

SERVICES FOR GEARBOXES AND MULTIPLIERS

Factory and
field services

Industrial Motors

Commercial &
Appliance Motors

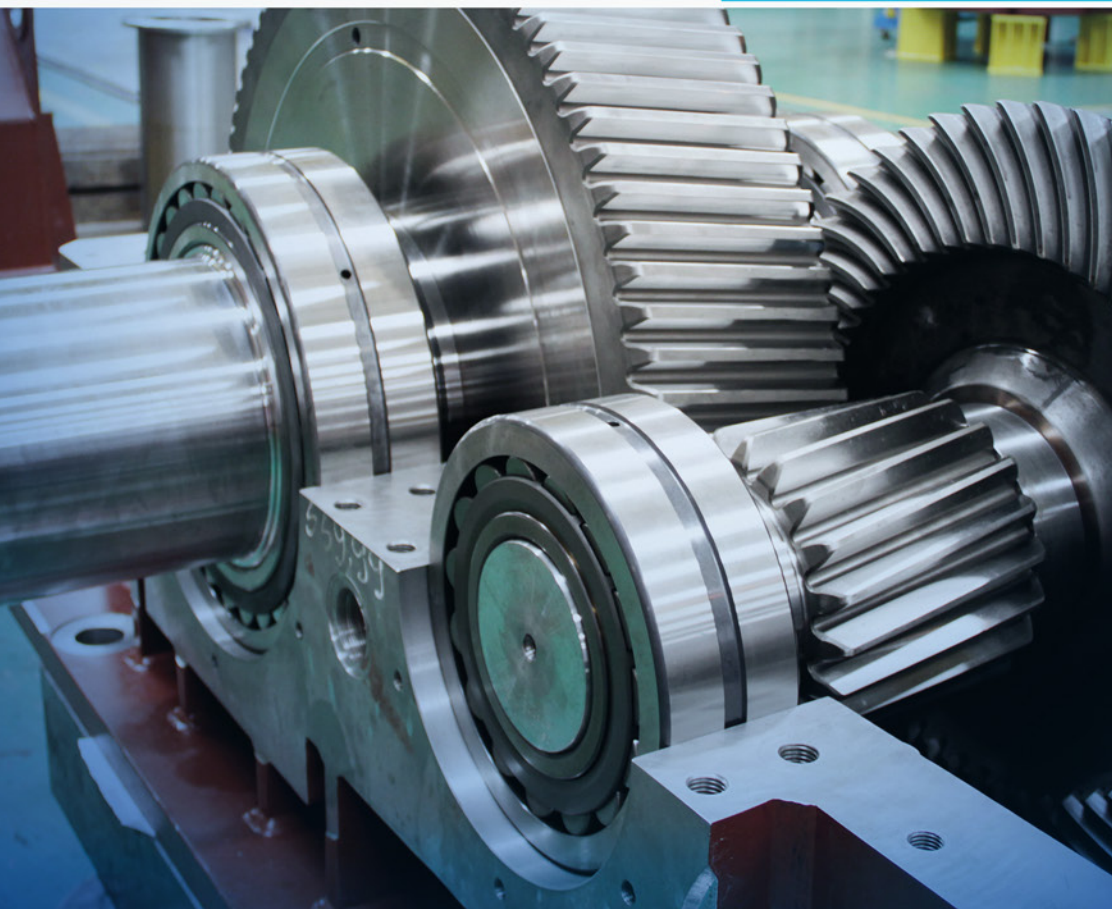
Automation

Digital &
Systems

Energy

Transmission &
Distribution

Coatings



Driving efficiency and sustainability



Services for gearboxes

WEG is a specialist in servicing gearboxes from other manufacturers and restoring them to their original constructive form. The use of advanced techniques allows servicing the complete gearbox or its various parts or components.

Structure

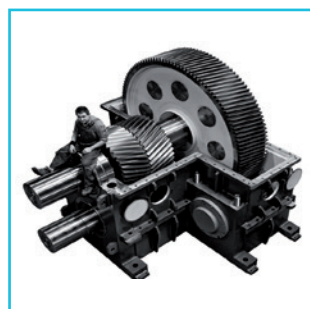
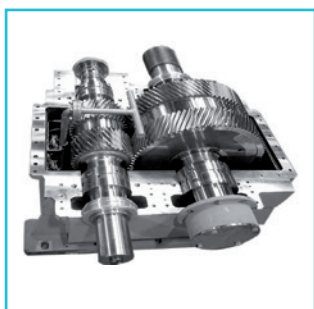
- Own technology
- Team focused on results and efficiency
- Modern and complete servicing centres
- Full knowledge and experience of applications
- Fast, flexible and competitive

Main services

- Inspections and Overhauls
- Refurbishments
- Retrofits
- Re-engineering and Optimisation
- Balancing
- 3D engineering
- Installation and startup
- Monitoring and assessment
- Spare parts and components
- Planned maintenance
- Long-term service contracts
- Training

