

WIKOV.COM

Wind Turbine Gearboxes

RELIABLE, LIGHT WEIGHT
FLEXIBLE PIN GEARBOXES
FOR WIND ENERGY MARKET



Super-High Power Density
200+ Nm/kg



01

FLEXIBLE PIN TECHNOLOGY – SINCE 1987 IN WIND APPLICATION

- Robust field-proven technology 50+ years of operation in variety of applications, 35+ years in wind turbine application
- Resulting in increased torque capacity while reducing size and weight
- Better safety factors and lifetime of gears and bearings
- Suitable especially for applications with high load peaks and large deformations of surrounding structure
- Can be used with helical gears
- Compact dimensions

02

MULTISATELLITE ARRANGEMENT – SINCE 1987

- High power density solution
- Equal load distribution

03

INTEGRATED PLANET BEARINGS – SINCE 1987

- Fully proven technology used for more than 35 years
- Field proven solution from 0.7 MW to 7.7 MW

04

JOURNAL BEARINGS – SINCE 2007

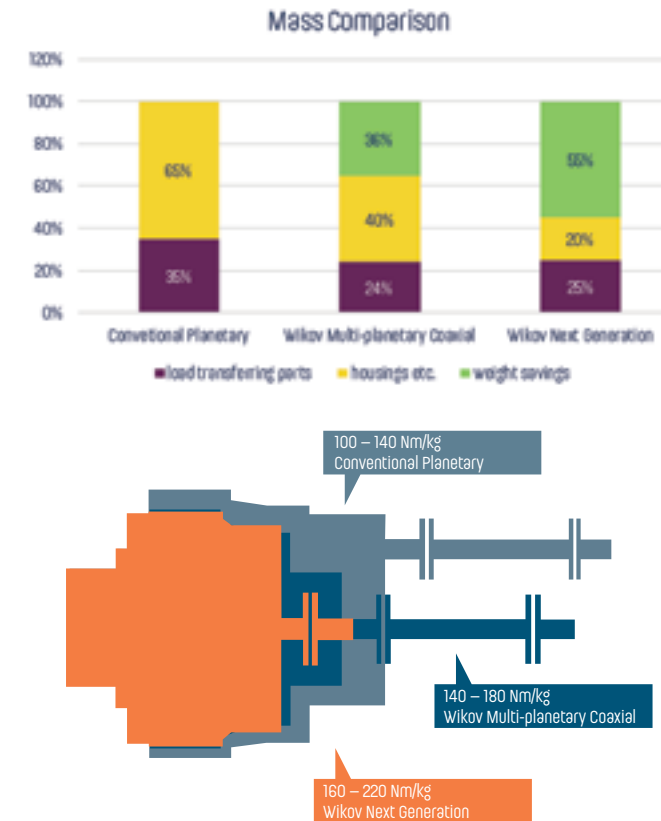
- Field proven solution for wind turbine gearboxes - with zero failure rate until now



Reliable & super-high power density drive train solutions for all wind conditions, from onshore to offshore, from cold climate to hot climate, up to 15 MW

KEY TECHNICAL FEATURES:

- Super-High Power Density



WIKOV - THE ESSENCE OF ENGINEERING

- Rapid prototyping
- In-house full load test facility including cold climate chambre
- Third party certification such as GL DNV, Dewi OCC, and others
- Gear manufacturing tradition since 1918
- Aftermarket services including repairs,
- Full load testing capability
- Aftermarket services such as repairs, preventative maintenance, inspections and overhauls
- WiGuard® - remote condition monitoring system



SL3000 – 3MW gearbox for onshore cold climate wind turbine



W3000 – 3MW gearbox with rotating casing for offshore wind conditions.



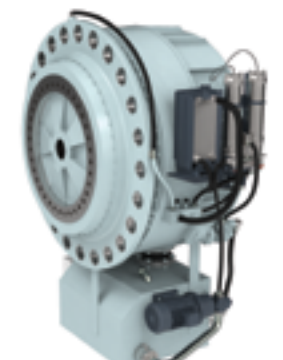
S3600 – 3.6MW gearbox for offshore wind turbines



