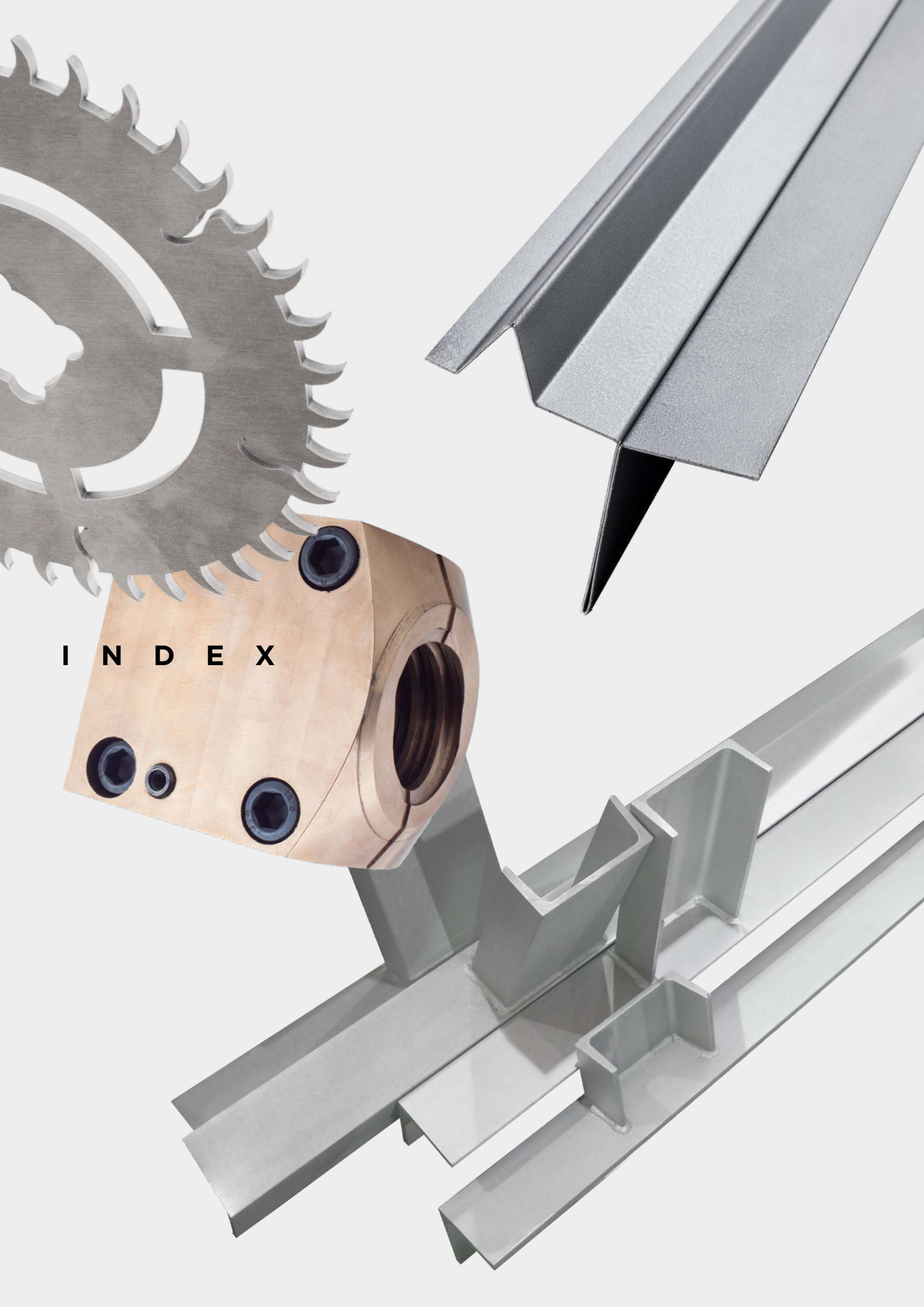




I N D U S T R Y

STEEL CONSTRUCTION • PRECISION MECHANICS
LASER CUTTING • CUTTING AND BENDING





I N D E X

| | |
|----------------------------|-----------|
| O FELIZ Group | 04 |
| Presentation | 05 |
| Steel Construction | 06 |
| Presentation | 07 |
| Characteristics | 09 |
| Projects | 10 |
| Precision Mechanics | 12 |
| Presentation | 13 |
| Characteristics | 15 |
| Projects | 16 |
| Laser Cutting | 18 |
| Présentation | 19 |
| Characteristics | 21 |
| Projects | 22 |
| Cutting and Bending | 24 |
| Presentation | 25 |
| Characteristics | 27 |
| Projects | 28 |

