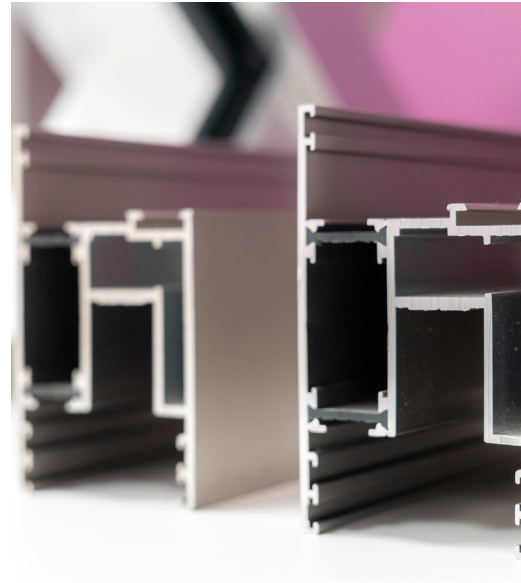
➤ **HIGH EFFICIENCY COOLING SYSTEMS**

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.



**IMPROVED
DIE LIFE**



**BETTER SURFACE
QUALITY**



BETTER STRENGTH



ANODIZING LINES

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

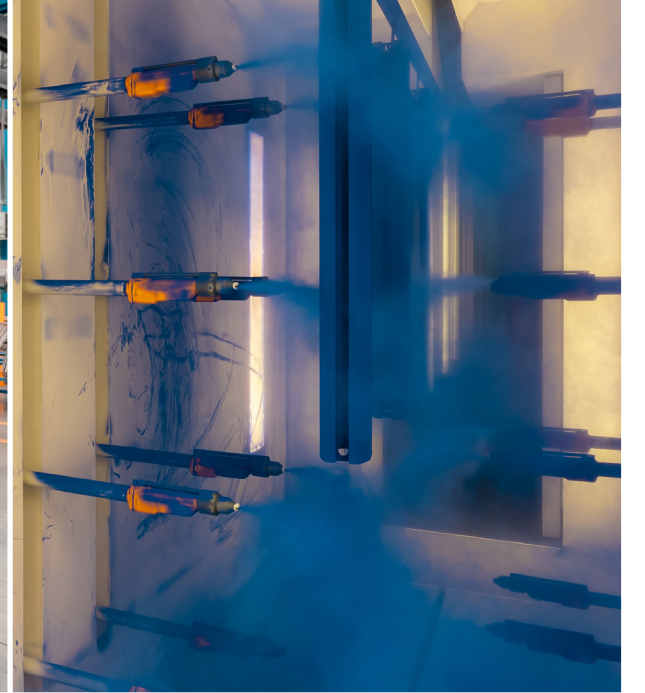
Anodization with a wide range of colors and surface effects is carried out in one facility up to thickness of 5 to 25 and 7.5 m-long profiles.

Different hanging styles in accordance with customer requests.

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

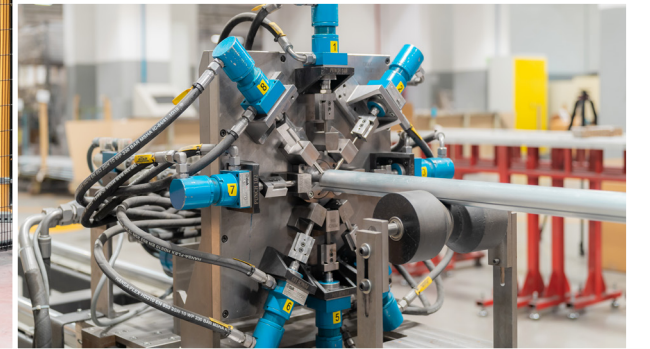
According to Qualicoat Norms

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 colours 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



MACHINING AND 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.