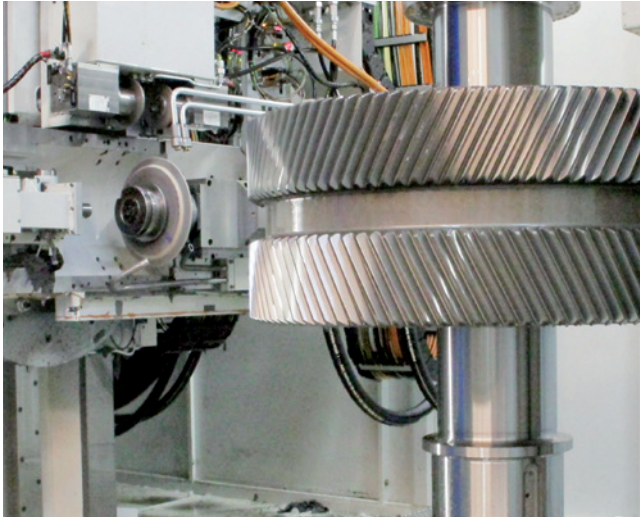
SERVED SECTORS

FOOD AND BEVERAGE
PULP AND PAPER
CEMENT AND MINING
WIND POWER
FERTILIZERS
WOOD INDUSTRY
MARINE
SMALL HYDROELECTRIC STATION
CHEMICAL AND PETROCHEMICAL
STEEL
SUGAR AND ETHANOL
OTHERS

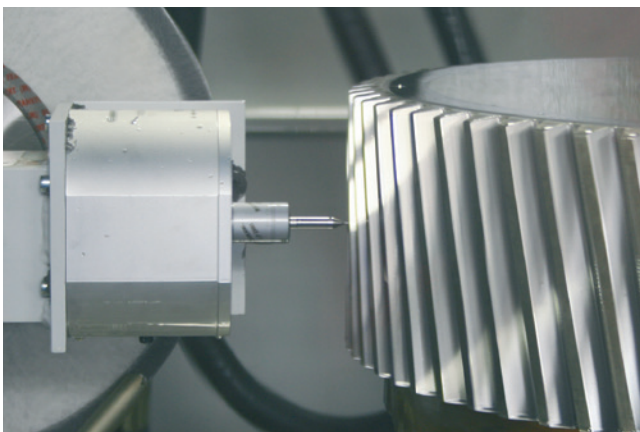
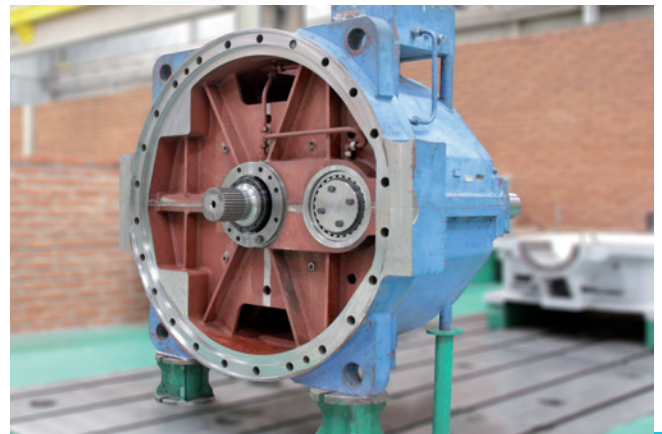
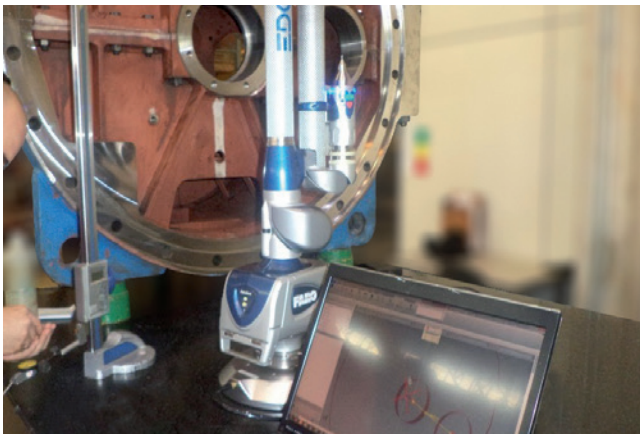


WEG Technology

WEG has engineers and technicians specialized in the construction, development and installation of products and services that ensure the best solution for the needs of every customer. To this end, we use advanced engineering technologies, such as graphic software applications, and ensure adherence to the latest industry standards. The use of advanced techniques allows us to provide, on a case-by-case basis, services such as: 3D engineering, retrofits, overhauls and re-engineering and optimisation of the complete product or specific parts and components.



In order to meet the customers' expectations, WEG invests in the preparation, qualification and training of technical personnel in product engineering, applications, quality control, manufacturing and field services, and in the continuous improvement of the technology. WEG provides relevant application consulting services in order to have the best return on investments.