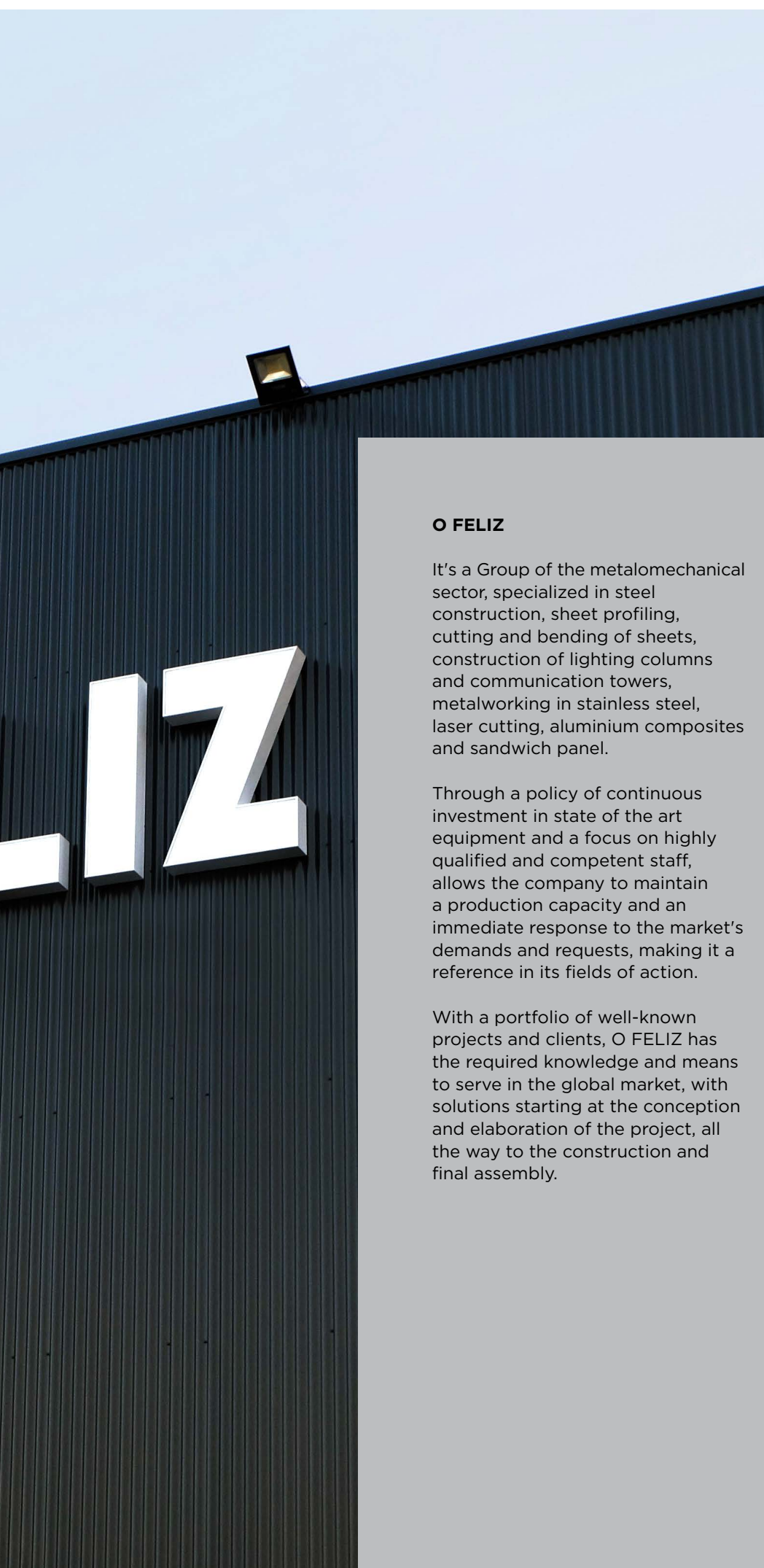
O F E L I Z

G R O U P



O

F E L



O FELIZ

It's a Group of the metalomechanical sector, specialized in steel construction, sheet profiling, cutting and bending of sheets, construction of lighting columns and communication towers, metalworking in stainless steel, laser cutting, aluminium composites and sandwich panel.

Through a policy of continuous investment in state of the art equipment and a focus on highly qualified and competent staff, allows the company to maintain a production capacity and an immediate response to the market's demands and requests, making it a reference in its fields of action.

With a portfolio of well-known projects and clients, O FELIZ has the required knowledge and means to serve in the global market, with solutions starting at the conception and elaboration of the project, all the way to the construction and final assembly.

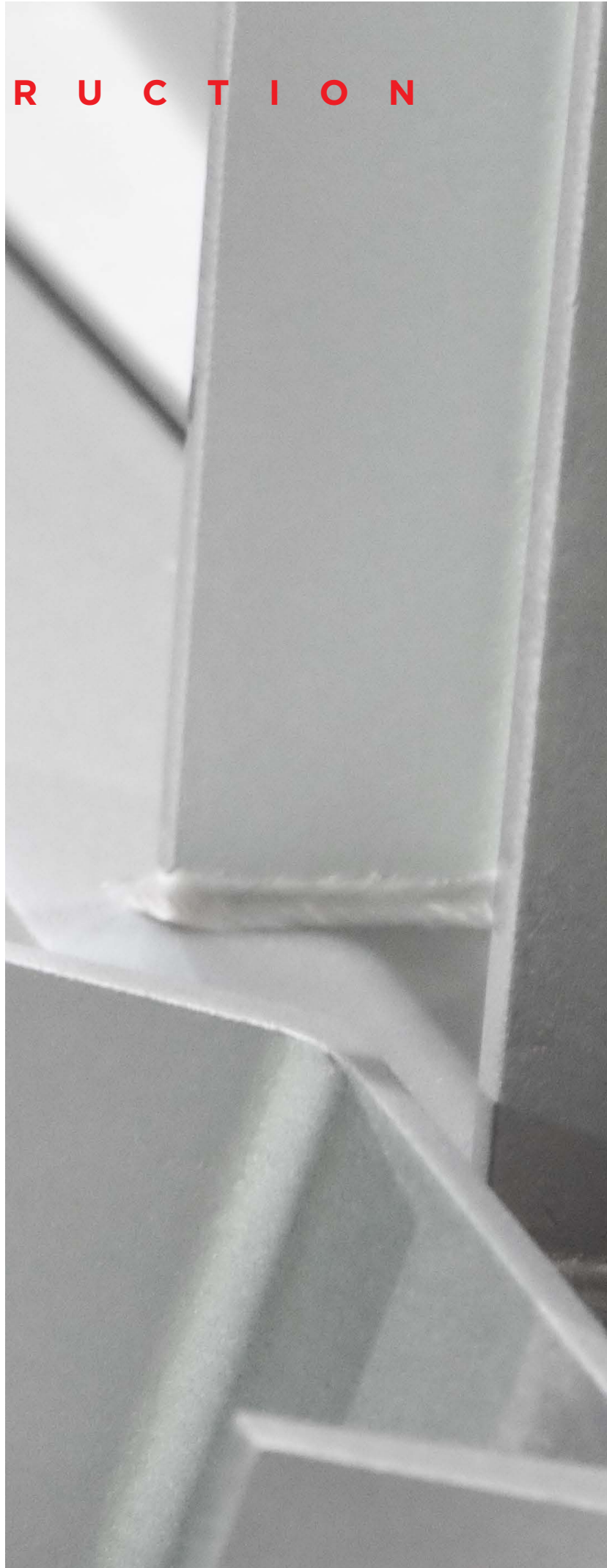
Giving the privilege to efficiency of processes and a strong market orientation, O FELIZ has managed to assert itself in a unique way in a highly competitive sector, winning customers' trust through the quality of the product and responsiveness to carry out projects in required deadlines.

