



# Who we are

May 2015

# Agenda

## **Brevini Power Transmission**

Power Transmission within Brevini Group

Company overview

Market Sectors

Main figures

Technologies

Global reach

Industrial footprint



## **Brevini Gear System**

## **Brevini Fluid Power**

# Power Transmission within Brevini Group



10 PRODUCT  
TECHNOLOGIES

420 MILLION EURO  
CONSOLIDATED TURNOVER

2.500 EMPLOYEES  
WORLDWIDE



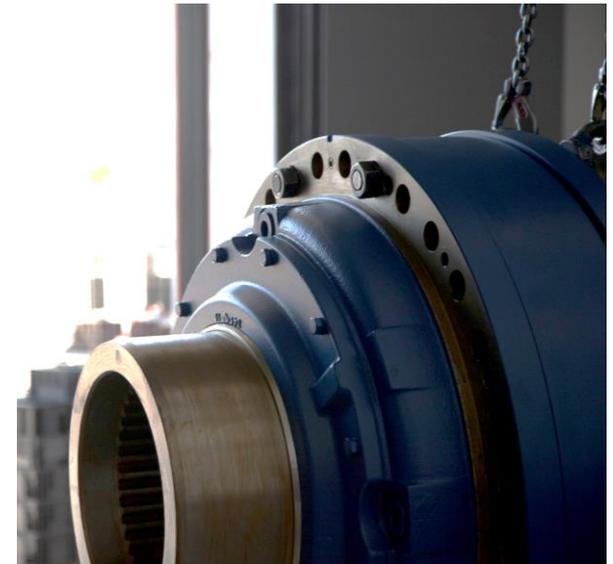
Brevini Power Transmission is part of Brevini Group, together with Brevini Fluid Power and Brevini Gear Systems. These legal entities are independent but strongly interlinked, creating a full portfolio of propositions and enabling Brevini to successfully play in different sectors.

# A journey 55 years long



Brevini Power Transmission is among the **world's top five manufacturers** in the sector of mechanical transmissions and gear drives, thanks to growing market shares in industrial applications (steel industry, plastics production, materials handling) and in innovative systems such as wind turbines, waste recycling plants, and energy production. Brevini is a major player also in the mining sector and in marine technologies.

Established in **1960** by Renato, Luciano and Corrado Brevini, it was the **first Italian company to produce planetary gearboxes**.





One of the first Brevini's planetary gearboxes in advertising of the '60s



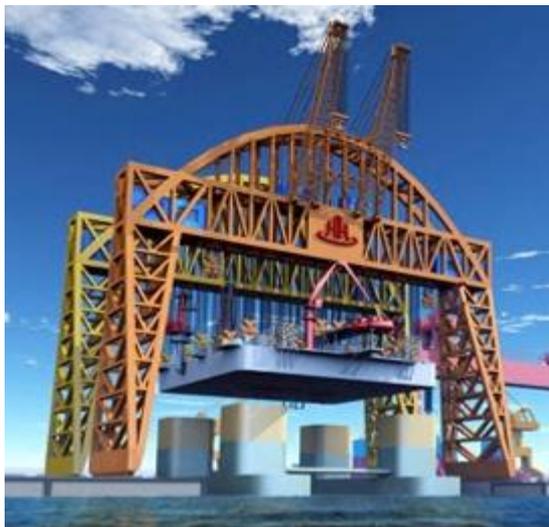
Current S series

Many ingredients can change overtime to make a recipe more and more tasty, but some others need to stay.

For Brevini, those are passion for **Products** and **People**.

The evolution of the core technologies and the related know-how spread around the world have had a key role in transforming in few decades an idea in a global multinational producing and selling more than **150.000 gearboxes per year**.