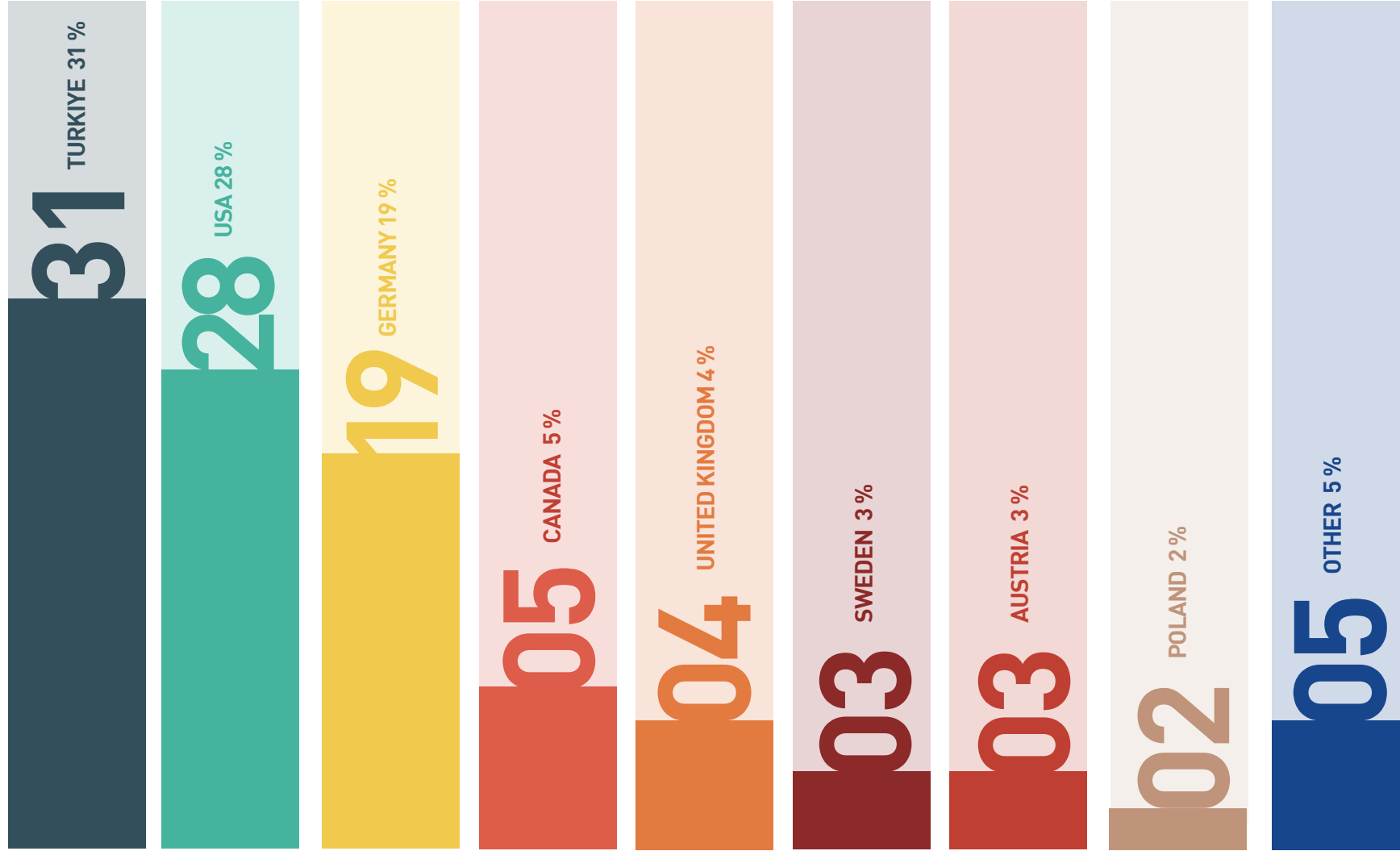


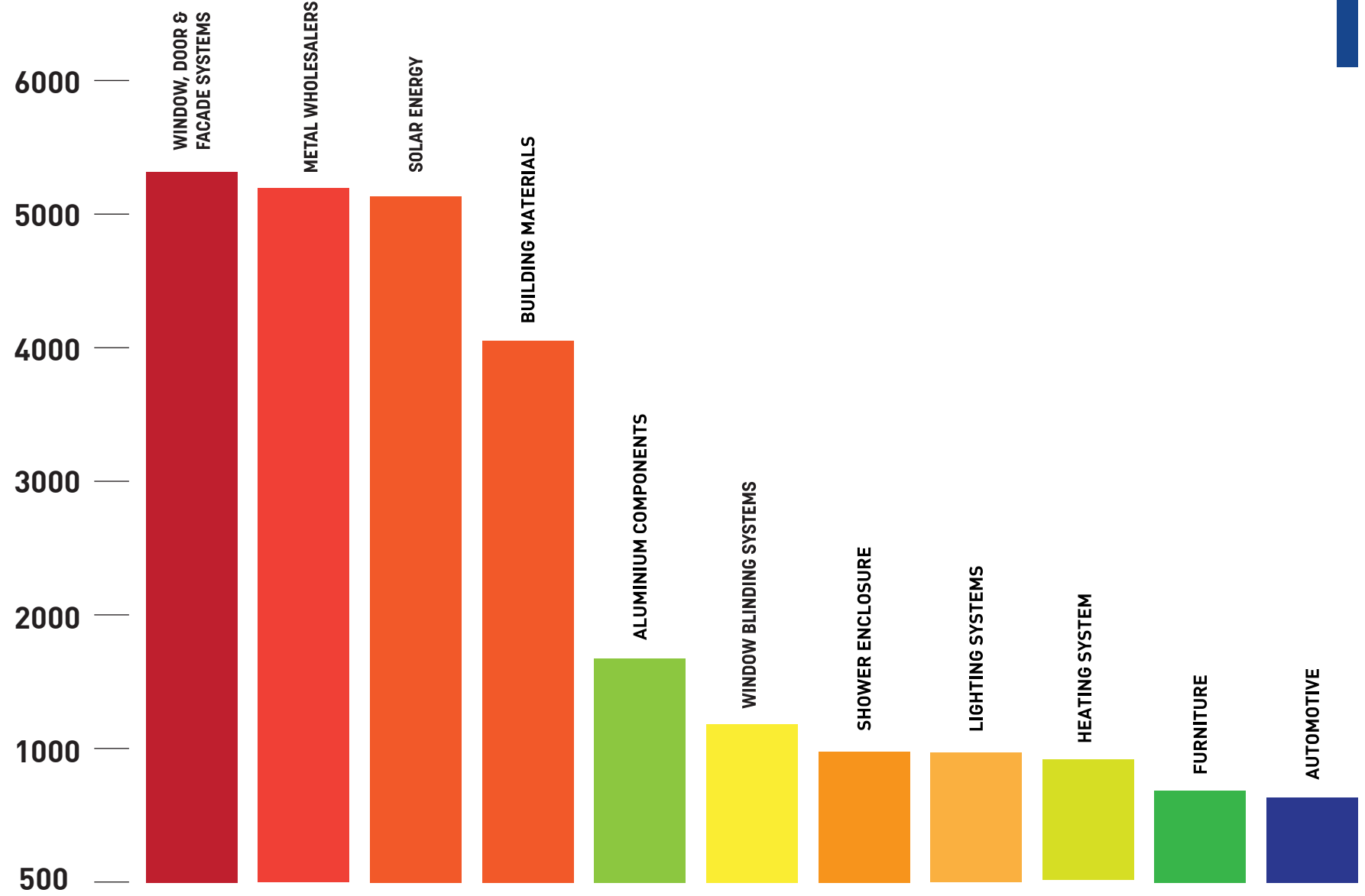
ASSEMBLY AND ADVANCED PACKAGING SOLUTIONS

Erdoganlar offers several packaging types with safe packaging method,

- Serial packaging of profiles in different types and lengths.
- 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.

