

## Company overview



**Power, control  
and green solutions**

# Contents

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## Bonfiglioli at a glance

- From the founder
- Mission and Vision
- Bonfiglioli Worldwide
- Best Bonfiglioli
- Key milestones
- Organization Chart
- Solutions
- Service
- Financial highlights
- Value Creation

# From the founder



"I must admit that we have made great progress in just fifty years.

Our company has seen impressive growth and our products have won recognition for their quality worldwide.

If I had to do it all again, I'd do it exactly as I did the first time round, because I had the full backing of management, my employees and my family.

My wife and my children have always given me their full support, even in the most difficult times.

They have always encouraged me to carry on.

I have built up this company not just for my own satisfaction but for the future, for my family and for my employees, and to see our name, our brand, succeeding.

So it's still full speed ahead!"

April 2006 on the occasion of company's Fiftieth Anniversary

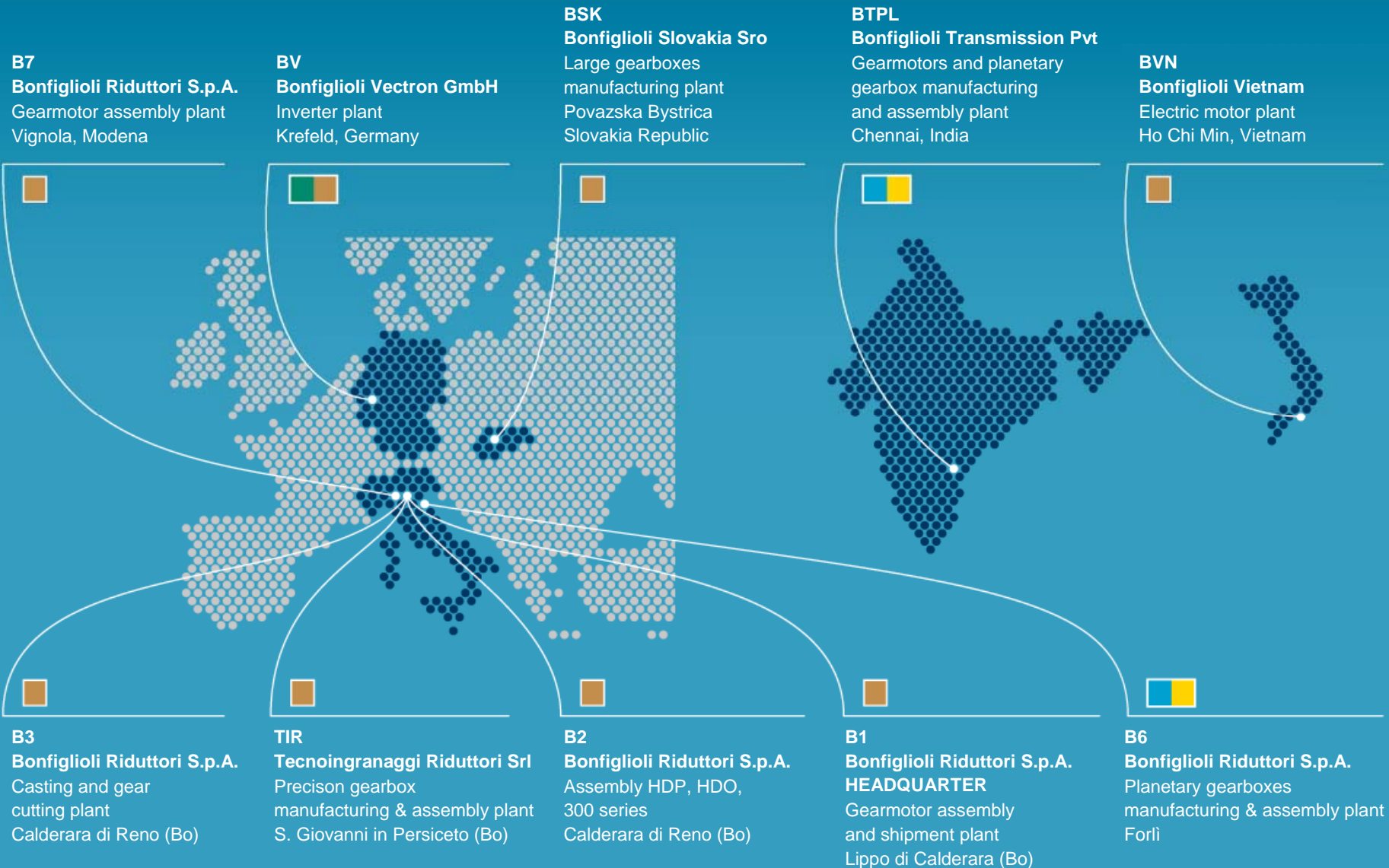
  
Clementino Bonfiglioli

## Mission and Vision

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**Designing and manufacturing innovative and reliable solutions for power transmission and control in the industrial, mobile and renewable energy sectors. Encouraging and promoting sustainable development shared worldwide, through a dynamic, responsible, prompt and customer-oriented service.**

