



Manufacturing solutions for the Wind Energy.

— We provide affordable, reliable and sustainable solutions.



Manufacturing and supply of components, spare parts, toolings and mechanical assemblies.

O&M: Refurbishing, repair and maintenance

Projects: engineering, manufacturing, assembly, quality controls.

High precision machining for the critical components of the turbine.

We offer services tailored to your business needs.

— More than 20 years being partner of the main utilities and technologist of the wind energy sector providing 360° reliable solutions



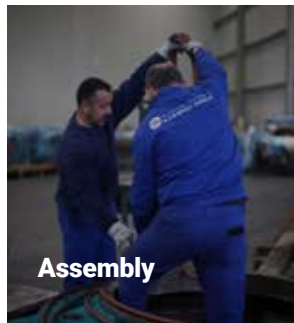
Machining



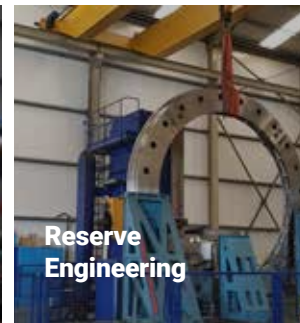
Surface Treatment



**Welding &
Metal
Sheet Working**



Assembly

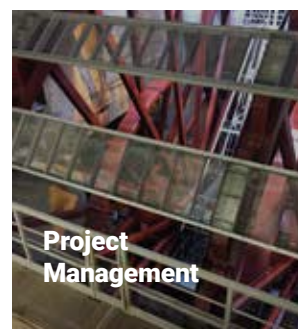


**Reserve
Engineering**

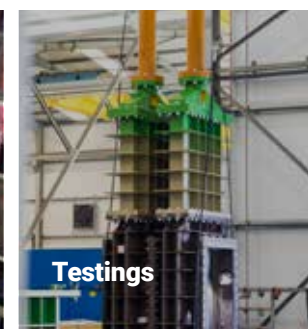
- + Turnkey projects
- + Components
- + Construction of mechanical assemblies
- + O & M



Quality Assurance



**Project
Management**



Testings

Why choose Acebron?



"We trust Acebron Group as a strategic collaborator for the repair of gearboxes and other components of the nacelle for more than 12 years. During all this time, they have proven to be a serious and reliable supplier with great capacity, reliability and flexibility to adapt to our production needs."

Rubén Carranza

Sigueiro plant manager and head of Gamesa's refurbishment business



"We have been collaborating with Acebrón Group (MECACE) for more than 5 years. We started machining parts of a single machine model and today they collaborate with us repairing parts of all our fleet models. Undoubtedly they have collaborated in our growth, thanks to a close collaboration with their wonderful team, providing support and innovative solutions, as well as availability before our emergencies, with great professionalism and efficiency. Undoubtedly a key supplier in our process."

Raquel Sánchez-Beato

Logistic & External repair specialist.
GE Renewable Energy



Our team works with a wide variety of materials

— We help your company to achieve its goals

- | | | |
|------------------------|----------------------|----------------|
| + Carbon steel | + Stainless steel | + Duplex |
| + Bronze and aluminium | + Technical plastics | + Super Duplex |



Components and Spare Parts

— We supply and manufacture with our inhouse means, single parts and mass production of the most critical components of the wind turbine, such us.

- + Drive Train
- + Main Shafts (more than 4.600 pcs.) and Main Shaft Assembly.
- + Geaboxes
- + Main Foundations (rear and front) / Base Frame
- + Hubs
- + Bearings housings
- + Geaboxes housings
- + Brake discs
- + Base plates
- + Extenders
- + Bushings
- + Cover front and Cover Rear
- + Generator Base Frame



Projects for Onshore and Offshore Wind

— Manufacture of mechanical welded foundation component under standard of EN1090 & ISO3834.

— Complete manufacture of toolings (transportation, lifting, special uses).

— Supply of machined components.



001 Offshore Wind Energy Project

Complete manufacturing of transportation base frame for off shore wind turbine for Alstom.



002 Hywind Scotland Pilot Park Project (Statoil)

Manufacturing of welded components for SPAR-type floating substructures for the UTE Navantia-Windar. Year 2016-2017.



003 East Anglia One Off Shore Wind Energy Park (Scottish Power)

Manufacturing of Boatlanding and rest platform for the jackets for the UTE Navantia-Windar. Year 2017-2018.