## Honghai Crane in Shanghai

Honghua Group is China's largest industrial group specialized in building platforms for the marine sector and off-shore drilling. It has launched the 'Honghai Crane' project for a 22,000 ton port crane in Shanghai, that will be eleven times more powerful than the largest existing mobile crane installed. 24 Brevini SLW winch drives will move twenty-four 65-ton winches. Each gear unit has a diameter of 1.1 meters, a height of 1.5 meters, and weighs 2,000 kilos.

## New Panama Canal's gates

The technology of Brevini Power Transmission Group from Reggio Emilia was chosen for the systems moving the gates that will allow maxi container ship to transit through the new Panama Canal. Brevini will supply 34 in-line gear units; they must last for 35 years without fail, for a total of over 57,000 work hours.



# Focus on customers: developing their full potential

My vision as an entrepreneur and President of Brevini Power Transmission is clear:

*“To be a global leader in customer satisfaction.”*

This concept guides all of our company activities and is expressed in our MISSION:

*“We help our customers effectively use power transmissions to improve industrial production and the performance of self-propelled machinery.”*

We help our business partners develop their full potential. Our mission is profoundly rooted in our heritage and in our ethical and cultural principles.

**Renato Brevini**

President

Brevini Power Transmission



# Market Sectors

Heavy Duty



Marine



Hoisting



# Market Sectors

Mobile



Green Tech



Plastic  
Rubber



# Heavy Duty: specific applications



Mining and mineral processing



Bulk materials handling and storage



Tunnel boring machines



Steel and metals



Cement plants



Sugar mills and plants

# Marine: specific applications



Vessel cranes



Port cranes



Container handling



Deck equipment



Propulsion systems



Oil & gas industry

# Hoisting: specific applications



Mobile cranes



Construction cranes



Industrial handling and hoisting



Drilling machines



Construction vehicles



Agricultural machines



Undercarriages



