

grupo **FAED**

## TABLE OF CONTENTS

• HISTORY	2-3
• INTERNATIONAL PRESENCE	4-5
• DIVISIONS	
• FAED FOUNDRY	6-9
• EUROFUCAN	10-13
• MECAPREC PRECISION MACHINING	14-17
• METCOEX	18-21
• SECTORS	21-23
• CERTIFICATIONS	24
• CORPORATE SOCIAL RESPONSIBILITY	25

"We are your strategic partner. We give service and provide solutions."







## HISTORY

The origin of the FAED Group dates back to the 80s, when our father, Tomás Dasgoas Rivas, started a small business project with the aim of developing a source of income in a period when Spain was facing an economic crisis.

Supported by his technical knowledge and his nonconformist spirit, Tomás Dasgoas Sr. set up a small foundry workshop called Industrias Dasgoas. It will not be until 1996 when the creation of the Fundiciones de Aceros Especiales D S.L. (FAED), company would take place. We, his children Tomás and Olga, got involved in the company's management, shaping what it is today: **FAED Group**.

Currently, our group consists of four industrial sector companies: FAED (Fundición de Aceros Especiales - Special Steel Casting), MECAPREC (Precision machining of large parts), EUROFUCAN (Industrial Services) and METCOEX (International Projects).

Each group company pursues to provide optimum levels of service and quality, which positions us as a benchmark company in the sectors we serve.

The FAED Group is the result of the evolution of our business decisions. We are always oriented towards our customers, and we always bear in mind the safety and future of our employees.



### FAED

Steel casting

A strategic partner in casting that adds value to the design and the properties of a workpiece or component



### MECAPREC

Precision machining

A leading company in large components manufacturing and precision machining.



### METCOEX

Industrial project management

Tailored solutions to specific needs. Your project delivered anywhere in the world, on time.



### EUROFUCAN

Industrial services

Highly qualified industrial services.