004 Saint Brieuc Off Shore Wind Energy Park (Iberdrola)

Manufacturing of Transition Pieces for the jackets for UTE Navantia-Windar. Year 2020-2021.

The experience of our customers speaks for us

— The advanced digitalization and technology of our warehouses allows us to guarantee our customers the manufacture of competitive, cost-effective products, always meeting the highest quality standards.

Mecace

Acesan



The future is now

— Our production process, manufacturing and technical office are interconnected, obtaining information in real time of the times and costs associated with each manufacturing and machining process.

Figures are our quality seal

— Capacities by Process: 20.000 m² of premises area

MACHINING 8.213 M ² OF PRODUCTION AREA	Nº	X TRAVERSE (MM)	Y TRAVERSE (MM)	Z TRAVERSE (MM)	MAX WEIGHT (TN)
MILLING MACHINE	2	4.300	1.500	1.800	10,00
BRIDGE MILLING MACHINE	1	6.000	3.559	1.100 - BRIDGE HGT: 2.800	10,00
BORING MACHINE	7	14.000	4.000	RAM TRAVEL: 1.000 SPINDLE STROKE: 800	TURNING TABLE: 40 FIXED TABLE: 80
MACHINING CENTER	3	700	900	780	1,00
PALLETIZING CENTER	2	3.000	2.000	2.000	16,00
HORIZONTAL LATHE	9	Ø MAX 3.800	MAX. LENGTH: 8.000	-	30,00
VERTICAL LATHE	5	Ø MAX 11.000	WORKPLACE HIGH: 3.500	RAM TRAVEL: 1400	40,00

QUALITY CONTROL/MEASUREMENT	X (MM)	Y (MM)	Z (MM)	ACCURACY (MPE)
THREE-DIMENSIONAL COORDINATE MEASUREMENT EQUIPMENT (DEA)	5.080	2.030	1.500	14 + 15 L/1000
	RESOLUTION	SAMPLE RATE	ACCURACY (MPE + MPE/M)	ANGULAR ACCURACY (MPE + MPE/M)
FARO LASER TRACKER VANTAGE	0,5	10.000 POINTS/SEC	16 + 0.8	20 MM + 5 MM/M

SURFACE TREATMENT & WELDING	PRODUCTION AREA(M ²)	SHOOTBLASTING (MM)	PAINTING (MM)	METAL SPRAYING (MM)
	2.560	12.100X4.980X5.120	12.500X3.750X4.280	10.450X5.740X5.380

Our business' philosophy is based on the **total quality** which is applied in all our processes

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ISO9001 HIGH QUALITY REQUIREMENTS



ISO14001 ENVIRONMENTAL MANAGEMENT



ISO45001 SECURITY & HEALTH



EN1090 EXC4 CLASS EXECUTION



ISO3834 WELDING QUALITY REQUIREMENTS



REPRO ENERGY PREQUALIFICATION



NORSOK501 + ACQPA + NACE SURFACE PREPARATION AND PROTECTIVE COATING



We control our processes with laser and three-dimensional technology to achieve the highest manufacturing quality.



Our social commitment

With the sole objective of providing improved service to its customers.



UNITED NATIONS GLOBAL COMPACT

We are part of the Spanish Network of the United Nations Global Compact.



CIRCULAR ECONOMY

We seek to reduce waste through the repair and recovery of materials by carrying out a Circular Economy.



ETHICAL CODE OF CONDUCT

We are governed by an Ethical Code of Conduct that expresses the values, principles and guidelines by which our team is governed.



EQUALITY PLAN

Our Equality Plan aims to eradicate the disparity of treatment and opportunities between men and women.



SUSTAINABLE SUPPLIERS

Towards more responsible supply chain management.

- + Absolute quality in productive process
- + Great flexibility and technical capacity
- + Turnkey Projects
- + Specialized in medium and big size components



Flyer Wind Energy



Web Page



QUALITY

Continuous technology innovation

High production capacity

Efficiency

VALUES

Continuous technological innovation

Flexibility, adaptability and quality

Responsibility towards the environment

Commitment to health and safety at work

Equality and work-life balance

ISO9001
High Quality Requirements

ISO14001
Committed to the Environment

ISO45001
Security & Health

EN1090
EXC4 Execution Class

ISO3834
Welding Quality Requirements

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