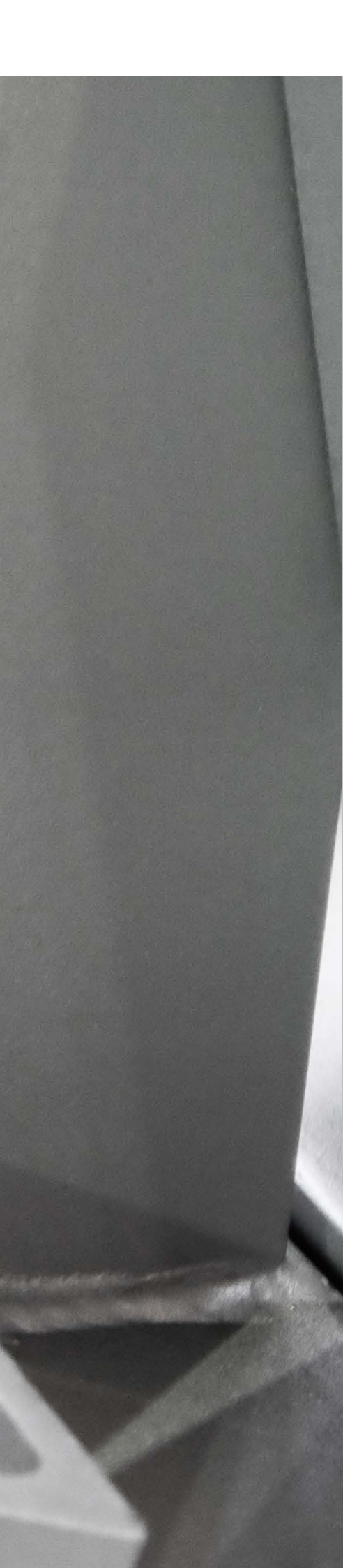
With a strategy of growth through internationalization, our company exports to several countries, with offices in Mozambique and Algeria, in addition to a plant in Angola with productive capacity, offering solutions able to respond to market demands.