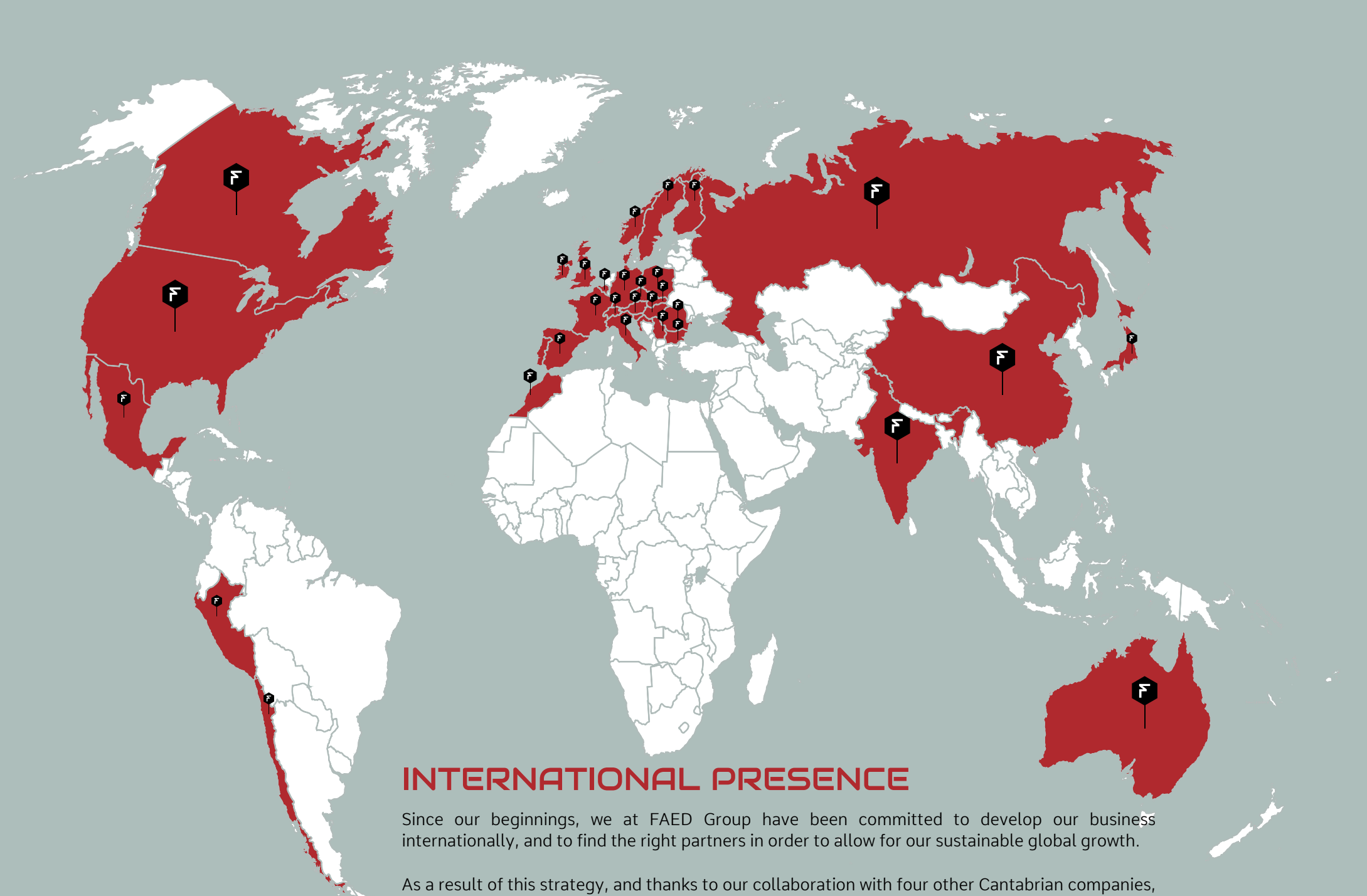


**FAED GROUP**  
PRESENT IN THE GREAT  
CHALLENGES ON **ALL CONTINENTS**

grupo

FAED

OUR CLIENTS: THE BEST ENDORSEMENT



**INTERNATIONAL PRESENCE**

Since our beginnings, we at FAED Group have been committed to develop our business internationally, and to find the right partners in order to allow for our sustainable global growth.

As a result of this strategy, and thanks to our collaboration with four other Cantabrian companies, METCOEX was born in 2005. METCOEX is dedicated to serve the international markets, which allows us to export our products and services to about thirty countries worldwide.





# FAED

## Steel casting

For our clients, FAED is a strategic foundry partner, covering their casting needs and actively contributing to the optimization of the part design and the material performance.

**With a production capacity of 16 tons per workpiece and an output of 4,000 tons per year, the FAED foundry is a world leader in Steel Castings.**

## THE COMPANY

Fundiciones de Aceros Especiales (FAED) was founded in 1996 by a group of professionals with extensive experience in the sector. At first, it was dedicated to casting medium-sized pieces. However, its evolution towards the casting of large pieces for highly demanding markets has led FAED to become a European benchmark in the sectors it serves.

High capacity for total casting units.  
Highest capacity per casting part in stainless steel in Spain.

- **16 t melting capacity**
- **4,000 t annual capacity**
- **4 induction melting furnaces (1 t, 3 t, 5 t, 7 t)**
- **80 t lifting capacity**
- **Large capacity of available flasks**

Extensive experience in manufacturing high-quality alloy steels according to different international standards (EN, UNE, ISO, DIN, ASTM, ASME, BS, etc.).





## FAED: FLEXIBILITY AND ADAPTABILITY.

### 4,000 tons per year

Our productive capacity is one of the largest in Spain and Europe.

### 16 tons

We produce steel parts by moulding resin-bonded sand, and using electric induction furnaces for melting.

### Quality Control

Our Quality Department counts on qualified personnel, materials, and equipment for the management and execution of the main NDT's: Radiographic Testing, Ultrasonic Testing, Magnetic Particles Testing, Penetrant Liquids Testing, Visual Testing and Surface Analysis, Hardness Testing, and Dimensional Controls.

### Certified Safety

We implement preventive actions that put the health and safety of our workers above any other priority.

### Research and Delevopment plus Innovation (R&D+I)

The implementation of new technologies, as well as the development of new knowledge and methodologies, have been fundamental pillars in the group's R&D+I policy.