# Bonfiglioli Worldwide: Production Facilities



 BU Industrial

 BU Regenerative & Photovoltaic

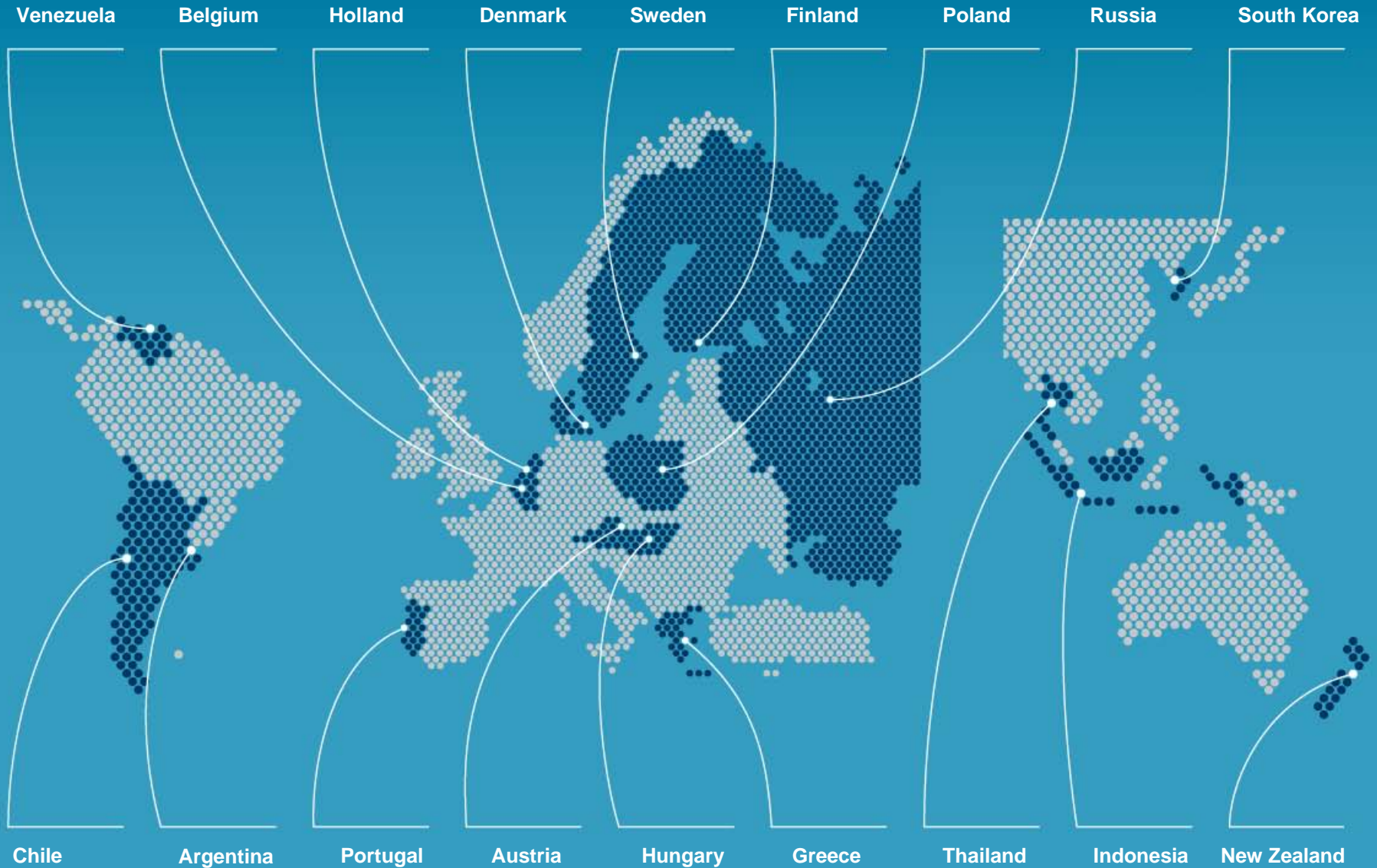
 BU Wind & Mobile



# Bonfiglioli Worldwide: Branches



# Bonfiglioli Worldwide: Distributors





# BEST Bonfiglioli Excellence Services Team

Bonfiglioli BEST is a team of highly qualified, preferred trade partners with whom Bonfiglioli works in Italy and abroad. Bonfiglioli offers an excellent package of products and services through its BEST partnership.