S T E E L

C O N S T R U C T I O N

Thermal Cutting
Cold Cutting
Bending
Stripping/Painting
Profile Cutting
Welding

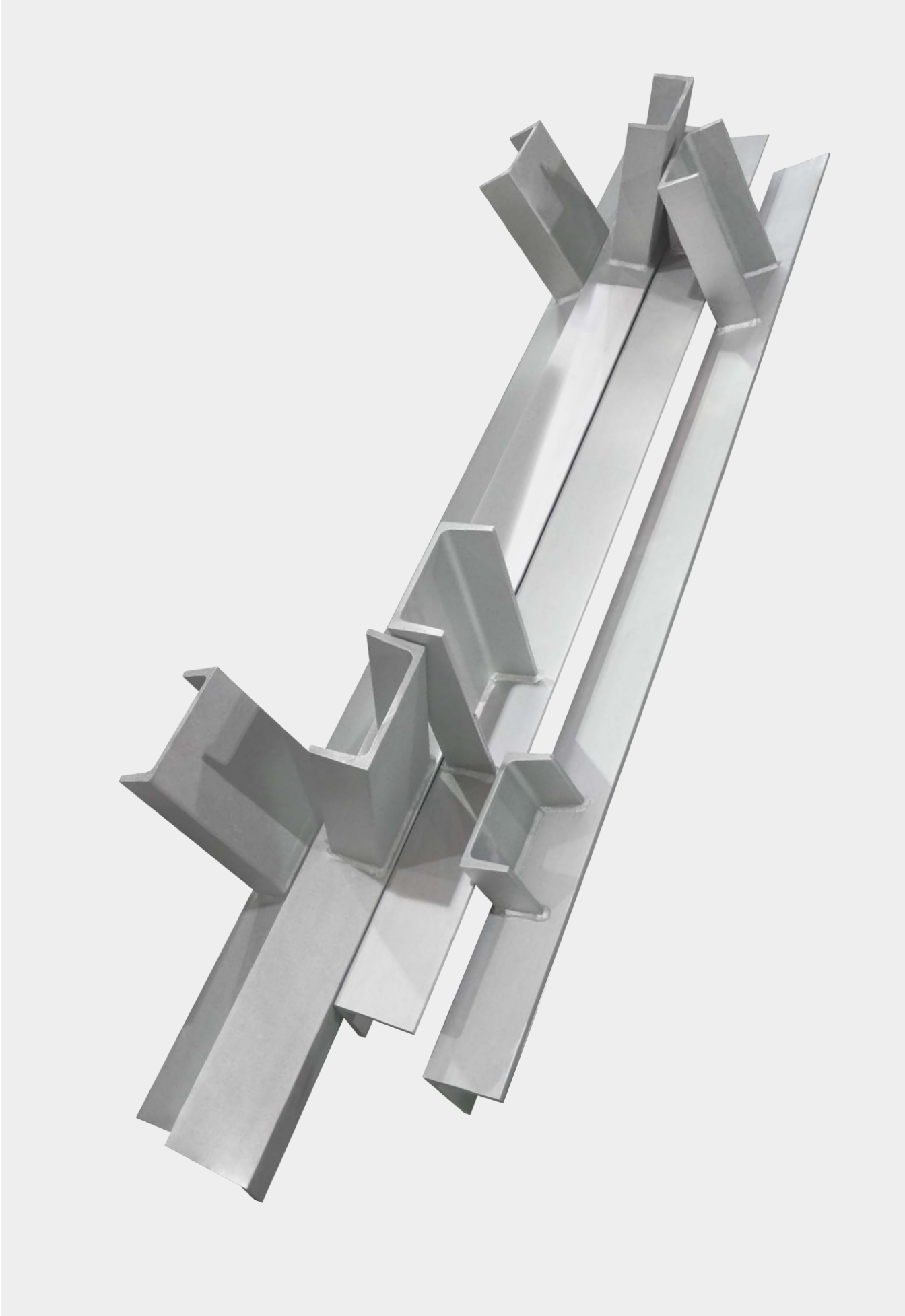




O FELIZ is a specialist in developing, manufacturing and assembling of steel structures.

Covering all stages of the procedure, from the design to the manufacture and final assembly, we highlight the ability to, through the department of engineering and development, offer alternative projects and solutions capable of fulfilling the partners and clients expectations, while maintaining the strictest and most demanding quality standards and deadlines.

In a market with growing competition, our focus is still on the efficiency of the procedures and the qualification and appreciation of the human resources, along with the constant technological updates, which allows us to face in a competitive manner the industry demands and the growing challenges in engineering and architecture.



Resources and Capacity

Thermal Cutting Procedures*

- Laser
- Oxycutting
- Plasma

**Thermal cutting procedure validated in accordance with the Geometric specifications and dimensional tolerances of ISO 9013.*

Cold Cutting Procedure

- Shear

Bending

Stripping/Painting

- Automatic stripping at grade Sa2 ½

Profile Cutting

- Automatic cutting via CNC with capability of 1200 mm
- Automatic drilling in 3 axles (diameter 8 to 40 mm)
- Automatic marker

Welding

- Manual process 138, 136, 111, 141
- Automated process 121
- Welding consumables warehouse with controlled humidity and temperature

Certifications

- Certification in accordance with: EN 1090 – EXC4

Main implemented standards

- Welding process in accordance with: EN 3834-2
- Welding procedures: EN 15614-1, EN 14555
- Welders qualification: EN 287-1, EN ISO 9606-1
- Superficial treatment process in accordance with: EN 12944
- Hot dip galvanising process: EN 1461

Materials

- Carbon steel
- Stainless steel

Additional Services

- Milling
- Flat and angled rectification
- Boring
- Turning
- Radial drilling
- Cylindrical rectification

Power Transformer

Location: Angola

Client: EFACEC

Weight: 55 t

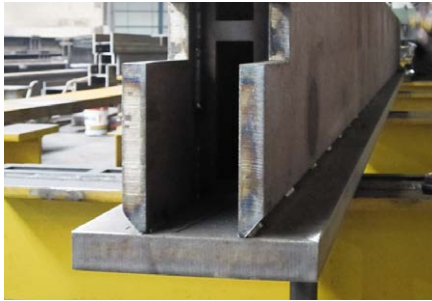
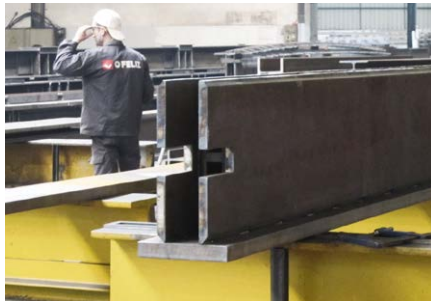


Glass Oven

Location: Colombia

Client: SIMI

Weight: 1100 t

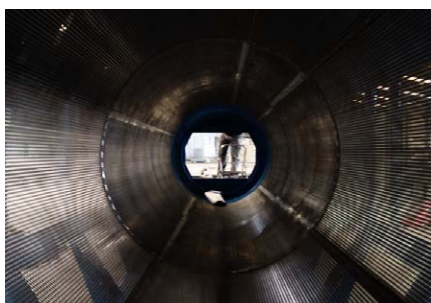
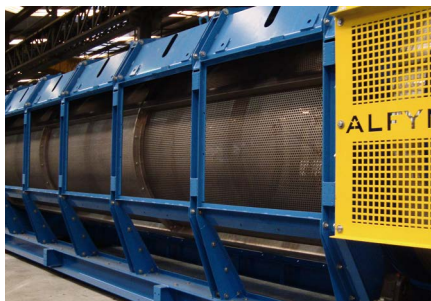