### Minimum Delivery Time, Maximum Service

Individualized service and close attention, as well as flexibility and adaptability, are our insignia, accepting and resolving urgent manufacturing needs within minimum time periods.



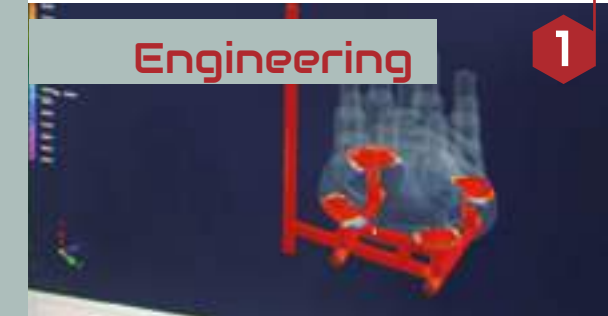
## THE FAED PRODUCTION PROCESS

Each project is a commitment. That is why we work on the continuous improvement of our production processes, optimizing resources and guaranteeing the highest quality **carbon steel, alloy steel, austenitic stainless steel, martensitic stainless steel, refractory steel, as well as duplex and superduplex steel.**

- Development of projects, new products, and alloys.
- Industrial advice.
- Process design.
- CAD and simulation.

- Polystyrene (Lost Foam) Patterns.
- Wooden Patterns.
- 3D Printing.

- Resin-bonded moulding.
- 2 Mixers (12 tons and 30 tons per hour).
- 14 x 10 m pit.



Engineering

1



Patterns

2



Moulding

3



Melting

4



Heat Treatment

5



Finishing

6



DELIVERY

- 4 induction furnaces: 1 t + 2 t + 6 t + 7 t.

- 5 furnaces.
- Maximum capacity: 8,800 x 4,400 x 2,900 mm.

- Steel shot blasting.
- Stainless steel shot blasting.
- Glass bead blasting.
- Coatings / Painting.





# EUROFUCAN

Industrial services

Your industrial partner for the auxiliary services which are essential for metal working companies

## THE COMPANY

Founded in 2001 to serve the needs of our foundry, EUROFUCAN has acquired the experience and resources that enable it to offer highly qualified industrial service solutions to the metal working sector.



## INDUSTRIAL SERVICES

- Welding.
- Heat treatments.
- Shot blasting of metal parts.
- Surface finishings and coatings on metal workpieces.
- Non-destructive testing (PT, MT, VT, UT, RX, and others).
- Measurement by means of (portable) coordinate measurement, laser or optical scanner.
- Reverse engineering projects.



## PRODUCTION MEANS



### Welding

1

We hold a substantial number of Welding Procedures (WPS) according to EN or ASME available. We use both TIG / GTAW and MIG / MAG / GMAW for our welding work.



### Heat Treatment

2

Dimensions of our heat treatment furnaces.

- 1,200 x 700 x 800 mm.
- 3,000 x 2,000 x 1,500 mm.
- 4,000 x 3,000 x 1,700 mm.
- 5,000 x 3,000 x 2,200 mm.
- 8,800 x 4,400 x 2,900 mm.



### Surface Shot Blasting

3

- Shot blasting cabins with the following dimension:
  - 4,500 x 2,500 mm.
  - 5,000 x 3,000 mm.
- Steel and stainless steel shot blasting, as well as glass bead blasting available.



### Surface Finishing

4

- Polishing.
- Spray primer method for coating.



### Non-Destructive Testing

5

Level 2 Certificates (according to EN – UNE ISO 9712:2012):

- PT (Penetrant Liquids Testing), MT (Magnetic Particles Testing), VT (Visual Testing), RX (X-ray Testing), UT (Ultrasonic Testing) and others.



### Parts Measurement and Scanning

6

- Arm of 4,5 meters in diameter.
- (Portable) coordinate measurements.
- Optical Scan of workpieces and components.





# MECAPREC

Precision machining

A machining shop for large parts that guarantees high quality work and minimum lead times, thanks to the flexibility of its production assets.

## THE COMPANY

MECAPREC leads the way when it comes to large component construction and precision machining. With nearly 30 years of experience, MECAPREC's extraordinarily skilled and trained team provides top-quality services to their customers.