# Key milestones



**1956**

Bonfiglioli is founded in Bologna by Clementino Bonfiglioli.



**1964**

The RAE series dual-stage planetary gear unit is designed and patented.



**1975**

Acquisition of Trasmital, a manufacturer of planetary gear units for diggers, road pavers and wind turbines.



**1982**

Bonfiglioli implements a strategy of internationalisation, leading to the opening of subsidiaries worldwide.



**1993**

Bonfiglioli obtains both DNV and TÜV Quality System Certification.



**1995**

The innovative modular C-A-F series are showcased at Hanover, accelerating the decentralisation of production to local subsidiaries.



**1999**

The Bonfiglioli Transmission Pvt Ltd factory is opened in Chennai, India.



**2000**

Launch of Mosaico, Bonfiglioli's innovative e-commerce portal.



**2001**

Through the acquisition of Vectron, Bonfiglioli gains a foothold in the electronics sector for motion control systems.



**2002**

Bonfiglioli sets up a network of qualified distributors in Italy and abroad with the Best brand.



**2003**

Acquisition of Tecnoingranaggi, a manufacturer of low backlash gear units



**2005**

Construction of the first of three factories begins in the Slovak Republic.



**2006**

Bonfiglioli celebrates its 50th anniversary: confirmation of the company's success.



**2007**

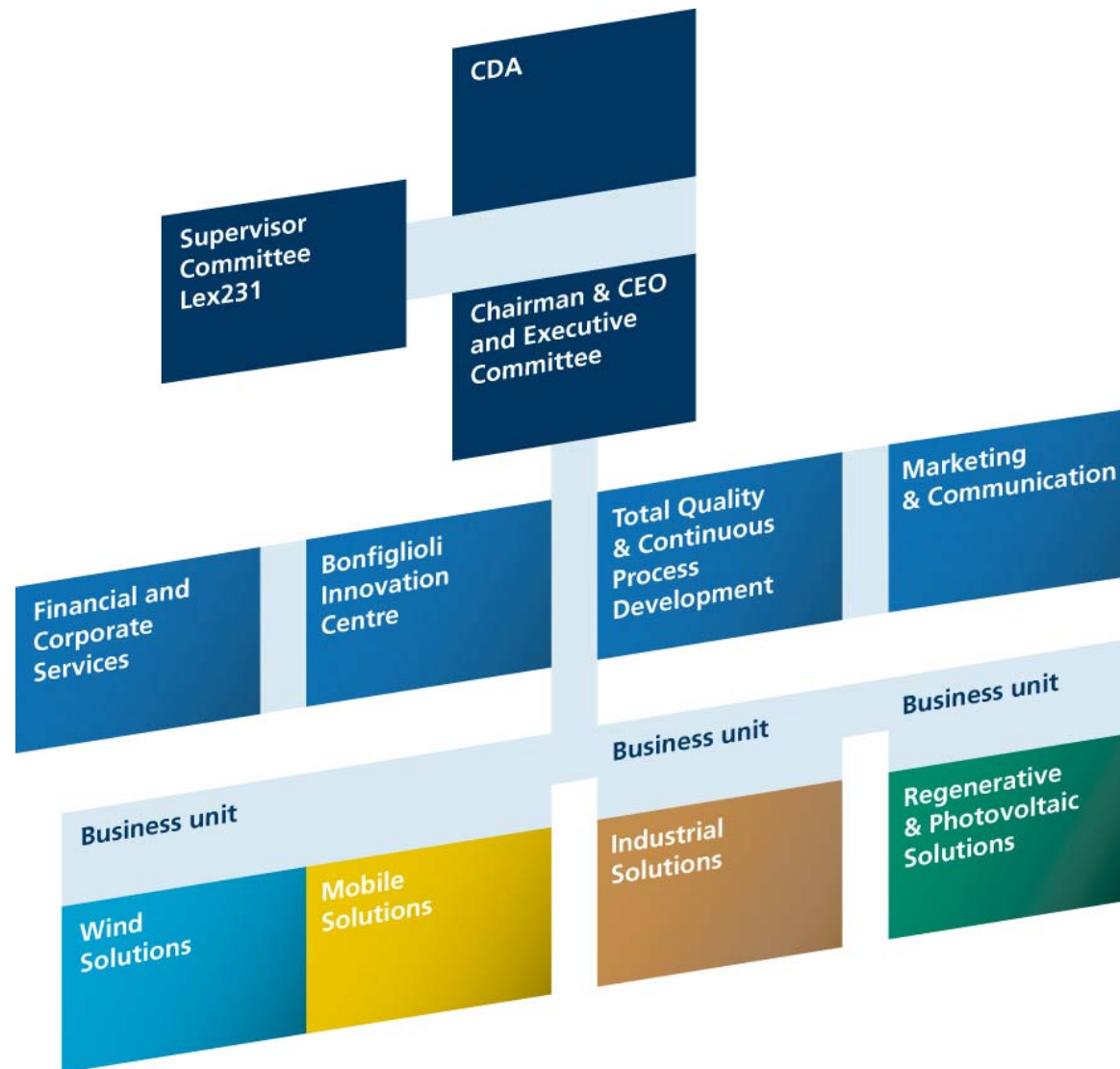
Bonfiglioli Italia SpA assumes direct control of the Italian market.