Quality

Using our own technology, WEG meets all customers' requirements in products and services focused on the three fundamental pillars of an industry: **safety, efficiency and operational availability.**

Quality

WEG's main commitment is to deliver products, parts and services to the highest quality levels, while always striving to achieve complete customer satisfaction. Therefore, our quality system supervises and continuously searches for process improvements, complying with the most demanding international standards for selection, calculation and manufacturing of rotating machines.

Own technology

As a result of constant investments in research, development, manufacture, installation and after-sales services, WEG is among the main global suppliers of electrical and mechanical equipment and solutions.

Certifications

ISO 9001 and ISO 14001.



Manufacturing facilities

WEG has a modern manufacturing plant composed of machining centers, gear milling machines and grinding machines, bearing manufacturing, lubricant oil analysis lab, assembly and testing unit for gearboxes and speed multipliers. In addition to the manufacturing structure, the company has a qualified field service team available 24/7/365.



Laboratory for oil analysis

WEG has a modern laboratory in its manufacturing facilities for lubricating oil analyses which helps in predictive and preventive maintenance of equipment, always aiming at increasing safety and operational availability.



Sleeve bearings

WEG's structure has several unique features, including the modern manufacturing facilities to produce bearings for gearboxes and speed multipliers.



Heat treatment

WEG carries out heat treatments in furnaces in compliance with the API-6A standard which are among the most advanced in the world. The structure has a complete laboratory for mechanical and metallographic tests. All processes are accompanied by compliance reports, providing a high level of quality to gearboxes, gears and shafts.

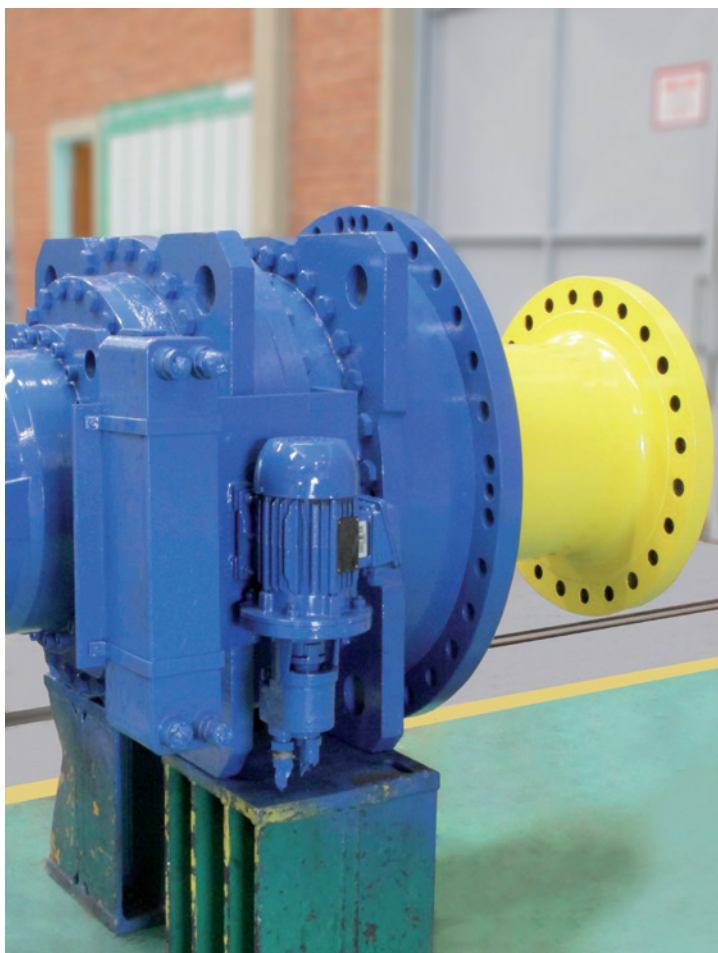


Test bench

The test bench is equipped with modern instruments and control systems that determine the conditions of new and overhauled machines up to 60 MW, whether manufactured by WEG or not.