Utility vehicles

# Green Tech: specific applications



Wind turbines



Tidal generators



Waste management



Recycling equipment



Feeder Mixers and Biogas



Water treatment



Extrusion equipment



Injection molding machines

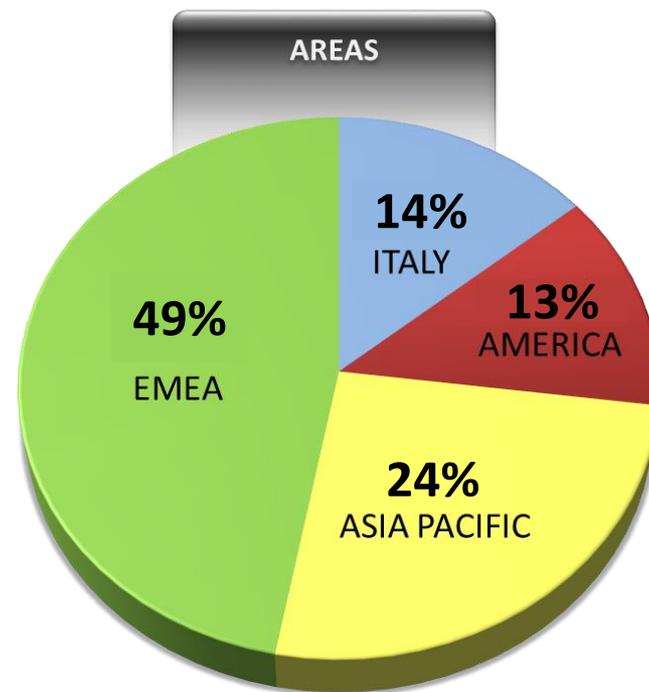


Bending roller plants

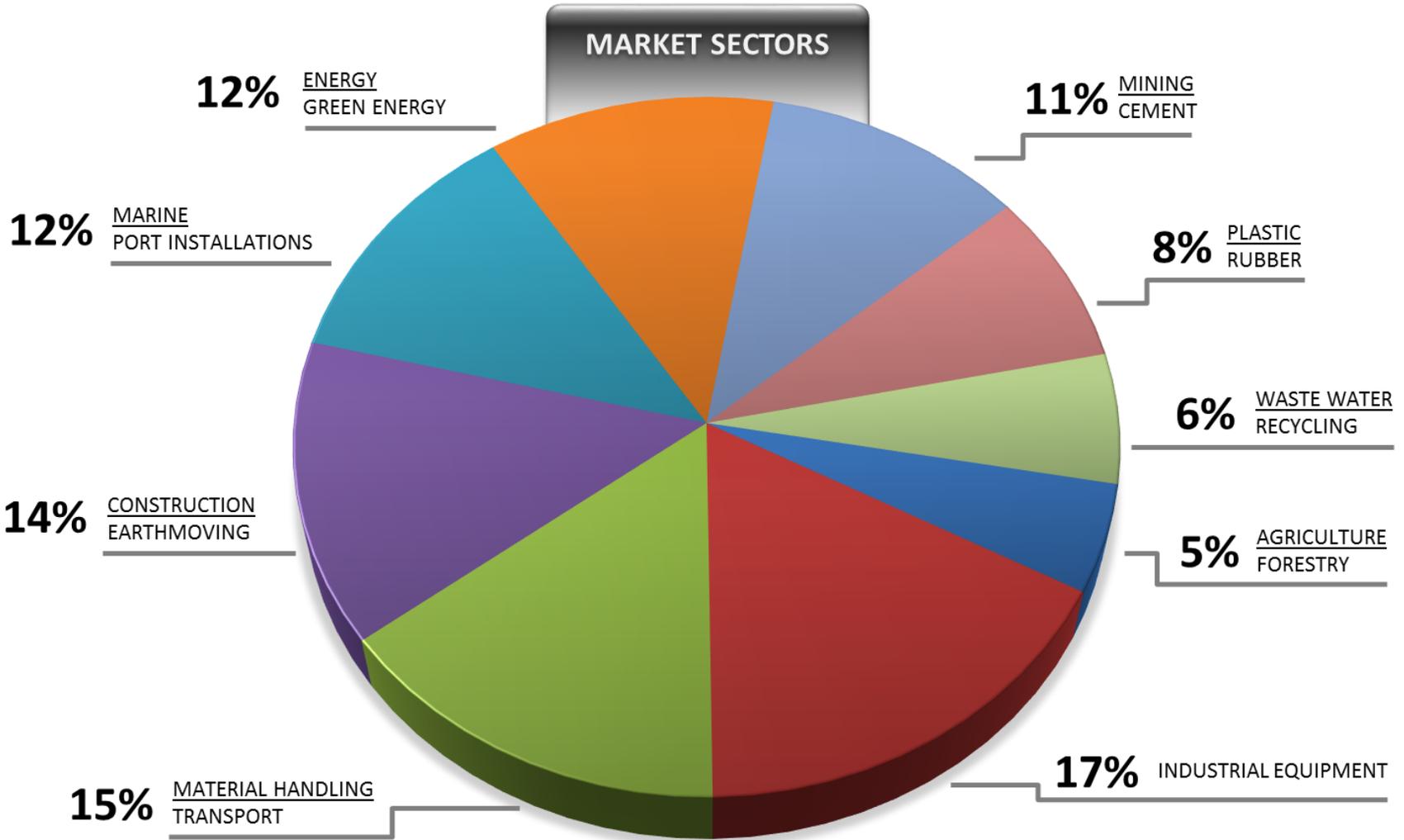


Rubber mixers

# Turnover - Brevini Power Transmission

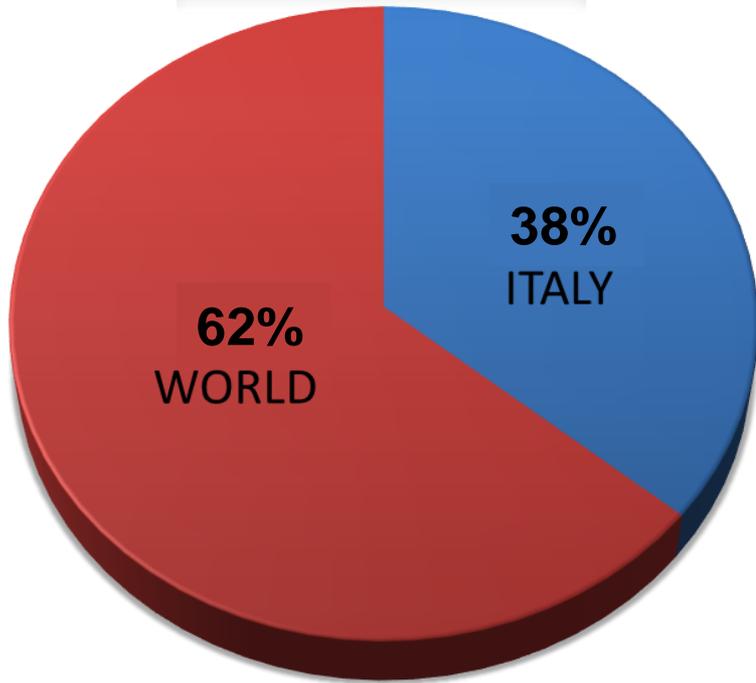


# Sales by sector - Brevini Power Transmission

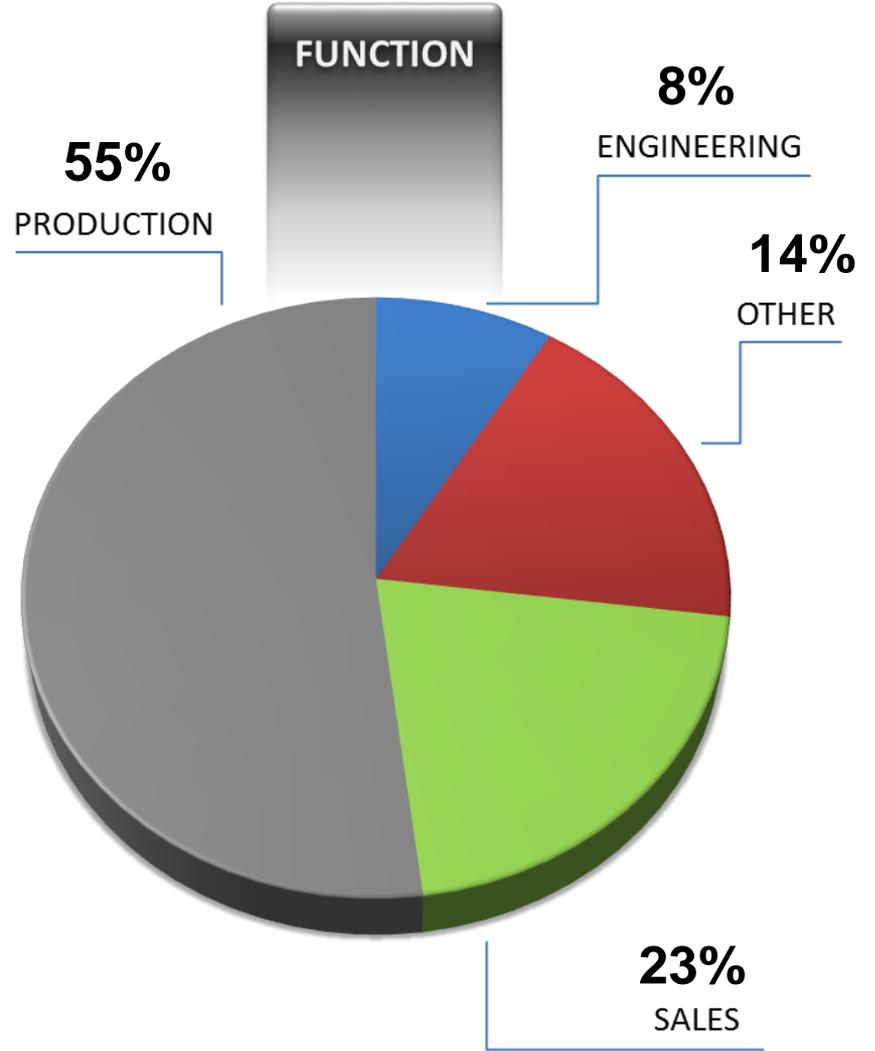


# People - Brevini Power Transmission

HUMAN RESOURCES

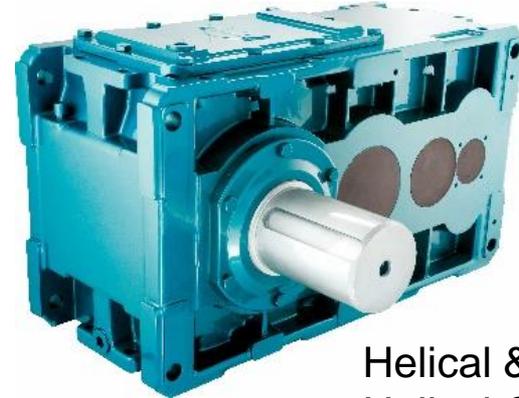


FUNCTION





Planetary Gearboxes



Helical & Bevel Helical Gear Units