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QUALITY SYSTEMS

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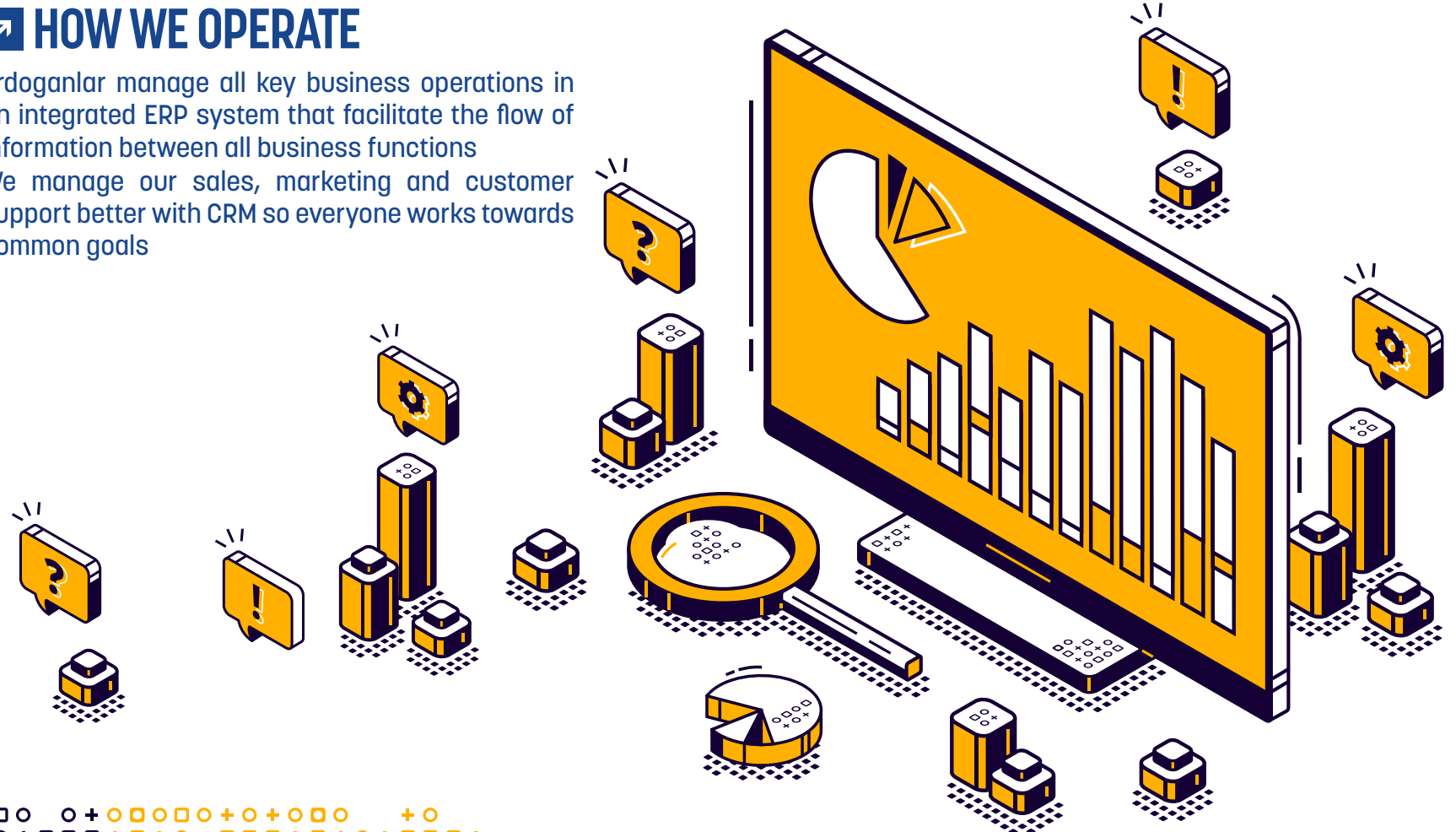
OPERATIONAL EXCELLENCE

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



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QUALITY

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.



ISO9001
Quality Management
System



ISO10002
Customer Satisfaction
Management System



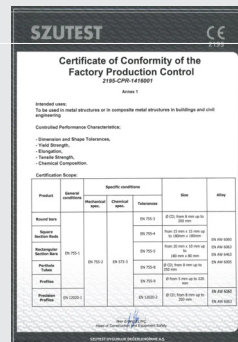
ISO45001
Occupational Health and
Safety System