Services for gearboxes and multipliers

Food and beverage



Services for gearboxes and multipliers

Pulp and paper



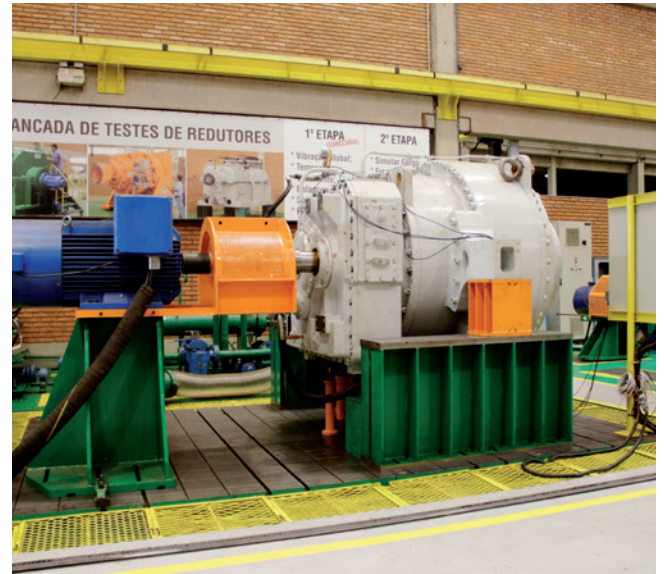
Services for gearboxes and multipliers

Cement and mining



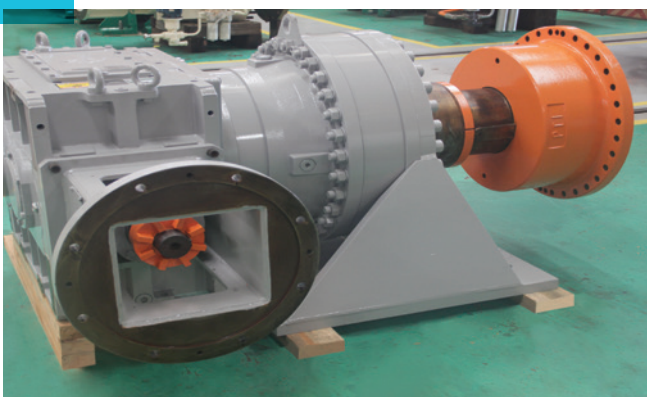
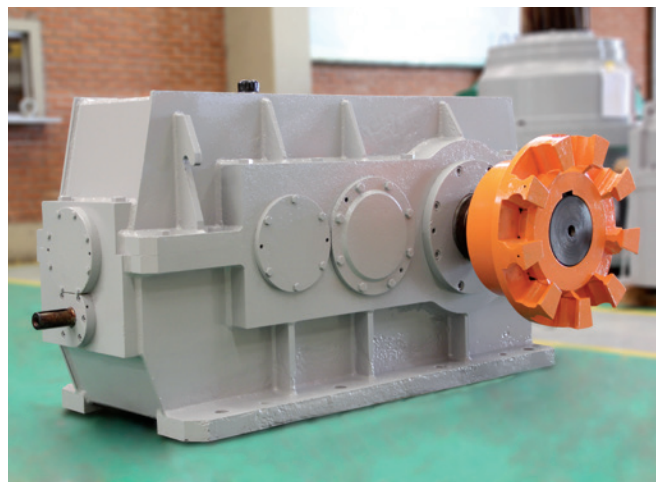
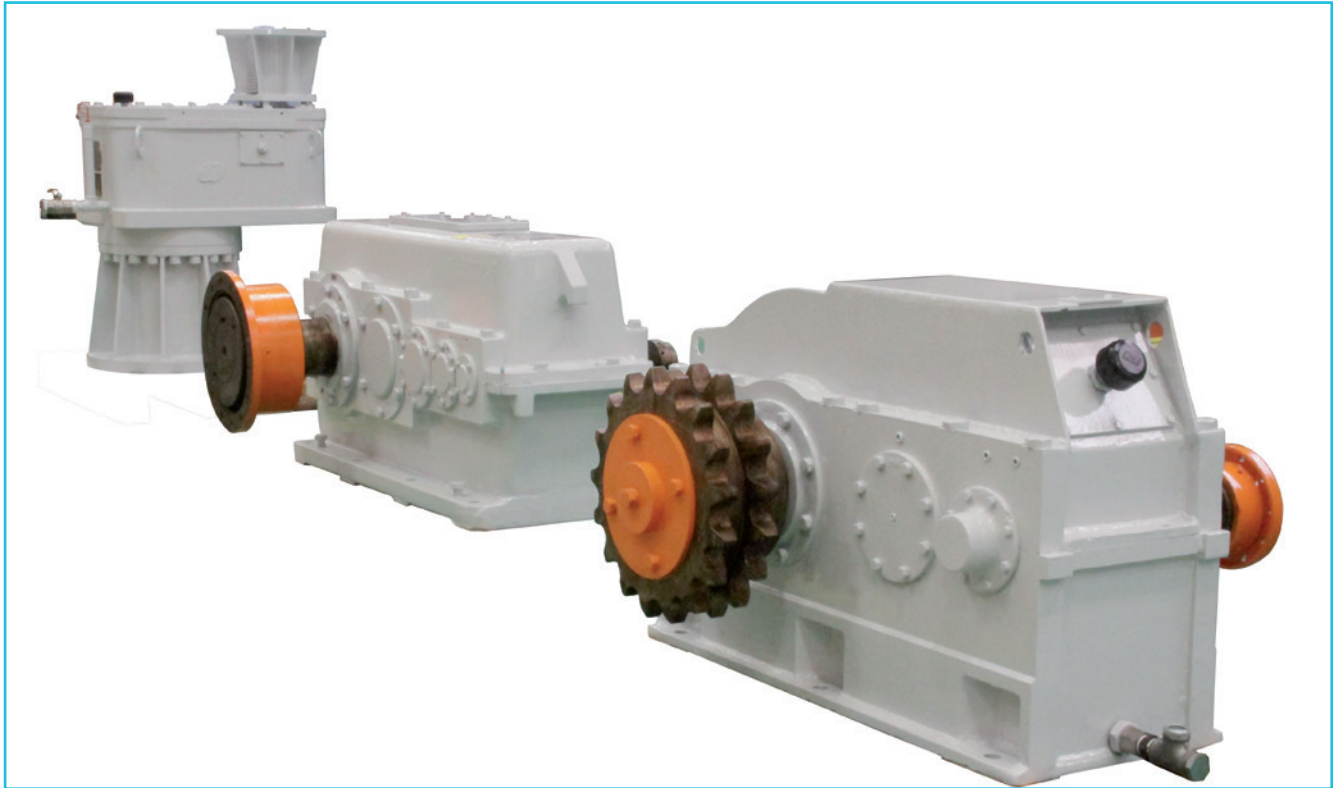
Services for gearboxes and multipliers