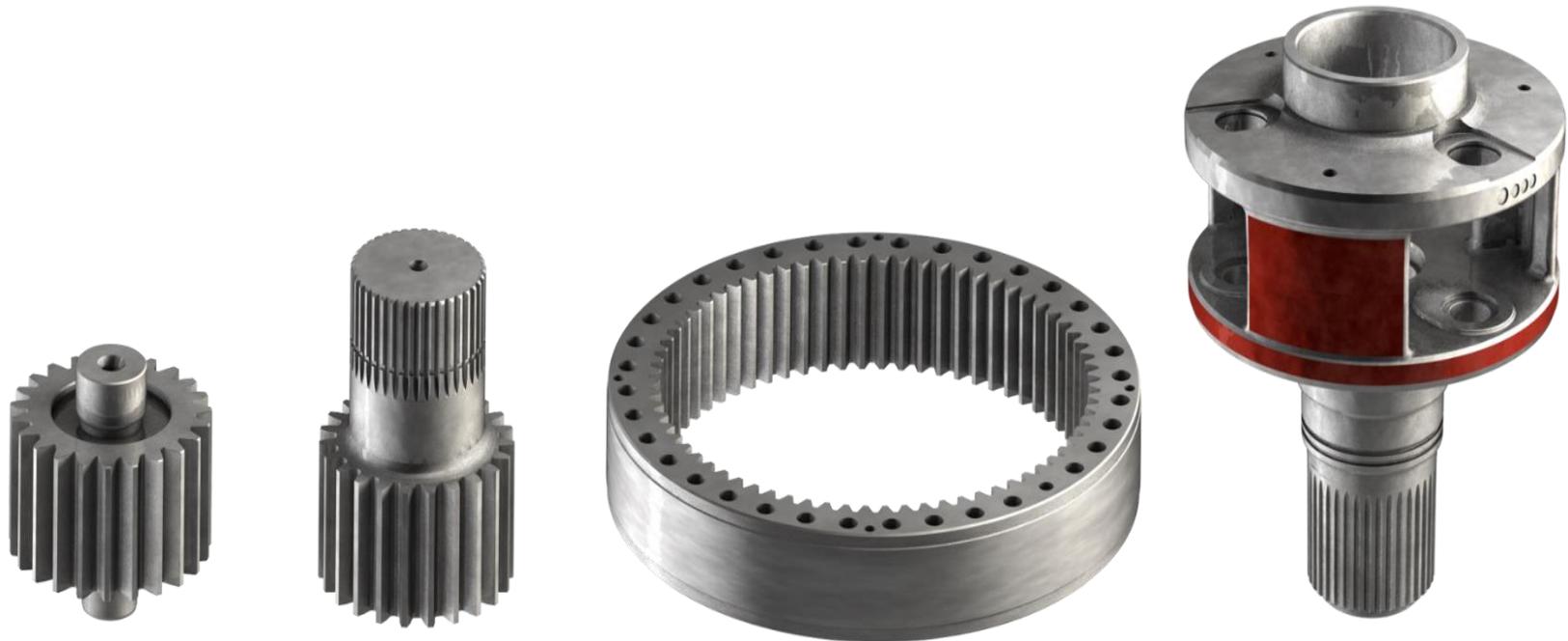
Hoisting & Recovery Winches



Compact Gearboxes

The “heart” of the product is manufactured in-house: Brevini has 50 years of experience in gear working.

Only few non-strategic steps of the production process are outsourced to qualified and certified contractors.





## ISO 9001:2008 CERTIFIED QUALITY MANAGEMENT SYSTEM

Brevini received ISO 9001 certification for its Quality System in compliance with standard ISO9001:2008.



## DNV TYPE APPROVAL

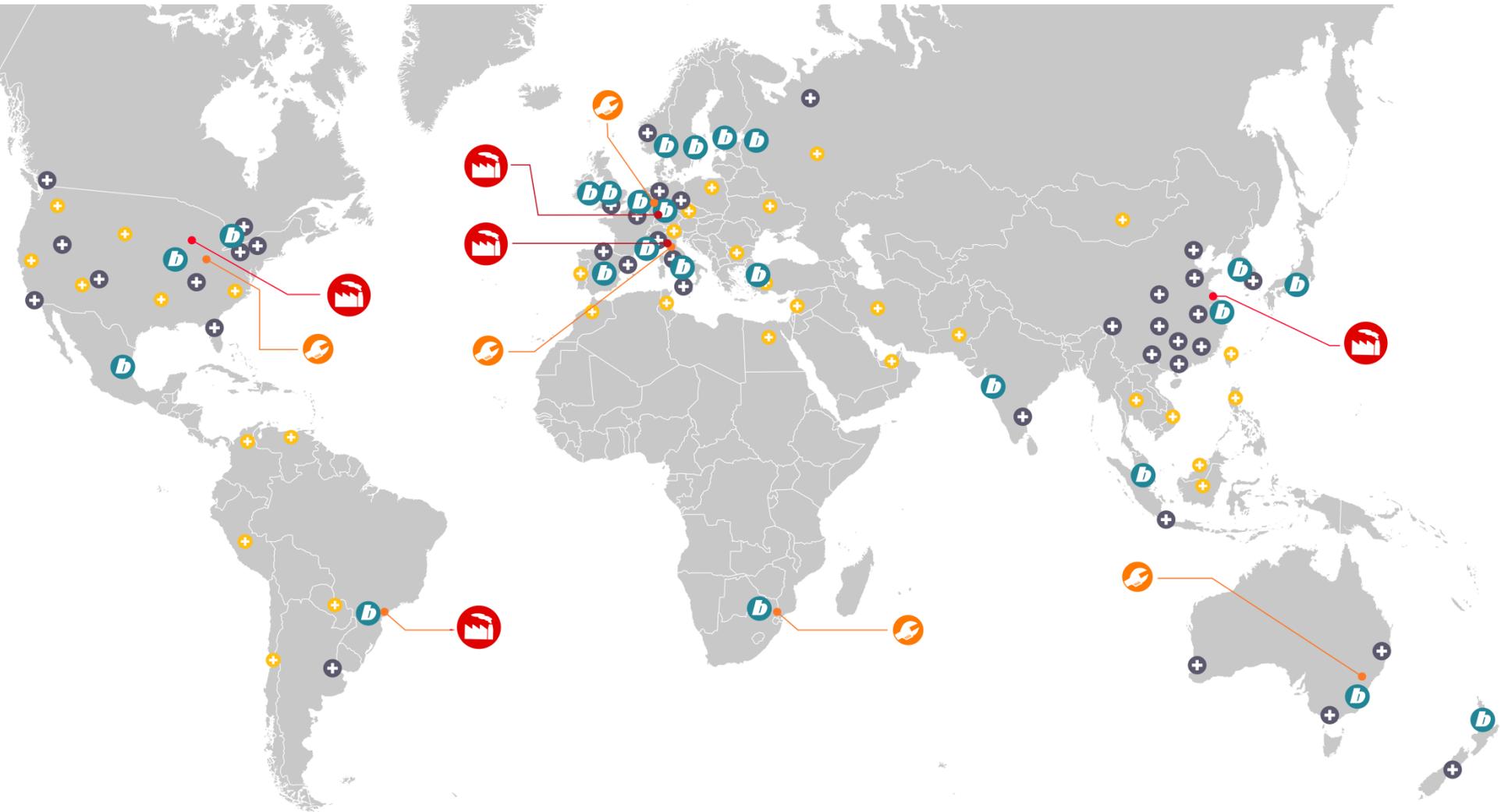
Brevini obtained DNV Type Approval according to Lifting and Drilling Rules for Industrial planetary gearboxes, Slewing Drives and Winch Drives, all for operating temperatures down to -20°C.