Drum for Waste Separation

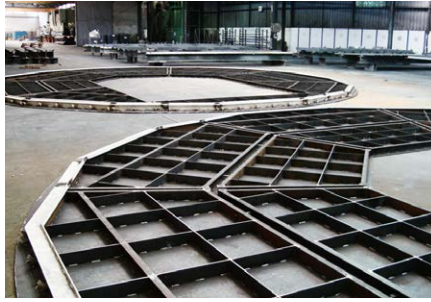
Location: France

Client: ALFYMA

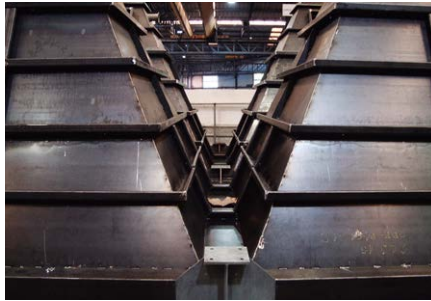
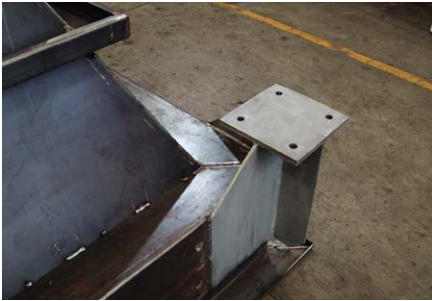
Weight: 35 t



Venda Nova Dam
Location: Portugal
Client: Voith
Weight: 40 t



Air Filter for Central Electric
Location: Northern Ireland
Client: REDECAM
Weight: 100 t



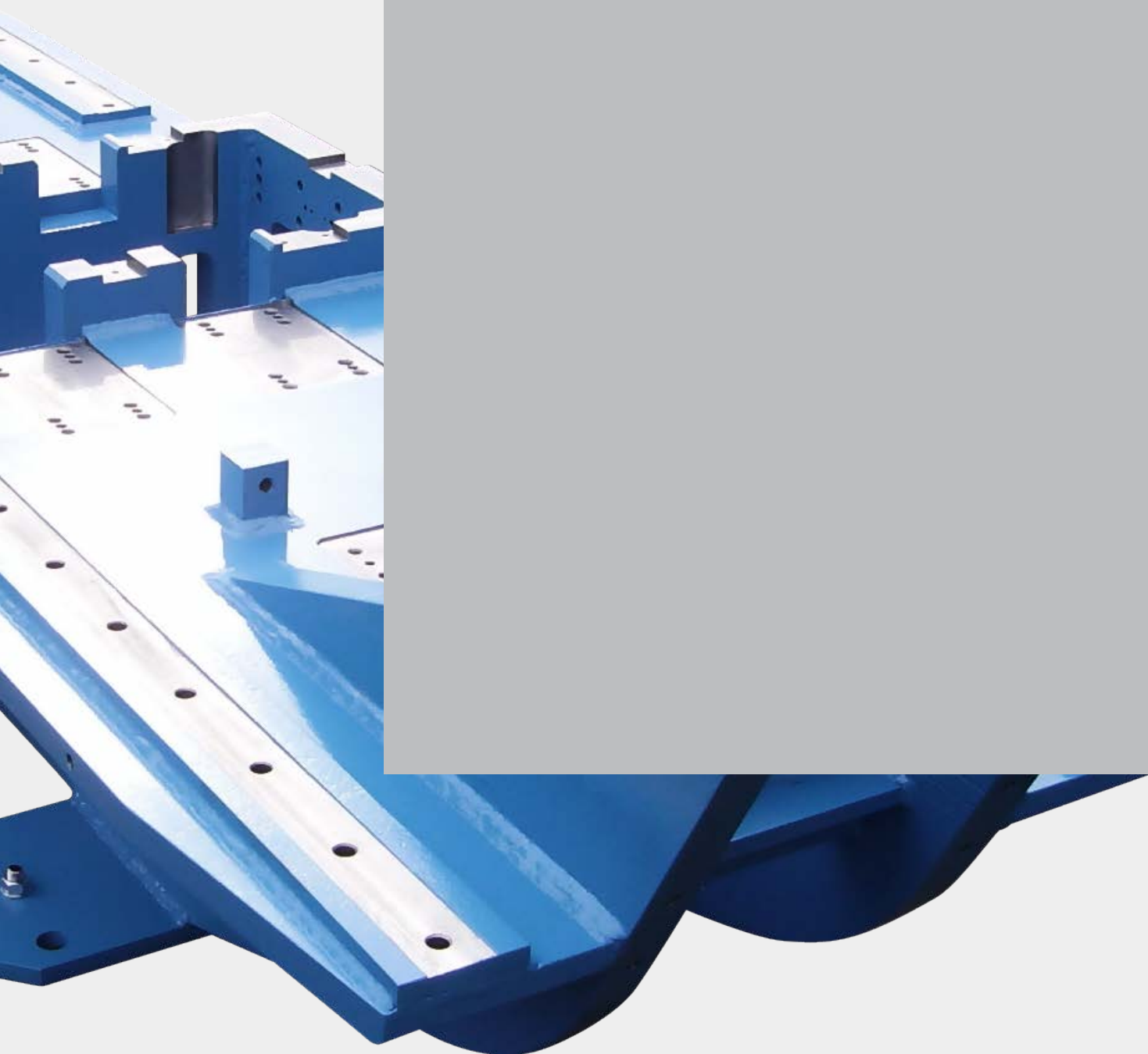
Oruro Cement Plant
Location: Bolivia
Client: Sacyr
Weight: 650 t



P R E C I S I O N M E C H A N I C S

Machining
Milling
Boring
Rectification
Turning
Drilling
Mechanical Welding
Assembly
Laser Cutting
Oxycutting
Plasma
Mechanical Cutting
Bending





For the industrial market, O FELIZ is dedicated to the manufacture and machining of components and mechanical structures for industrial machines and equipment according to the customer's projects.