Wind power



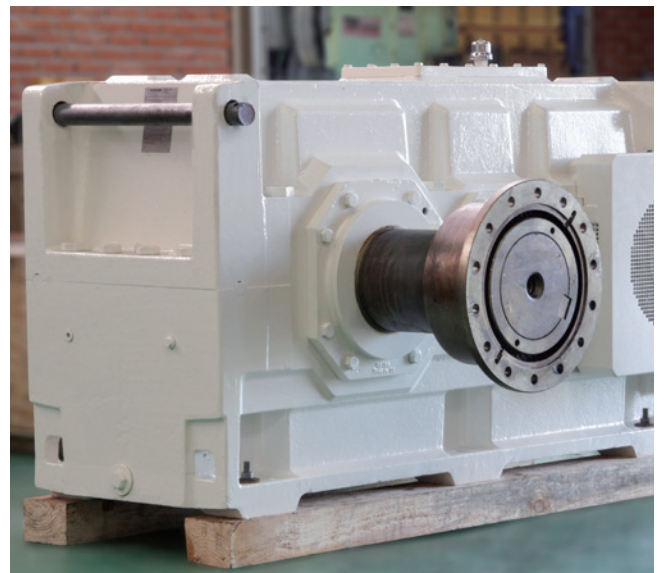
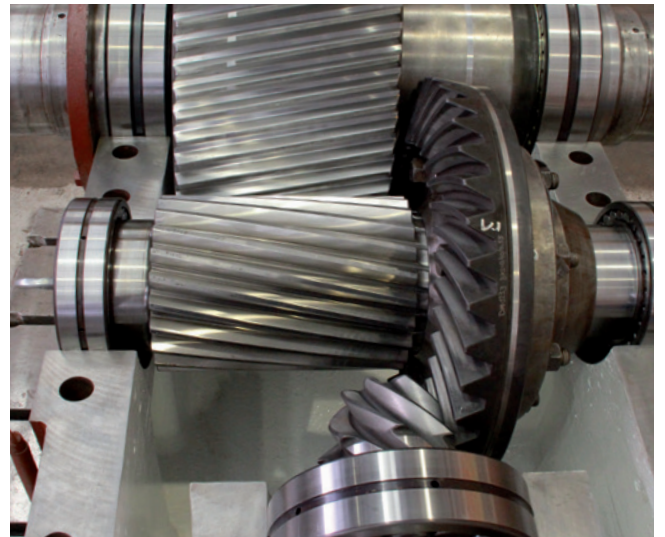
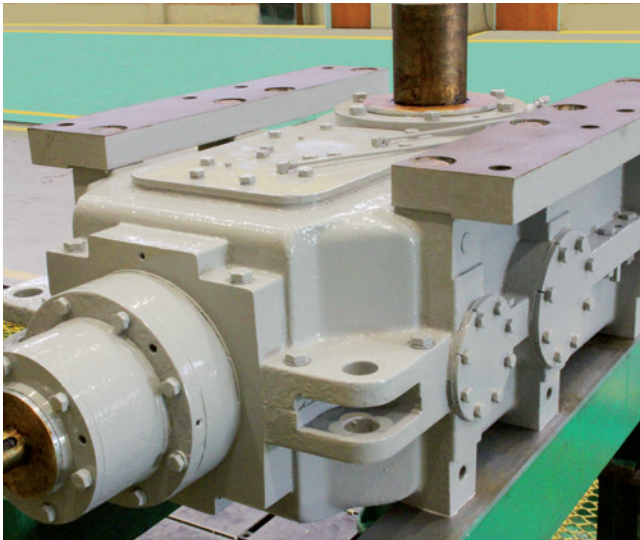
Services for gearboxes and multipliers