**2008**

The Bonfiglioli Vietnam Ltd factory is opened in Ho Chi Minh City, Vietnam.

# Organization chart



# Main application sectors



# Bonfiglioli

power, control and green solutions

Wind  
Solutions

Mobile  
Solutions

Industrial  
Solutions

Regenerative  
& Photovoltaic  
Solutions

# Industrial Solutions





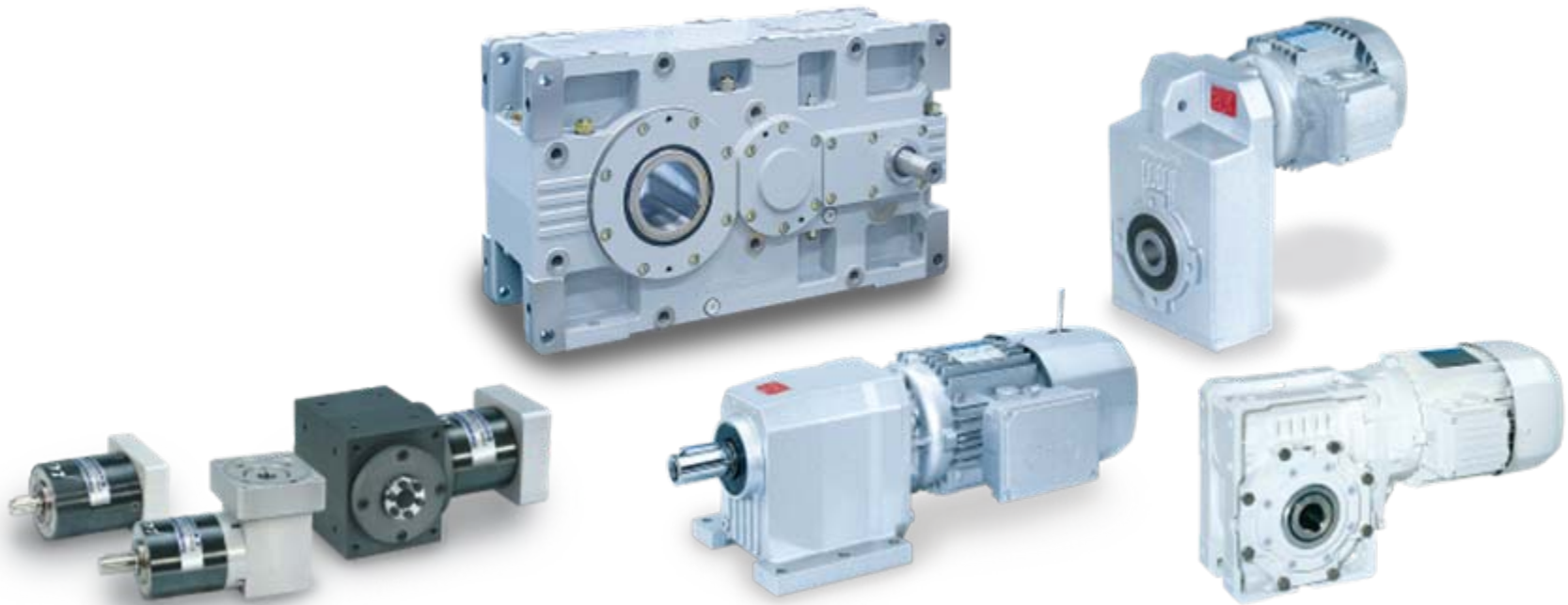
# Industrial application sectors

- Air conditioning plants
- Aerospace plants
- Automation plants
- Bio fuel energy
- Bottling lines
- Ceramics industry
- Port machinery
- Conveyors
- Chemical and Pharmaceutical
- Dosing systems
- Food industry
- Foundries and forgeries
- Packaging lines
- Painting plants
- Palletisers
- Plastic and rubber processing
- Printing industry
- Textile industry
- Treatment plants
- Wood processing
- Heavy industry



## Gearmotors for industrial applications

- In-line helical gearmotors
- Worm gearmotors
- Helical bevel gearmotors
- Parallel shaft gearmotors
- Right angle units
- Shaft-mounted gearmotors
- AC three-phase motors
- DC motors
- Low backlash planetary gearboxes



## Motion control systems for industrial applications

- Open loop inverters
- Closed loop inverters
- Servo motors and drives



# Industrial sector references



# Regenerative & Photovoltaic Solutions



# Photovoltaic application sectors

- Ground solar plant
- Roof solar plant



# Photovoltaic products

## Inverters and systems for photovoltaic applications

- Open loop inverters
- Closed loop inverters