The combination of technology and know-how available allows us to produce simple parts up to large complex mechanically welded structures with precision machining and also component repair and industrial maintenance.

We always work in coordination with the client in order to find more suitable technical solutions. Currently our customers belong to several business sectors such as machine manufacturing, automotive, renewable energy, textile, foundry, handling equipment, agricultural and special machines.



Resources and Capacity**Machining Services**

- Milling up to 10000 × 2500 × 1500 mm
- Flat and angled rectification up to 6000 × 1600 mm
- Boring up to 1700 × 1700 × 1800 mm
- Turning up to 3000 mm between points and diameter up to 1200 mm
- Radial drilling
- Cylindrical rectification

Manual rectification and adjustment of machine geometry**Welded construction of large dimension structures**

Materials

- All types of steel (construction, special steel, stainless steel, etc.)
- Cast iron, bronze, aluminium and technical plastics

Additional Services

- Laser Cutting
- Oxycutting
- Plasma
- Mechanical Cutting
- Bending

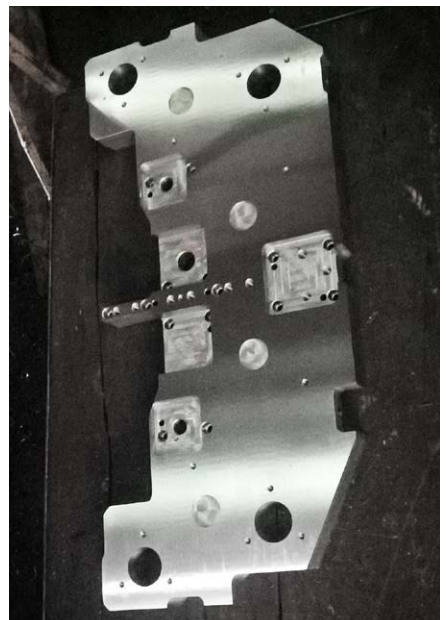
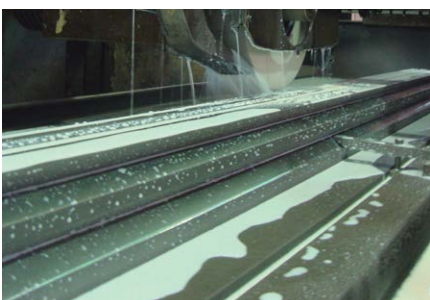
Milling



Boring



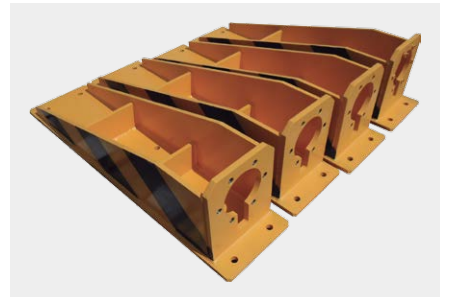
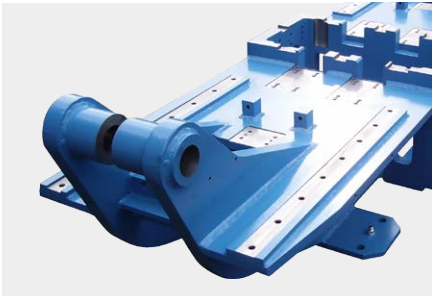
Rectification



Turning



Mechanical Welding



Custom projects



L A S E R C U T T I N G

Laser Cutting
Oxycutting
Plasma Cutting
Bending





This Business Unit was created in 2010 as an entry into the latest technology in sheet CNC cutting and had the purpose of improving internally the installed services and processes, as well as externally supporting the different consumption areas of the market.

Focusing on the improvement of manufacturing and quality processes, this area currently includes the services of laser cutting, oxycutting, plasma and CNC bending services.



Resources and Capacity

Laser Cutting

Maximum cutting area: 4000 × 2000 mm

Maximum cutting thickness:

- Carbon steel: 25 mm
- Stainless steel: 25 mm
- Aluminium: 15 mm

Oxycutting

Maximum cutting area: 14000 × 3000 mm

Carbon steel cutting with a thickness up to 160 mm*

**Cutting a higher thickness requires previous consultation.*

Plasma Cutting

Maximum cutting area: 14000 × 3000 mm

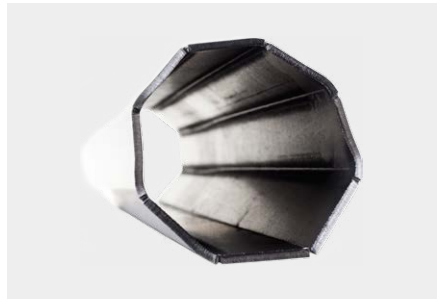
Carbon steel cutting up to 12 mm and stainless steel up to 5 mm