## SECTORS AND MATERIALS

MECAPREC offers complete machining solutions for customers in the wind, maritime and offshore, heavy equipment, petrochemical, nuclear and aerospace industries.

Our facilities and team member are perfectly prepared to comply with demanding requirements when working with these materials:

- **Rolled products**
- **Forgings**
- **Castings**
- **Welded structures**





## OUR VALUES

The managerial commitment of MECAPREC Precision Machining with the integrated management system and its continuous improvement can be summarized as follows:

- The construction and machining of precision parts will be carried out with a commitment to prevent pollution, to continuous improvement, and compliance with applicable legal requirements, as well as significant environmental considerations that our company follows voluntarily.
- Based on these commitments, the purpose of our company is to achieve sustainable business development and customer loyalty.
- To this end, the relationship with our suppliers and customers will be based on mutual trust, providing reliable information, and the availability of our leadership.
- The active participation of all our company's personnel will be encouraged, so that their knowledge and acquired experience will make it possible to improve the effectiveness and efficiency of our integrated management system.
- The current Quality and Environmental Policy is communicated to all our employees and follows the principle of public disclosure, as it is available to anyone who requests it, as well as being available for consultation at all our work centres.
- This Policy, as stated, is reviewed annually.



## PRODUCTION MEANS

### HORIZONTAL LATHES

- AMUTIO  $\phi 350 \times 1,500$  mm.
- GURUTZPE  $\phi 1,050 \times 8,000$  mm.
- ORIA  $\phi 2,000 \times 7,000$  mm.

### VERTICAL LATHE

- YOU JI  $\phi 4,000 \times 2,200$  mm.

### BORING MACHINES

- SACEM  $1,350 \times 1,700 \times 1,000$  mm.
- TOS  $1,600 \times 3,500 \times 2,500$  mm.
- TOS  $1,600 \times 4,000 \times 3,000$  mm.
- TITAN  $12,000 \times 3,500 \times 4,000$  mm.
- JUARISTI  $10,000 \times 2,000 \times 4,000$  mm.
- PAMA  $16,000 \times 3,000 \times 5,000$  mm.

### LIFTING EQUIPMENT

- 50 t, 16 t and 6 t Overhead Cranes.







# METCOEX

## Industrial project management

METCOEX was founded in 2003 with one objective in mind: to market the products and services from five companies, with each company being a technology leader in their respective metal working activity.

METCOEX is part of the FAED Group and provides products and services, centered around the most demanding applications and corporations, to the global marketplace.

In the years since it's creation, METCOEX has supplied a wide range of industrial components, and has considerably expanded it's commercial network.

METCOEX is synonymous with customized solutions for each client and project requirement, as well as for total reliability related to the delivery of the items.

**Our clear commitment and client orientation allow us to deliver projects in the shortest possible time to any part of the world.**

## THE COMPANY

For more than 15 years, METCOEX has successfully participated in supplying industrial components to international markets.

Our experience and client commitment allow for exceptionally short delivery times for any international destination.



Our Technical and Commercial Team offers outstanding technical knowledge and high-quality service handling customer requests.

We provide you with reliable advice and we support you every step of the way, including the choice of processes and cost calculation.

METCOEX stands for tailor-made solutions for each customer, and for an exquisite project implementation from the start of the assignment to international delivery.

We will find the ideal solution for the requirements of our clients, and we are available for a trustful long-term cooperation.

**We are your partner!**

## METCOEX: A STRATEGIC PARTNER IN INDUSTRIAL PROJECTS

### 15 years of experience

METCOEX was born in order to gain access to global markets for 5 major companies in the metal working industry.

### Superior quality

METCOEX stands out as a provider and manufacturer of demanding and superior-quality components.

### New product development

We collaborate with our customers and suppliers in the development of new products for several industrial sectors.

### Project assistance

We offer full assistance to our customers throughout the development of their projects.

### "Ready-to-install" components

We provide "ready-to-install" solutions.

### Sourcing and Procurement

We have built a network of Partners which allows us to offer competitive solutions for high-quality raw materials, offering end-to-end services.



## INDIVIDUAL SOLUTIONS FOR EACH CUSTOMER AND MARKET

METCOEX is the European leader in Die Tooling for the automotive sector.

