

# Gear Day – May 24<sup>th</sup> 2018

Paolo Cominetti - Bonfiglioli Product Research Center



*Forever Forward*



# Bonfiglioli: 60 years of evolution thought product innovation

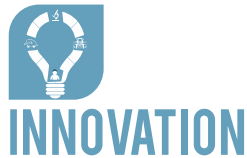
## A global player

• Revenues	800 M€
• Employees	~3700
• Country of Presence	17
• Production Facilities	13

## Full liner for multiple applications



## Our 4 strategic pillars



# Our impact

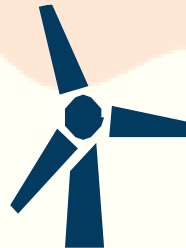


**Serves more industries and applications than any other drive manufacturer**



## Over 1 million

gearboxes and gearmotors manufactured per year



## Market Leader

1 in 3 wind turbines has a Bonfiglioli gearbox

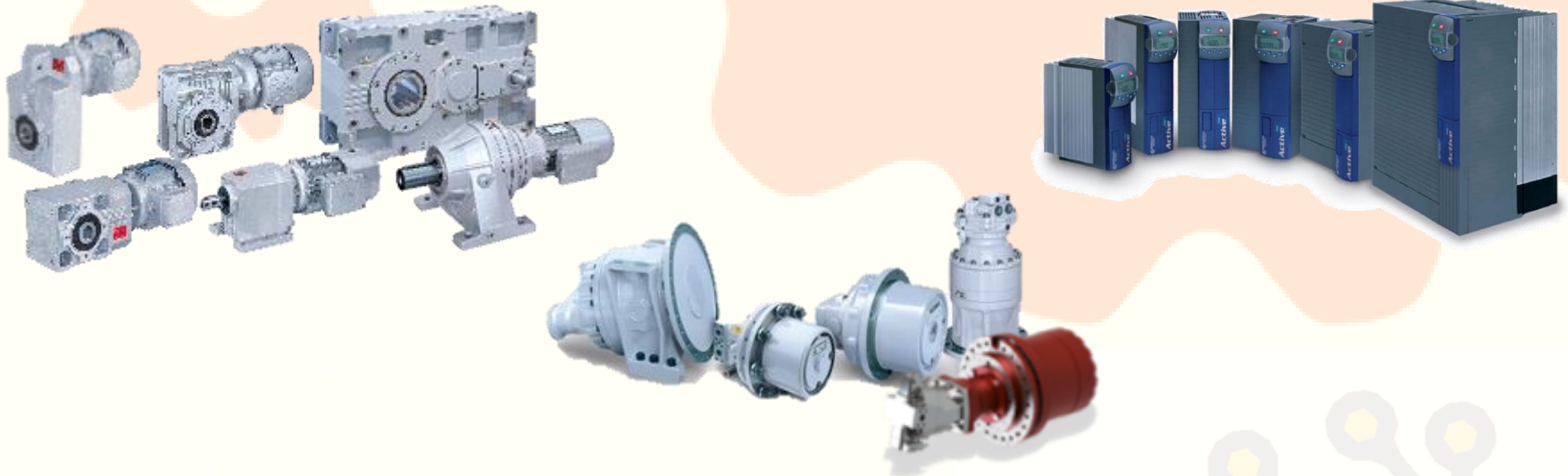


## Widest range

of final drives on the market

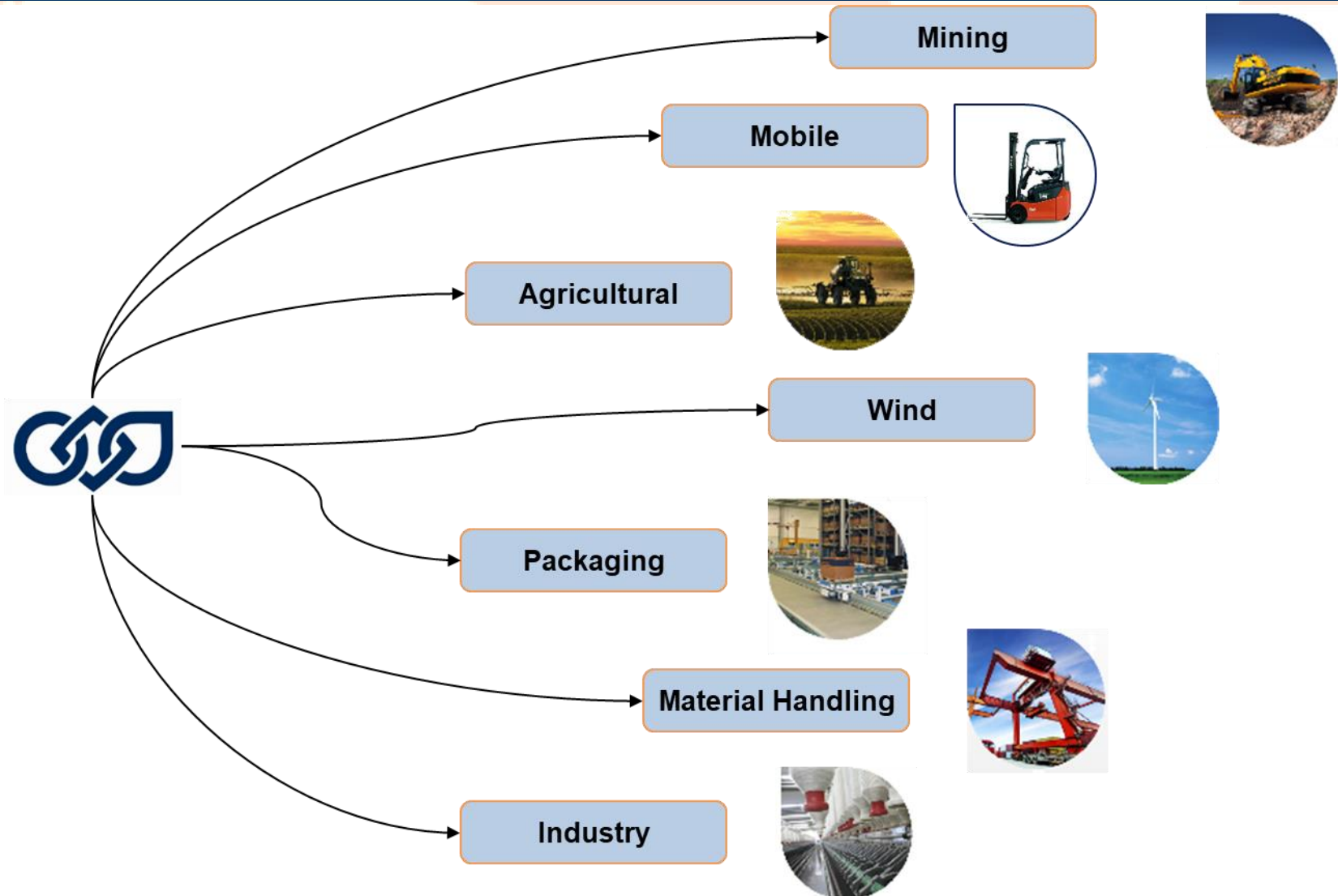
# Our Strength: a completely integrated product portfolio

Power + Drive + Control



Unlimited possibilities  
Unlimited configurations for any type of application in any market

# Bonfiglioli aims to promote high content CM solutions selecting key players for each one of its main industrial sectors



# Bonfiglioli support into MetAGEAR Project



## OR Target

## Bonfiglioli support

Tools &  
Methodology

**OR2:** Gearbox NVH optimization with parametric models

Gearboxes, test bench, personnel, GB technical data

Materials & surface treatments

Activity in progress  
FEM analysis, parametric models definition and test bench correlation completed.

Process technologies



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## OR Target

## Bonfiglioli support

Tools & Methodology

**OR2:** Gearbox NVH optimization with parametric models

Gearboxes, test bench, personnel, GB technical data

Materials & surface treatments

**OR3:** Gear surface treatments & coatings

Gears, comparative life/ durability tests on full gearbox

Process technologies

Activity in progress  
Characterization tests on materials and coatings on physical samples in progress

Next activity : planetary gearbox durability test on “best solutions” identified

# Bonfiglioli support into MetAGEAR Project



## OR Target

## Bonfiglioli support

Tools & Methodology

Activity in progress production cycles under definition and testing with robotized unit in progress.

Materials & surface treatments

Process technologies

**OR 4:** Robotized assembly process with high flexibility

Gearboxes, GB assembly doc., support for tests



# Thank you



**Bonfiglioli**  
*Forever Forward*

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