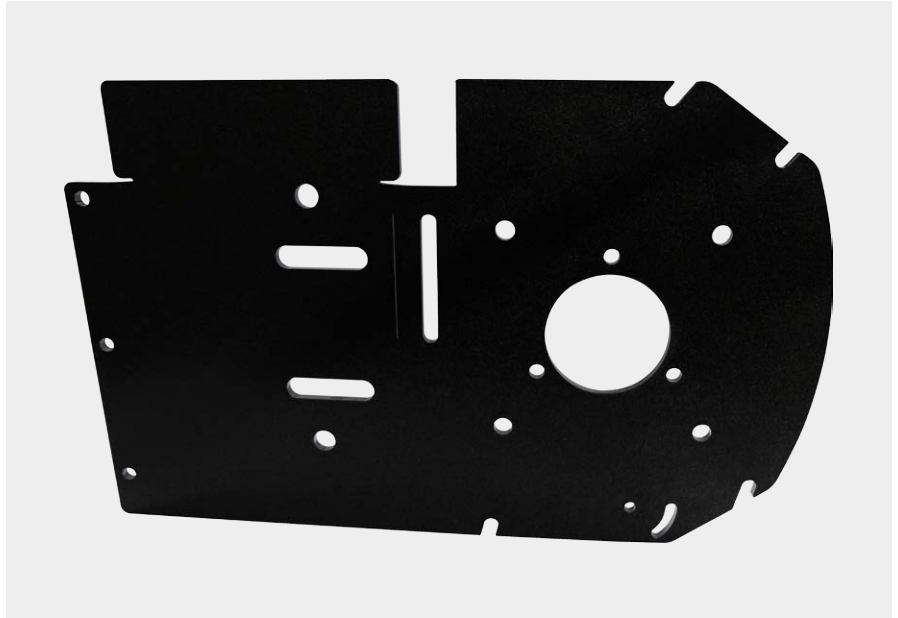
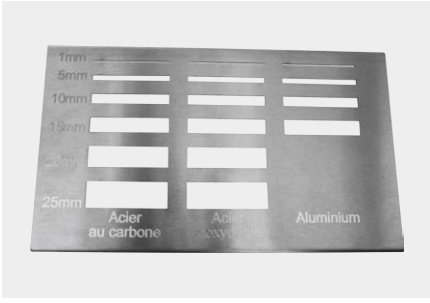
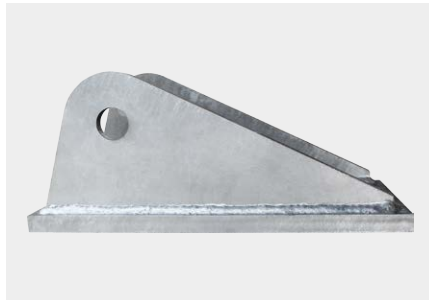
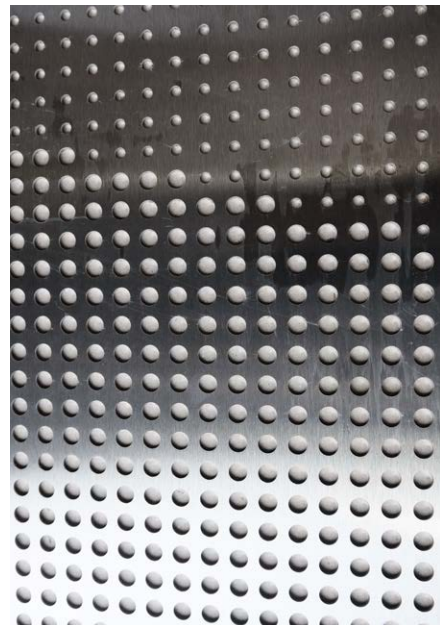
Materials

- Carbon steel
- Stainless steel
- Aluminium

Additional Services

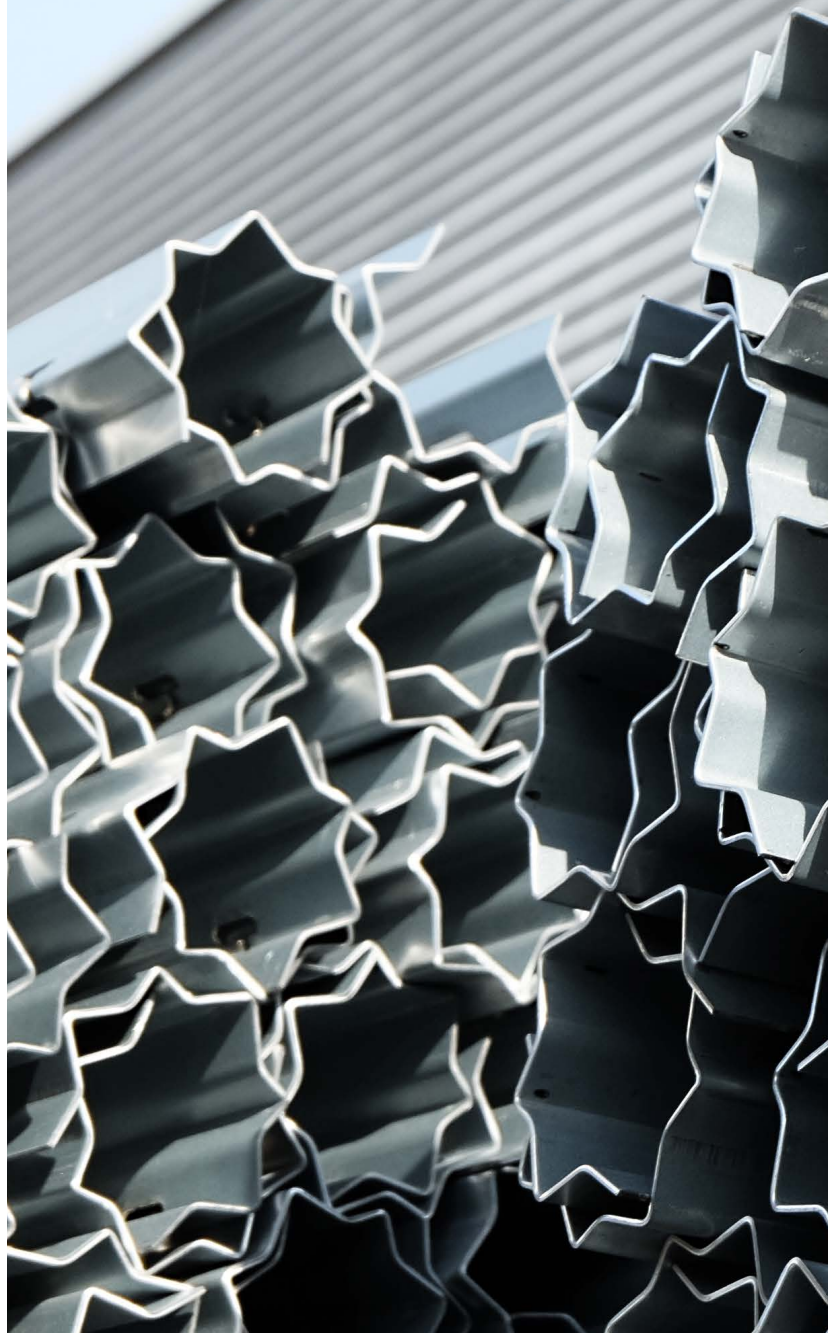
Bending up to a length of 14100 mm and 450 tons of pressure.