## ABS PRODUCT DESIGN ASSESSMENT

Brevini obtained ABS Product Design Assessment according to Lifting and Drilling Rules for Industrial planetary gearboxes, Slewing Drives and Winch Drives, all for operating temperatures down to -20°C.

# Global reach



 MANUFACTURING PLANT

 SALES & ASSEMBLY SUBSIDIARY

 ENGINEERING & SERVICE CENTRE

 SALES REGIONAL OFFICE

 AUTHORIZED DISTRIBUTOR

# Brevini Power Transmission Headquarters



**TOTAL AREA 83.000 SQM  
33.000 SQM COVERED**

WORKSHOP	24.300 m <sup>2</sup>
OFFICE	6.500 m <sup>2</sup>
SERVICE	1.480 m <sup>2</sup>
ENGINEERING	1.400 m <sup>2</sup>



# Reggio Emilia plant (Italy)



# Yancheng plant (China)



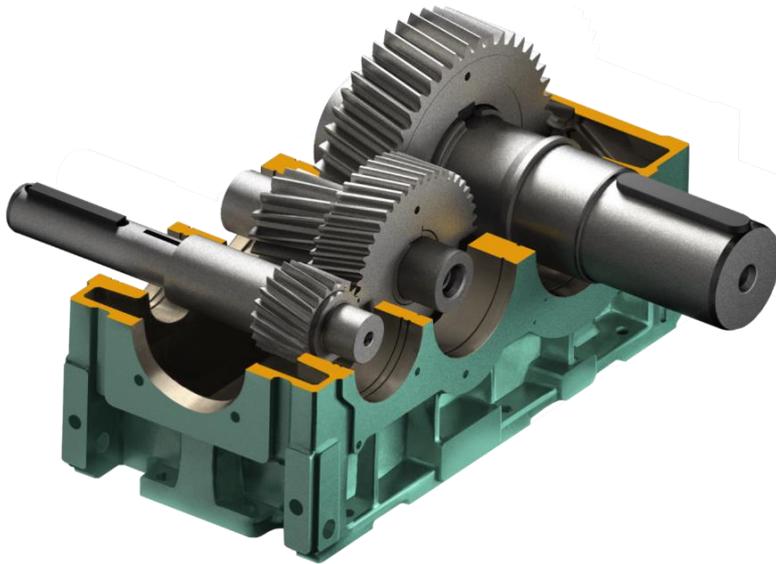
Fully integrated production



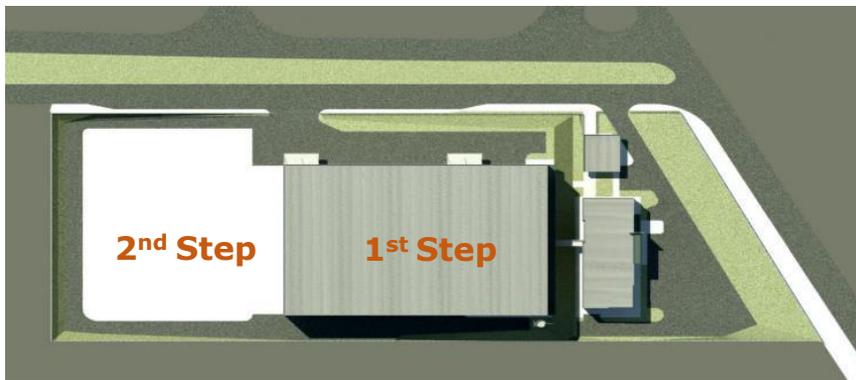
# Bad Homburg plant (Germany)

# PIV

85 years of experience in providing high quality power transmission solutions, that meet the needs of every industrial sector.



# Limeira plant (Brasil)



Total Covered Area 10.300 m<sup>2</sup>

Offices 1.650 m<sup>2</sup>

Production Area 4.900 m<sup>2</sup> 1st step  
3.750 m<sup>2</sup> 2nd step

# Brevini Gear Systems



# Brevini Gear Systems



**The Passion for Manufacturing Large Precision Gears for any Industrial Application is our Core Competency**



Brevini Gear Systems offers innovative solutions to complex geartrain challenges with state-of-the-art technologies in engineering, manufacturing and validation.