Fertilizers



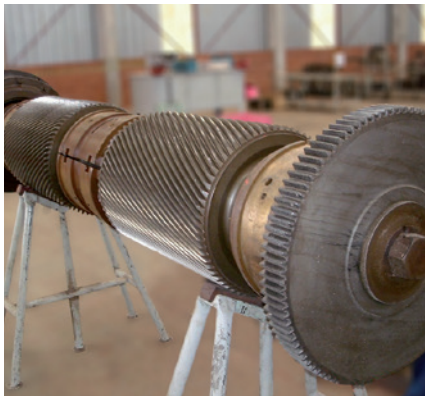
Services for gearboxes and multipliers

Wood industry



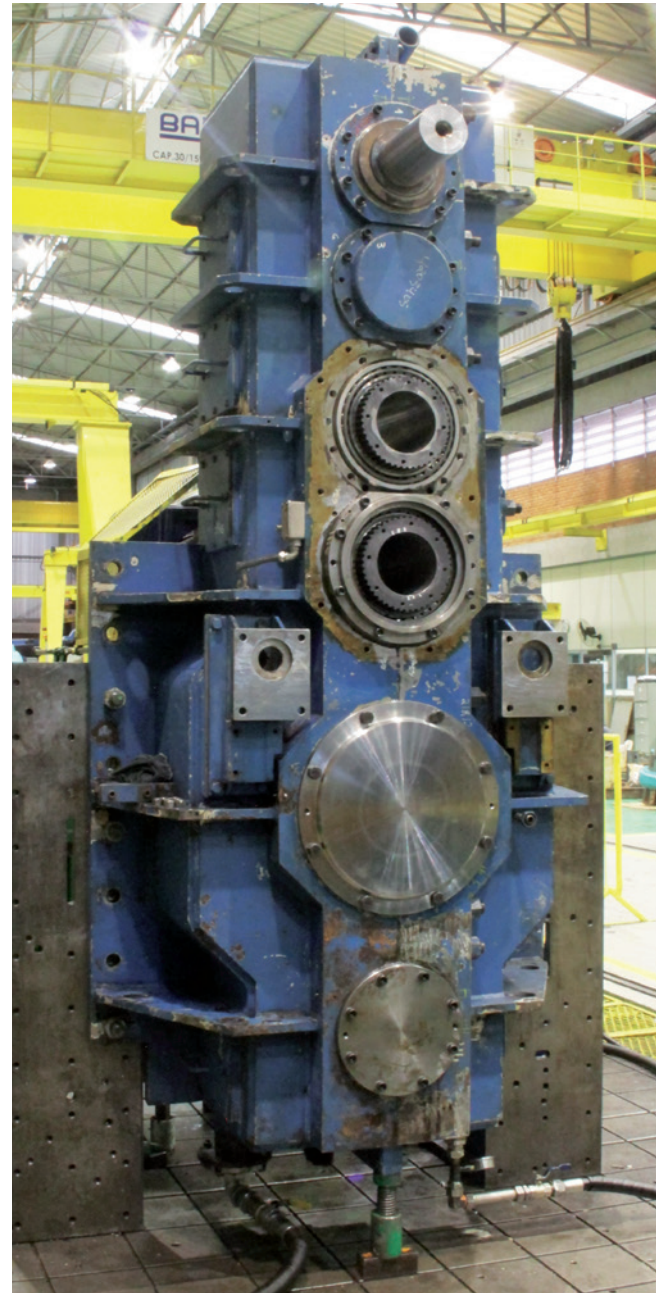
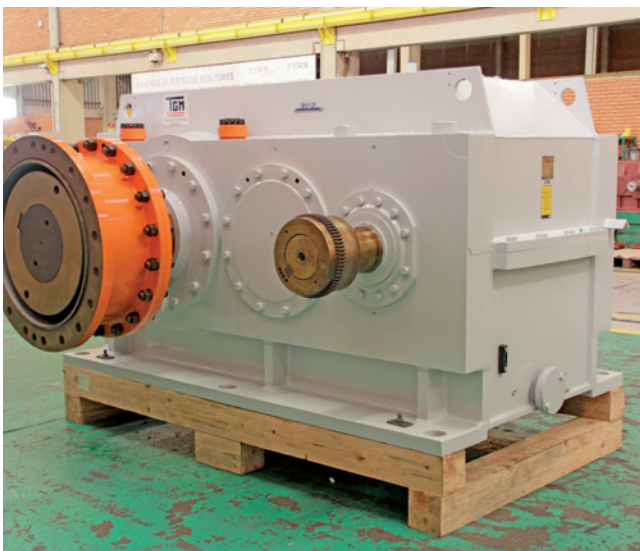
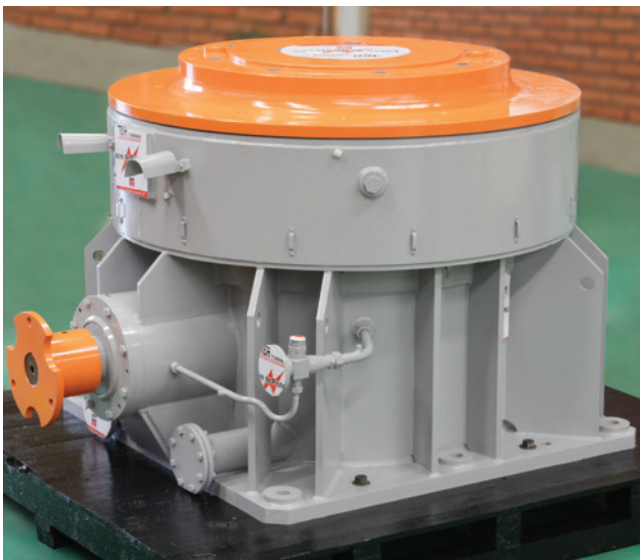
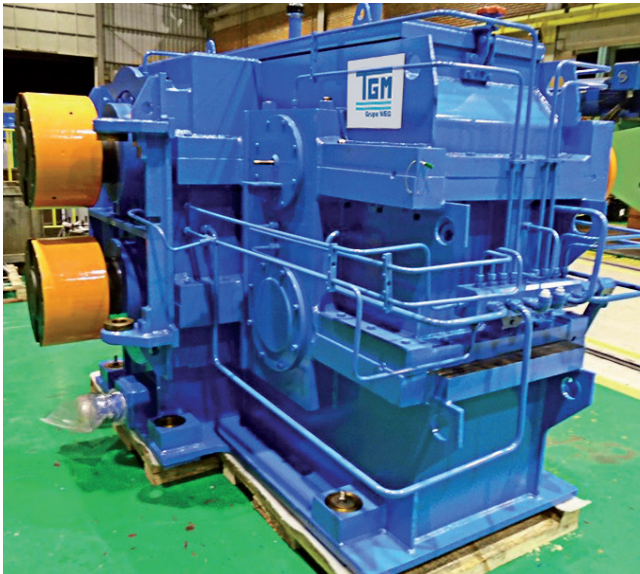
Services for gearboxes and multipliers