ISO14001
Environmental
Management System



ISO50001
Energy Management
System



CE2195
Factory Production Control
Certificate of Conformity



QUALICOAT
Electrostatic Powder
Coating Quality Certificate

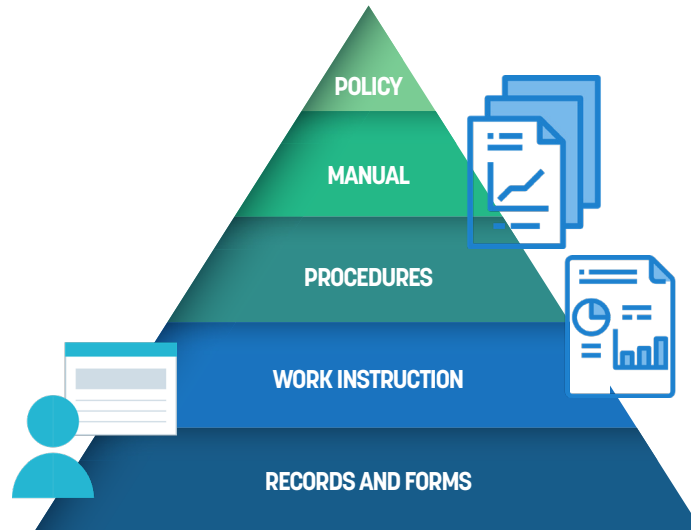


QUALANOD
Anodized Quality
Certificate

DOCUMENTATION RECORDS

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

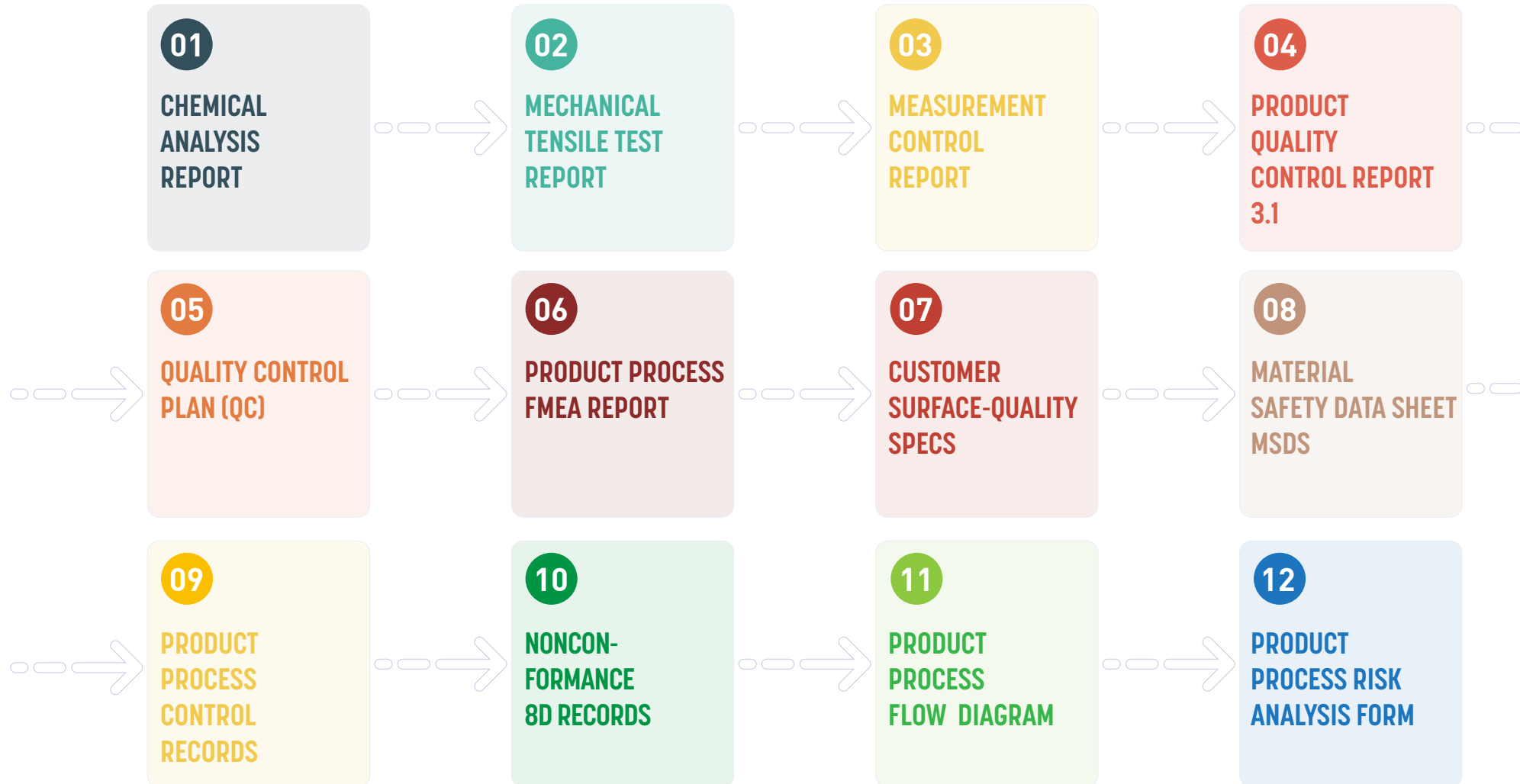
We have been operating the quality documentation system for 24 years.



OUR QUALITY TARGETS

- Increasing customer satisfaction and confidence.
- Responding to customer request and expectations.
- Ensuring Product Quality and Quality sustainability.
- Increasing the Quality of Employees
- Applying Modern Quality Technique and Teamwork
- Increasing internal Customer satisfaction.
- Supporting Supplier Communication and Development
- Social responsibility; ensure the protection of children and community health.