C U T T I N G
A N D
B E N D I N G

Mechanical Cutting
Bending
Laser Cutting
Oxycutting
Plasma
Turning
Drilling
Calendering
Welding





O FELIZ performs cutting and bending services in different angles, thicknesses and dimensions in every type of steel sheet (lacquered, zinc, zincor (electro-zinc coated), corten, magnelis, hot-rolled, pure zinc, copper, stainless steel or perforated).

We have a wide range of guillotines and metal forming machines, which enables the construction of parts with different dimensions and complexity.

Cutting and Bending



Resources and Capacity

Mechanical Cutting

Maximum cutting thickness: 20 mm

Bending

Maximum bending thickness: 16 mm

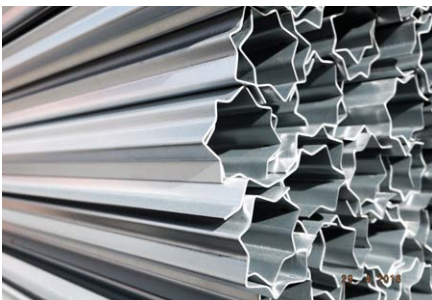
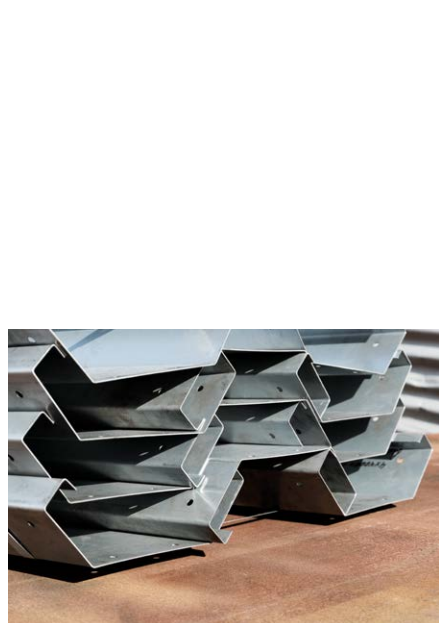
Maximum bending length: 14100 mm

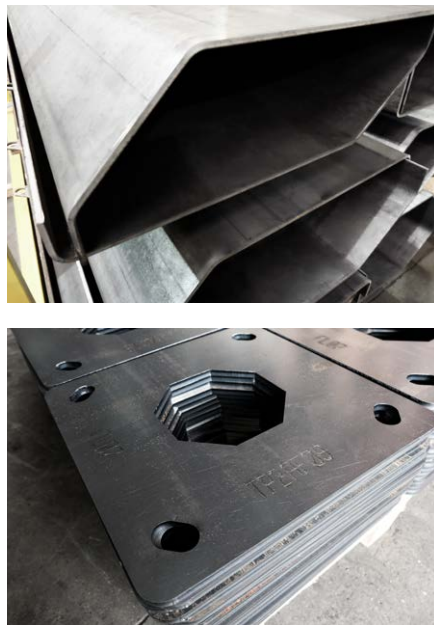
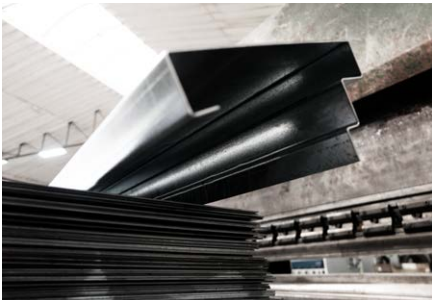
Materials

- Carbon Steel
- Stainless Steel
- Pure Zinc
- Copper

Additional Services

- Laser Cutting
- Oxycutting
- Plasma
- Turning
- Drilling
- Calendering
- Welding







Headquarters

Av. de São Lourenço, N.º 41
4705-444 Celeirós, Braga
Portugal

T +351 253 305 600

info@ofeliz.com
ofeliz.com