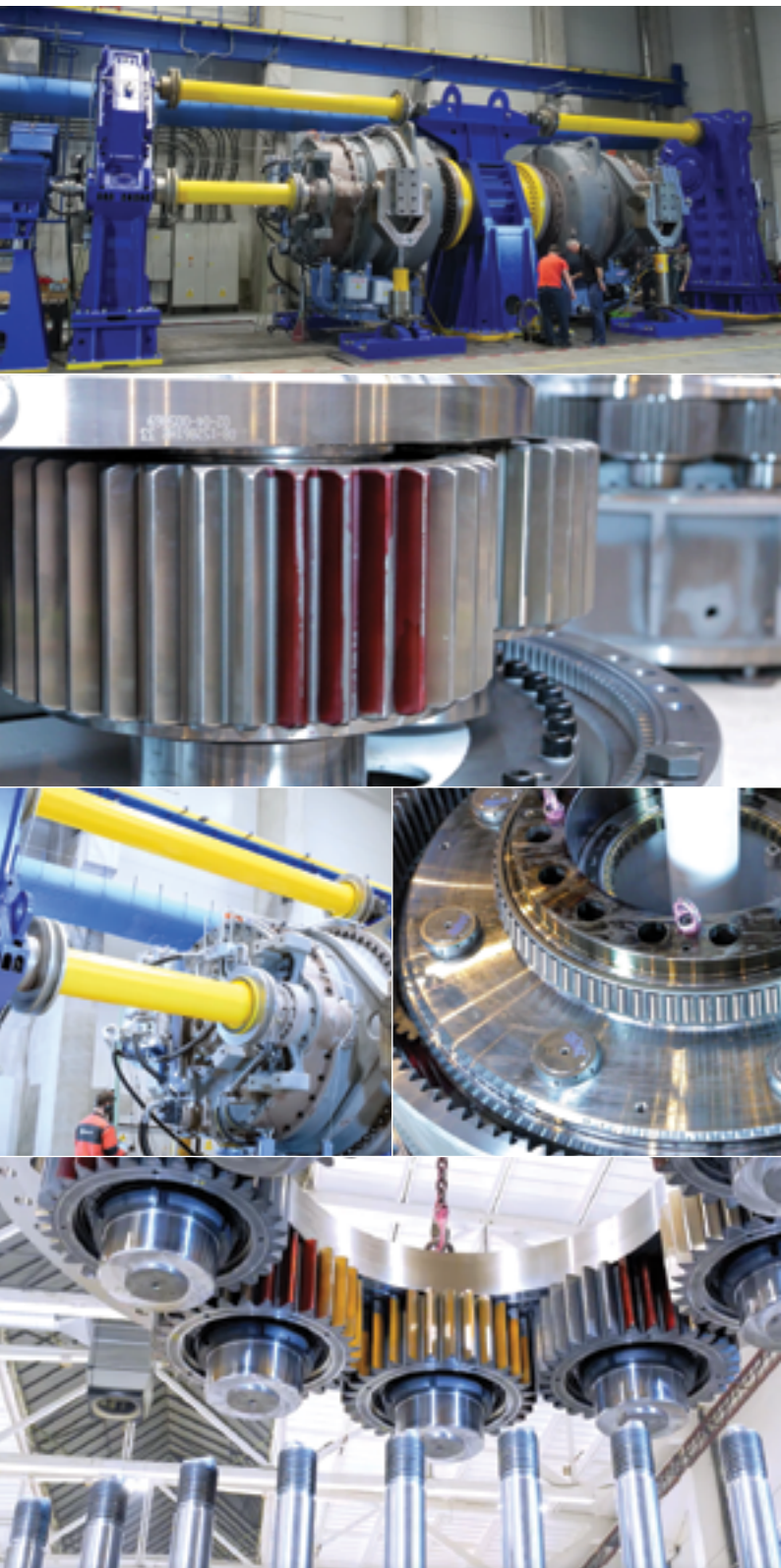
D5000 – 5.5MW gearbox for offshore wind turbine



A5000 – 5.7MW gearbox for offshore wind turbines



Super-High Power Density 15MW coaxial gearbox



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Wikov Manufacturing Facility

Wikov designs, manufactures, supplies and services a full range of super-high power density drive solutions for wind energy market. We offer reliable, light weight flexible pin gearboxes – from 1 MW to 15 MW. Our solution saves significant costs and ensures high reliability of the complete drive train in your wind turbine. Our success is based on the experience we have gained over our nearly 140-year history, our international team of R&D specialists and our state of the art production technologies. These main pillars allow Wikov to engineer the best solution for you by maximising functional and economical parameters of your application.



The Essence of Engineering