LOGISTICS

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İ AUSTRALIA
İ AUSTRIA
İ BELGIUM
İ BOSNIA AND HERZEGOVIA
İ BULGARIA
İ CANADA
İ DENMARK

İ DUBAI
İ FRANCE
İ GERMANY
İ GREECE
İ IRAQ
İ ISRAEL
İ IRELAND

İ ITALY
İ LITVANIA
İ POLAND
İ ROMANIA
İ SCOTLAND
İ SERBIA
İ LUKSEMBOURG

İ SLOVAKIA
İ SPAIN
İ SWEDEN
İ SWITZERLAND
İ NETHERLANDS
İ UK
İ USA (WAREHOUSE)

SUSTAINABILITY ENVIRONMENT

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WATER TREATMENT

Our brand new water treatment facility has been built with high norms even over than required EU norms, it has been designed as water recycling ready.

ENERGY SAVING

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

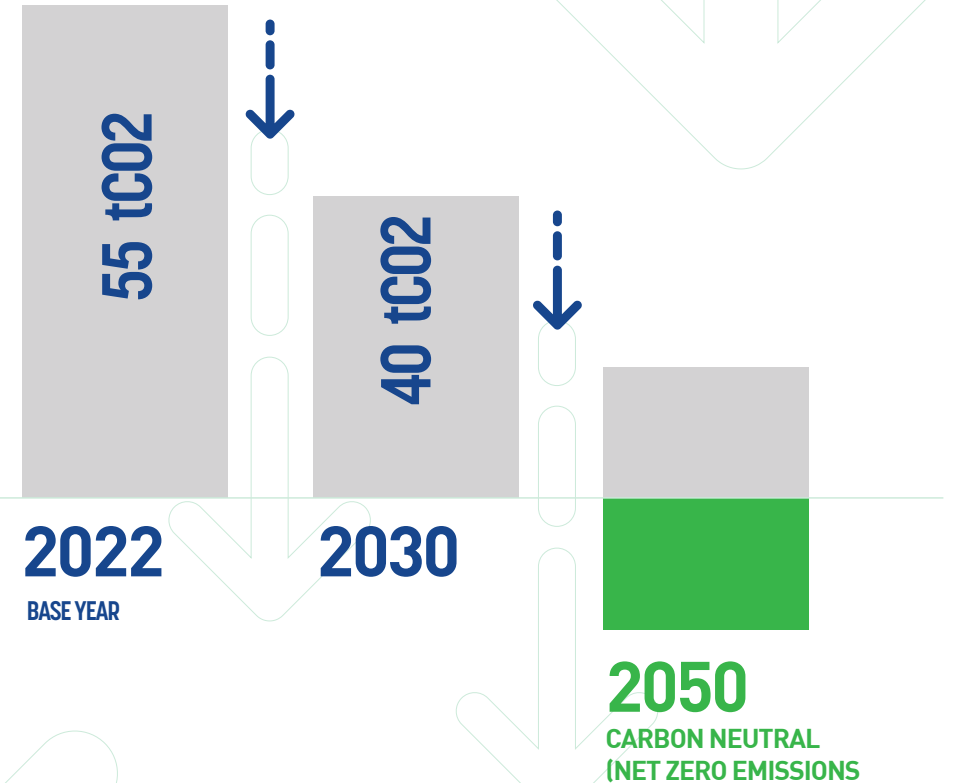


CO2 CARBON FOOTPRINT

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.

OUR TARGET TO REDUCE CO2 EMISSIONS





ROOF SOLAR ENERGY PROJECT

As of half of 2023, solar energy panels were installed on a 30,000 m2 roof area in the Kirkclareli 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 PRACTICES



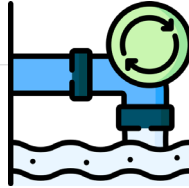
ENVIRONMENTAL PERMITS AND REPORTING

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

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USA OPERATION AND WAREHOUSE

Located in Westfield, MA, ERD Metal Inc. specializes in the import, export, stocking, and distribution of extruded aluminum products.

- Ongoing construction of a new extrusion plant to expand production capabilities
- Serving industries such as doors, windows, facade systems, shower enclosures, flooring, decoration, and machinery
- Offering value-added services including anodizing, powder coating, machining, and specialized packaging to meet diverse customer needs



- **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

