

EQUIPMENT REPLACEMENT: EFFICIENCY AND RELIABILITY

Industrial Motors
Commercial &
Appliance Motors
Automation
Digital &
Systems
Energy
Transmission &
Distribution
Coatings

replace obsolete equipment
to increase operational
efficiency, reduce costs, and
ensure greater productivity,
reliability, and market
competitiveness



Driving efficiency and sustainability



Why replace your equipment with WEG solutions?

Replacing industrial machines and equipment is essential to maintain competitiveness and operational efficiency. Factors such as natural wear, operational failures, low energy efficiency, lack of technological innovation, compromised service life, increased demand, and regulatory requirements directly affect process productivity and safety.

WEG offers solutions that combine high performance, reliability, and innovation, contributing to a more efficient and sustainable production process.

When is the right time for replacement?

Frequent downtime, high maintenance costs, and loss of efficiency are indicators that equipment has reached the end of its useful life. With customized services, WEG helps maintain maximum availability, identifying the ideal moment for replacement. This prevents unexpected failures, reduces costs, and ensures safety, reliability, and operational efficiency.



Wear and Operational Failures

Over time, machine parts and components undergo natural wear due to continuous use, causing mechanical, electrical, and electronic failures that affect operational efficiency.



Energy Efficiency

With advances in thermodynamics and new materials, today's steam turbines feature lower specific consumption, ensuring greater efficiency, availability, and operational cost savings.



Increased Demand or Production

The growth of industrial production may require greater capacity from equipment to meet demand. WEG conducts customized studies for retrofit, modernization, or replacement, ensuring the equipment meets new requirements.



Regulatory Compliance

Constant changes in technical and environmental regulations require modern equipment that meets current compliance standards.



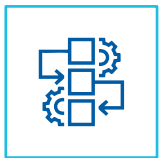
Technological Innovations

Updated machines and equipment with advanced designs, innovative materials, and integrated automation reduce maintenance costs and offer higher performance.



Maintenance Costs

At the end of the equipment's lifecycle, maintenance costs tend to rise significantly to keep operations running.



Equipment Lifespan

As equipment reaches the end of its useful life, failures become more frequent, compromising operational continuity. Full replacement becomes a strategic decision to ensure performance and reliability.



More innovation and greater efficiency in your production process

WEG has extensive experience in conducting technical and economic feasibility studies to support decisions on replacing steam turbines, gear reducers, generators, electric motors, and other rotating equipment. With a highly qualified team, we offer customized solutions from the initial analysis to the supply of new equipment.

Our approach focuses on performance optimization, operational cost reduction, and compliance with the latest safety and environmental standards enhancing competitiveness and sustainability in industrial operations.

Why Replace Your Turbogenerator Set? Benefits and Opportunities

- Increased human and facility safety
- Enhanced operational reliability
- Higher thermal cycle efficiency
- Reduced operational cost
- Lower maintenance cost
- Maximized use of existing assets
- Increased revenue



From study to implementation, WEG delivers a complete project!

- Assessment of operational and process needs
- Evaluation of existing equipment and installation infrastructure
- Engineering studies, including thermal balance and technical analysis
- Feasibility study with execution schedule assumptions, CAPEX, and use of existing assets
- Equipment manufacturing:
 - Steam turbines
 - Speed reducers and increasers
 - Generators
 - Metal base/skid adapted to the existing project
 - Hydraulic system
 - Safety and control systems
 - Panels and switchgears
 - Substations
- Field Services:
 - Dismantling of old equipment, installation of new units, commissioning, and startup
 - Assisted operation, training, and 24/7 after-sales technical support

The scope of WEG Group solutions
is not limited to products and solutions
presented in this catalogue.


To see our portfolio, contact us.

**For WEG's worldwide
operations visit our website**



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The values shown are subject to change without prior notice.

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