Born on the commitment to meet all technical, quality and delivery requirements for R&D, quality assurance, whatever serial production or remanufacturing.

# Brevini Gear Systems

## Planet Gears, Helical Gears, Sun Pinions, Large Gearshafts

Max Diametral Pitch 0.75

Max Module 35

Max Outside Diameter 1730 mm [68.10"]

Max Face Width 1000 mm [40.00"]

Precision (AGMA) 2015-1-A01 Grade A3

Precision (DIN) DIN-3962 Quality-4

Heat Treatment: Carburizing, Nitriding,  
Induction Hardening



# Brevini Gear Systems



## Large Precision Internal Ring Gears Capabilities

Max Diametral Pitch 0.85

Max Module 30

Max Outside Diameter 2400 mm [94.50"]

Max Face Width 1000 mm [40.00"]

Precision (AGMA) 2015-1-A01 Grade A3

Precision (DIN) DIN-3962 Quality-4

Heat Treatment: Carburizing, Nitriding,  
Induction Hardening

# Brevini Fluid Power



# Brevini Fluid Power: range overview



- ORBITAL MOTORS AND MOTOR-GEAR UNITS
- ORBITAL POWER STEERING UNITS
- AXIAL PISTON PUMPS AND MOTORS
- VALVES AND ACCESSORIES



- PROPORTIONAL VALVES WITH INTEGRATED ELECTRONICS
- JOYSTICKS



- MONOBLOCK AND MODULAR HYDRAULIC VALVES
- GEAR PUMPS



# Brevini Fluid Power: range overview



- MODULAR MINI POWER PACKS
- FLUID POWER COMPONENTS



- DIRECTIONAL, PRESSURE AND FLOW CONTROL
- MODULAR, CARTRIDGE, BANKABLE AND IN LINE VALVES
- ELECTRONIC SYSTEMS FOR MOBILE VEHICLES



- GEAR PUMPS AND FLOW DIVIDERS



- ELECTRONIC CONTROL SYSTEMS





**Thank you**