- Solar system
- Gearmotors for solar tracking





# Photovoltaic sector references



6 MW · ABASTE, El Bonillo. Albacete, Spain.



46 MW · RENOVALIA, Puertollano, Spain.  
**One of the biggest solar fields in Europe!**



600 kW · Photovoltaic installation on the roof, Bavaria, Germany.



70 MW · SUNEDISON, Rovigo, Italy.  
**The biggest solar field in Europe!**



20 MW · SKYGLOBAL, Espejo, Cordoba, Spain.



5 MW · G.E.S., Valverdon, Salamanca, Spain.



# Mobile Solutions



# Mobile application sectors

- Agricultural machinery
- Cement mixers
- Cement mixer trucks
- Construction cranes
- Drilling machinery
- Wind generators
- Excavators
- Extractive industry
- Hydraulic winches
- Hydrostatic machinery
- Lifting platforms
- Mini excavators
- Mobile cranes
- Port equipment
- Tyred wheel loaders



## Planetary gearboxes and inverters

- Gearboxes for earth-moving machinery



# Mobile sector references



# Wind Solutions



# Wind application sectors

- Wind turbines
- Offshore wind farms



## Planetary gearboxes and inverters

- Gearboxes for wind turbines: yaw and pitch drives
- Inverters





# Wind sector references



# Wind application references: Alpha Ventus

On 2010, April 29<sup>th</sup>, **Alpha Ventus** was opened, being one of the world's largest offshore wind farm, located 45 km off the German island of Borkum on the North Sea.

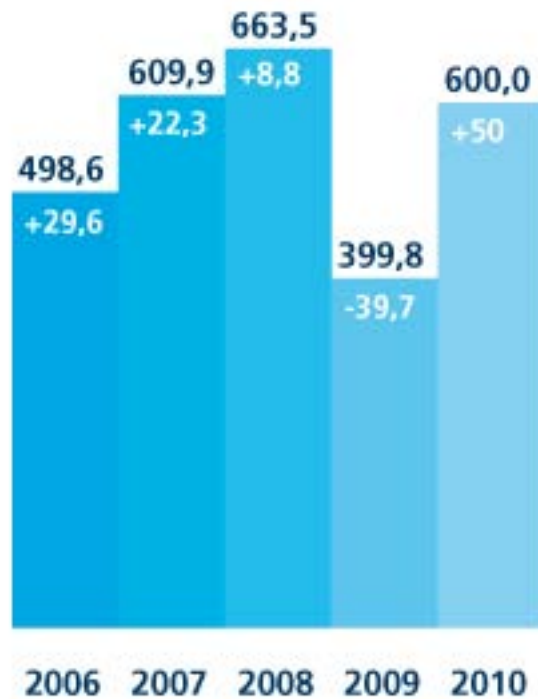
It has 12 wind towers, their height ranging between 148 and 155 meters, each generating 5MW.