Marine



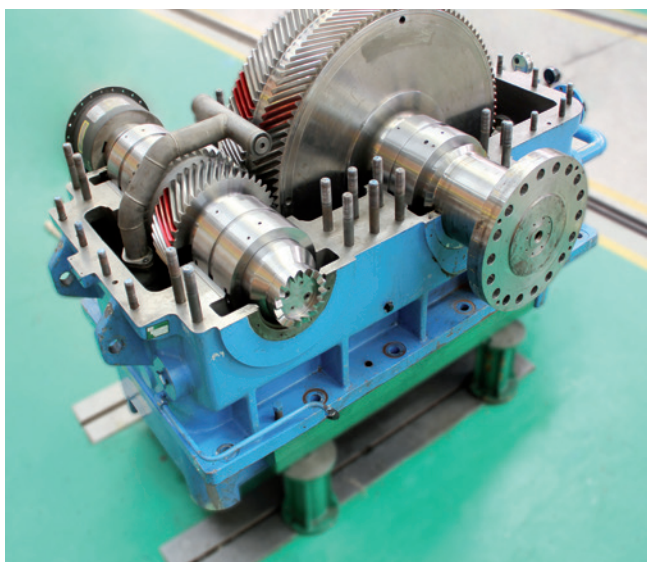
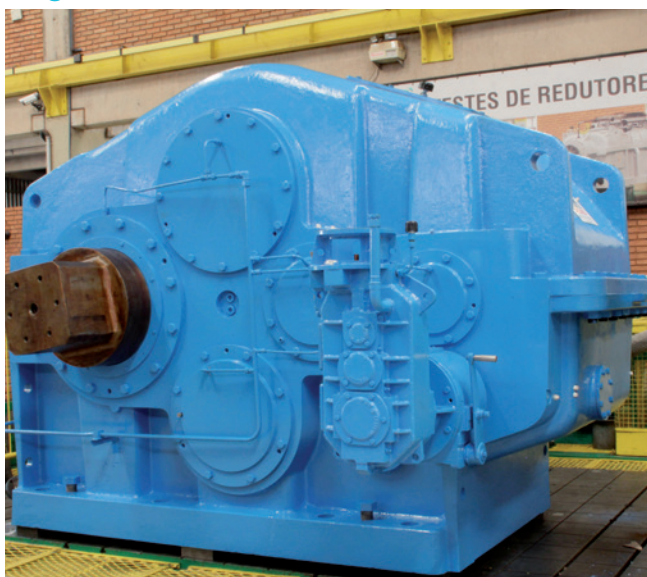
Services for gearboxes and multipliers

Iron and steel



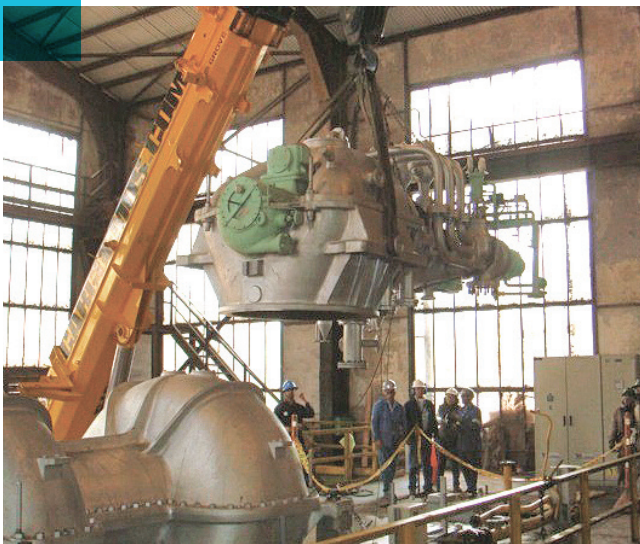
Services for gearboxes and multipliers

Sugar and ethanol



Services for gearboxes and multipliers

Chemical and petrochemical



Services for gearboxes and multipliers

Spare parts

By means of modern processes and strict control and quality standards, WEG manufactures spare parts for steam turbines and gearboxes with timely delivery. We keep a wide range of rolling bearings for gearboxes and mechanical and electronic components in stock.



