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# Steel Construction



# Steel Construction

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.

## Main Equipment

Machine	Manufacturer	Model
Cutting Machine	Vernet Behringer	FP1215
Submerged Arc	Air Liquid	MFH 50.4
Submerged Arc	ESAB	LAF 1000DC
Stripping Machine	George Fisher	WRL-8/1633
Welding Equipment	Several	Several

# 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 40mm)
- 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 – EXC3

## 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  
Luanda, Angola

Year  
2013

Client  
EFACEC

Weight  
55 t



# Glass Furnace

Location  
Colombia

Year  
2013

Client  
SIMI

Weight  
1100 t



# Waste Separation Equipment

Location  
France

Year  
2013

Client  
ALFYMA

Weight  
35 t



# Venda Nova Dam

Location  
Vieira do Minho, Portugal

Year  
2014

Client  
VOITH GmbH

Weight  
35 t



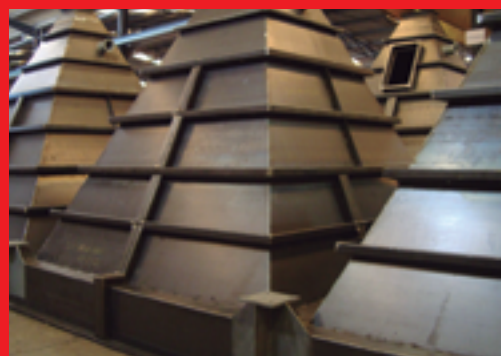
# Air Filter for Electric Power Plant

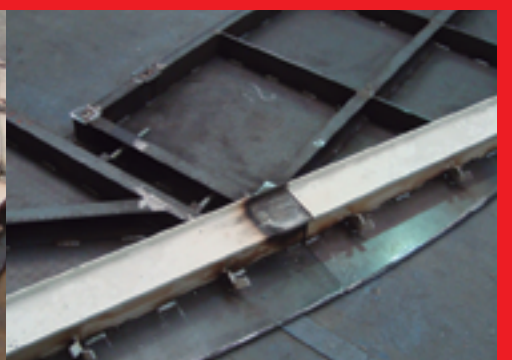
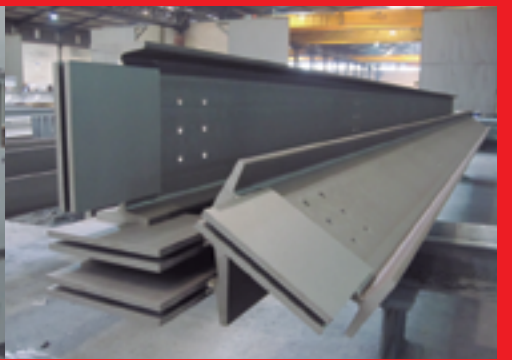
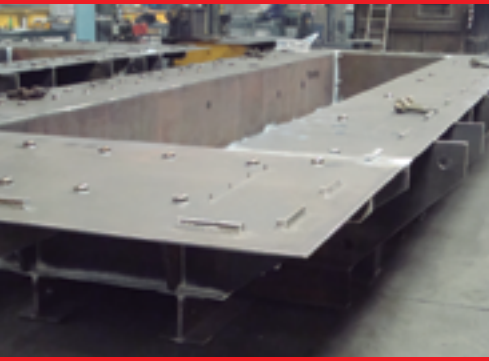
Location  
Londonderry, Northern Ireland

Year  
2014

Client  
REDECAM

Weight  
100 t





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