

Why Gamesa Induction?

People

We are people driven by nature. We are deeply proud to be part of something truly significant. Together, we are not just building a more sustainable world; we are creating a brighter future for generations to come. As part of an international family united by a shared vision, we strive for one powerful goal: a better world for all.

Competitiveness

Gamesa Induction guarantees that it will meet the technical requirements of every project at an attractive price.

Flexibility

Full product customisation, allowing us to adapt to each customer's needs. This means that each and every project becomes a tailor-made solution with high added value.

Decades of expertise

Gamesa Induction has more than 95 years of experience in the manufacture of electric generators and motors and 25 years of expertise in the development of its own power electronics technologies.

Technological innovation

For projects where reliability and performance under low-load conditions, we offer permanent magnet generators. By combining these generators with suitable power electronics systems, we can offer an integrated power generation system that does not require speed control. This significantly increases the return on investment from limited hydraulic resources.

Technical support

Gamesa Induction provides all the required support during the installation and commissioning to ensure the optimal machine operation, including the necessary validation, quality control and project management procedures.

Multiple communication channels

We provide our customers with multiple communication channels to respond quickly to requests for information, service and support. Direct access to our multidisciplinary teams across different countries is guaranteed, either through the usual contact methods or through our website.

Induction by Gamesa

Follow us on LinkedIn

Technical Assistance Service (TAS)

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Overhauling Services

Complete solutions for the revision and repair of electric motors and generators

Generators & Motors *Driven by Nature*



Gamesa Induction brings extensive expertise in the repair of motors and generators, delivering high-value solutions for the leading power generation and industrial sectors worldwide

ISO 9001 | ISO 14001 | ISO 45001

Hydro Expert maintenance and repair generators in small hydro plants.

Marine Specialized repair and maintenance for marine electric motors and shaft generators.

Diesel & Gas Comprehensive maintenance and repair for diesel and gas generators.

Wind (Multi-brand) Expert multibrand repair and maintenance for wind turbines, covering a wide range of OEMs and technologies.

Repair process

- Facilities

Gamesa Induction has a workshop dedicated exclusively to the overhaul and repair of generators and motors, with an area of 1,200 m².

The capabilities of these facilities are:

 - › Lifting capacity: 70 T
 - › Height: 12 m
 - › Balancing: 12 T
- Thermal classes

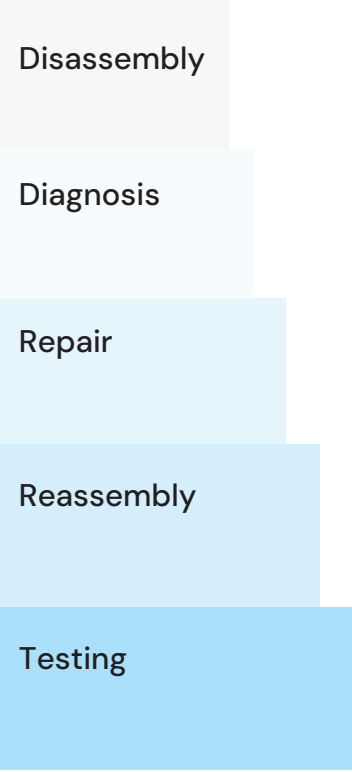
 - › H: 180 °C
 - › Silicone: 200 °C
- Impregnation stand

In the case of rewinding, Gamesa Induction has an automated stand of impregnation (VPI) with a system for controlling, recording and registering the main parameters intervening in the process.
- Diagnosing and testing

 - › Partial discharges
 - › Delta tangent
 - › ELCID magnetization test
 - › Magnetic wedge test equipment
 - › Laser Tracker (FARO)
 - › Mobile vibration analyzer
 - › Laser alignment equipment
- Test platform

Gamesa Induction’s facilities include a test bench designed to carry out dynamic tests on motors and generators:

 - › Arrangement: vertical –horizontal.
 - › Type of machine: synchronous or asynchronous.
 - › Type of test: driven machine or motor mode function.
 - › Bearing lubrication.
 - › Cooling: air, glycol water.
 - › Load tests (full load / bi-frequency).
 - › Converter availability for system tests.
 - › Excitation: Brushless, static, permanent magnets.



Why repair?

- Circular economy

Repair is a key element of the circular economy. It reduces waste and minimizes the use of resources. We promote the right to repair, an essential pillar of the circular economy to reduce waste and combat planned obsolescence.
- Sustainability

Premature product substitution causes many millions of tons of CO2 emissions and millions of tons of waste each year. At Gamesa Electric we want to promote a more sustainable economy and reduce unnecessary waste.
- Life extension

Extending the life of products contributes to climate change mitigation, environmental protection, waste reduction and economic prosperity. It is also a driver for innovation in our existing range of products.
- Cost reduction

Repairing or replacing certain components is often much less expensive than buying a completely new machine.
- Quality

We apply the same quality standards to repairs as we do to new products.
- Reduce downtime

Delivering a new machine will take longer than repairing one.