Highly reliable monitoring and control

WEG Monitork and Protetork are a simple and smart systems that, in addition to monitoring the oil temperature and pressure and vibration, guarantees that the gearbox will not undergo overtorque, avoiding accidents and ensuring an operation within the established limits.



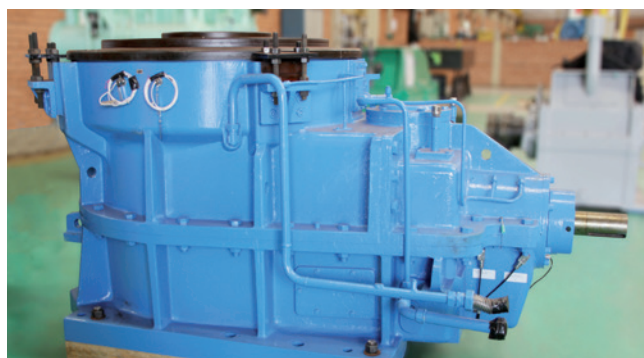
Long-term contracts

It is an important maintenance concept that guarantees efficiency, availability, process safety and plant profitability. In this way, industries reduce their risk of unwanted stops, premature equipment wear and excessive expense due to unplanned maintenance.



Planned maintenance

Ensures increased availability of equipment, providing an efficient shutdown with prevention, recovery, modernization and parts replacement services. In the steam turbine market, the WEG field services team offers unbeatable performance and value in meeting the customer's needs.



Services for gearboxes and multipliers

WEG's installation, startup, monitoring and technical support services are performed following thorough processes and instructions at every stage of the project.



Operations engineering

Studies of industrial processes in the field ensure the improvement of the plant general performance so as to maximize efficiency and guarantee profitability.



Technical reports and documentation

WEG's service team issues documents such as: inspection and testing plans, dimensional inspection, non-destructive testing, runout testing, balancing, fault analysis, photographic analysis of components, water tightness and hydraulic testing reports. It also provides raw material and treatment certificates.



Services for Gearboxes and Speed Multipliers in the field or in-house

WEG performs inspection and maintenance services, in the field and at our servicing centres, on its own gearboxes and speed multipliers and on equipment from other manufacturers. Among the services offered, we highlight repowering, modernization, recovery, balancing and reverse engineering with the aid of 2D and 3D CAD tools, finite elements analysis, torsional analysis, manufacturing of parts, installation, commissioning and start-up, inspection and monitoring, as well as planned maintenance and long-term service contracts.

As an equipment manufacturer and maintenance service center, WEG can offer advice to its customers on gearboxes and multipliers. WEG has qualified professionals to conduct comparative studies for restoring or replacing equipment, helping the customer make the best investment decision, always aiming at the optimization and safety of the operation.



Service Support

Our aftermarket specialists help customers achieve greater operational availability with 24/7/365 on-call emergency services. WEG streamlines the entire process, from identifying needs to completing services, to restore equipment to its natural conditions in the shortest possible time. All services are performed by teams qualified to serve customers worldwide. WEG's resources and services undertake unquestionable commitments to the production chain, ensuring the full operation of customers' equipment.

Sustainability



WEG, as a way of confirming its commitment to the **Sustainable development**, is a signatory to the UN Global Compact and continually works to align its strategy and operations with the **Ten Universal Principles in the areas of Human Rights, Labour, Environment and Anti-Corruption**. This adherence also confirms WEG's alignment with the Sustainable Development Goals (SDGs).

HUMAN RIGHTS



- 1 - The companies should support and respect the protection of internationally recognized human rights.
- 2 - Make sure that they do not take part in the violation of such rights.



ENVIRONMENT

- 7 - The companies should support a preventive approach to environmental challenges.
- 8 - Undertake initiatives to promote greater environmental responsibility.
- 9 - Encourage the development and dissemination of environmentally friendly technologies.

LABOUR



- 3 - The companies should support the freedom of association and the effective recognition of the right to collective bargaining.
- 4 - The elimination of all forms of forced or compulsory labor.
- 5 - The effective abolition of child labour.
- 6 - Elimination of discrimination at work.



ANTI-CORRUPTION

- 10 - The companies should fight corruption in all its forms, including extortion and bribery.

WEG
PURPOSE

DEVELOP
TECHNOLOGIES AND
SOLUTIONS TO
CONTRIBUTE TO THE
BUILDING OF
**A MORE EFFICIENT
AND SUSTAINABLE
WORLD.**

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.
The information contained is reference values.