Our mission is to offer technical and manufacturing knowledge for the production of large workpieces and components (production, surface finishes, testing, and certification).

METCOEX is your strategic partner in industrial subcontracting of mechanical parts and engineering components.



Die Tooling

Heavy Industry

Special Projects

Propulsion and Marine

Energy

Mining

We are manufacturing specialists for large propeller components and propulsion elements.

We have the necessary facilities, resources, and experience to provide critical mechanical components for power generation equipment.

We produce high-quality "wear parts" and structural components for the mining and construction industries.



# gruppo **FAEMED** SECTORS

**OFFSHORE  
OIL AND GAS**



**CHAIN LINK**  
Material: Forged Steel  
Weight: 1 t



**SPOOL**  
Material: Duplex  
Weight: 3.5 t



**CAST HOUSING**  
Material: Duplex  
Weight: 1.1 t

**STEEL  
INDUSTRY**



**HYDRAULICS**  
Material: GS-52  
Weight: 5 t



**CHOCKS**  
Material: Alloy Steel  
Weight: 5 t



**ROLLER**  
Material: Forging  
Weight: 20 t

**NAVAL AND  
PROPULSION**



**BLADES AND  
HUB PROPELLER**  
Material: Martensitic  
Weight: 5 to 15 t



**BRACKET  
V STRUT**  
Material:  
G20Mn5  
Weight: 14 t



**MONOBLOCK  
PROPELLER**  
Material: Martensitic  
Weight: 8 t

**FLOW  
CONTROL**



**CASING**  
Material: WCB  
Weight: 8 t



**VALVE**  
Material: Duplex  
Weight: 15 t



**PUMP CASING**  
Material: LCB  
Weight: 4 t

**MOULDS**



**FORM PAD**  
Material: Forged Steel  
Weight: 20 t



**MOULD SUPPORT**  
Material: Alloy Steel  
Weight: 6 t

**POWER**



**HUB**  
Material: G20Mn5  
Weight: 12 t



**KAPLAN TURBINE**  
Material: Martensitic  
Weight:  
Blades: 4 t  
HUB: 8 t



**SHAFT**  
Material: Forged Steel  
Weight: 15 t

**TOOLING**



**TRIM STEEL**  
Material:  
Cast steel  
1.2333, 1.2320,  
1.2382



**ROOF**  
Material:  
Cast steel  
1.2333, 1.2769S



**PUNCH / UPPER PAD**  
Material: Cast Steel  
1.2333, 1.2320, 1.0446,  
1.2769S





## QUALITY

The FAED Group is certified according to the most rigorous standards for safety, innovation, and quality.



Currently, the FAED Group holds the following certifications under the ISO standards:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO 9100:2018

The FAED Group is also recognized as an approved manufacturer of Marine and Offshore Components under the scope of the following class society:



## CORPORATE SOCIAL RESPONSIBILITY

The contribution of the FAED Group to sustainable development is materialised in principles and practices of corporate social responsibility that meet the needs and expectations of its stakeholders.

1. **Commitment to people**, promoting the creation of stable and quality employment, encouraging professional development based on merit (integrity, work, and achievements) and equal opportunities as central elements.
2. **Commitment to safety and health**, employing all means at our disposal in order to provide a healthy and safe work environment.
3. **Commitment to clients**, improving the service and attention provided. We periodically evaluate their satisfaction and identify their expectations, by means of a transparent and impartial procedure.
4. **Commitment to suppliers**, establishing mutually beneficial relationships for both parties, guaranteeing the supply of goods and services with the maximum guarantees of quality and safety.
5. **Commitment to the environment**, minimizing the environmental impact of our activity and complying with the policies and procedures established in the environmental management system.
6. **Commitment to society**, increasing our contributions to the community by satisfying local needs and meeting the company's objectives.
7. **Commitment to communication and dialogue with stakeholders**, maintaining channels of communication and dialogue with all stakeholders, based on transparency, truthfulness, and commitment.
8. **Commitment to transparency**, disseminating relevant and truthful information about our activities, subjecting them to internal and external verification processes that guarantee their reliability and encourage continuous improvement.







grupo **FAED**

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