Bonfiglioli was chosen as the preferred partner to supply yaw and pitch drives that enable to move the tower top and blades according to wind direction. The wind farm requested highly reliable and performing components, because of its position and high power. Bonfiglioli was therefore the perfect choice, also because it's been working in the field since 1985, becoming world leader with a 30% market share.

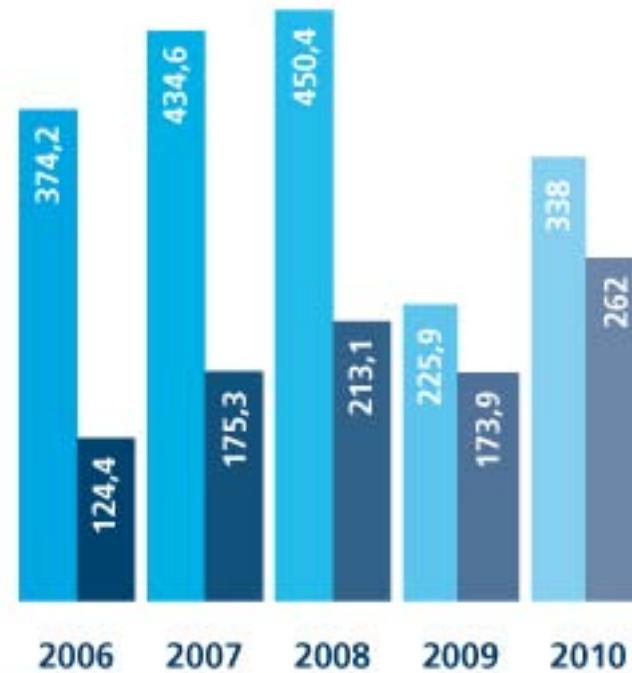


# Financial Highlights

**Group sales**  
euro / million



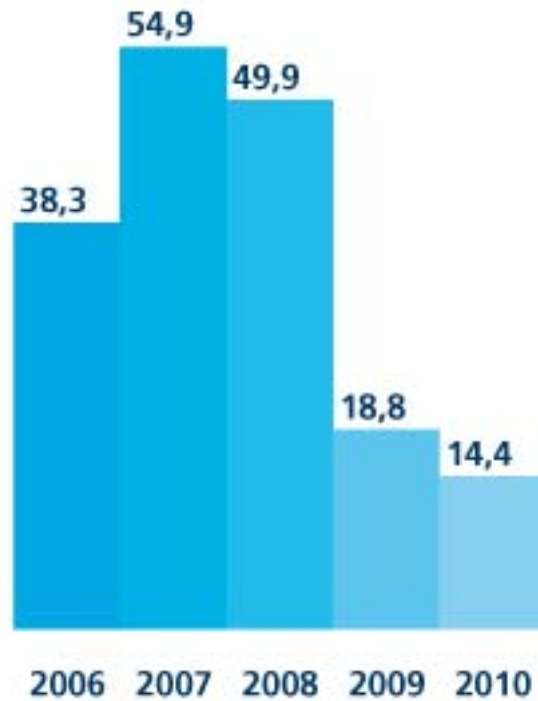
**Sales by Geographical area**  
euro / million



■ Europe  
■ Overseas

# Financial Highlights

**Net Investments**  
euro / million



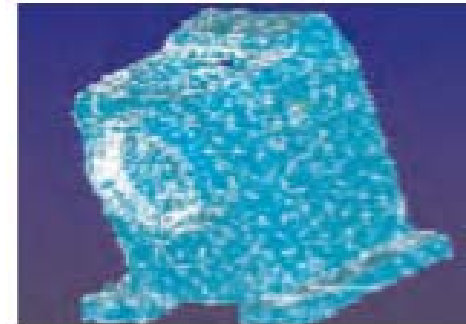
**Number of employees**



■ Capogruppo  
■ Controllate

# Research & Innovation

- **Over 12 million Euros** of global investment in R&D
- **Over 100 employees** in R&D
- **5** research labs
- **Academic collaborations:**
  - Modena
  - Bologna
  - Aachen
  - Chennai
  - Shanghai





# Dedication to Quality

Each Bonfiglioli factory can boast a European record of **quality system certification** from seven different, internationally recognised authorities.

Since March 2003 all Bonfiglioli factories have **ISO 9001/2000** (VISION) certification.



DNV



TUV



ATEX



CSA\_US



UR



RoHS



CERMET



CCC



PCT



# Full service in Italy and worldwide



# The Future

We grow respecting others and our environment, taking on interesting and even difficult challenges to better ourselves and the world.

CEO

Sonia Bonfiglioli





Thank You!