

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 for the full spectrum of wind conditions – from 1 MW to 10 MW+. Our field-proven flexible pin arrangement 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 in our 130 years 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.

Super-High Power Density Flexible Pin Gearboxes



Wikov Manufacturing Facility

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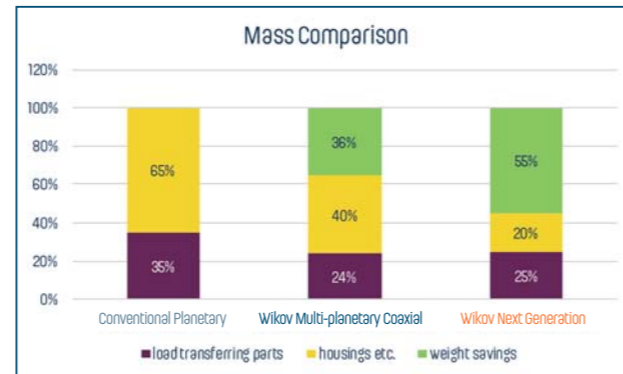
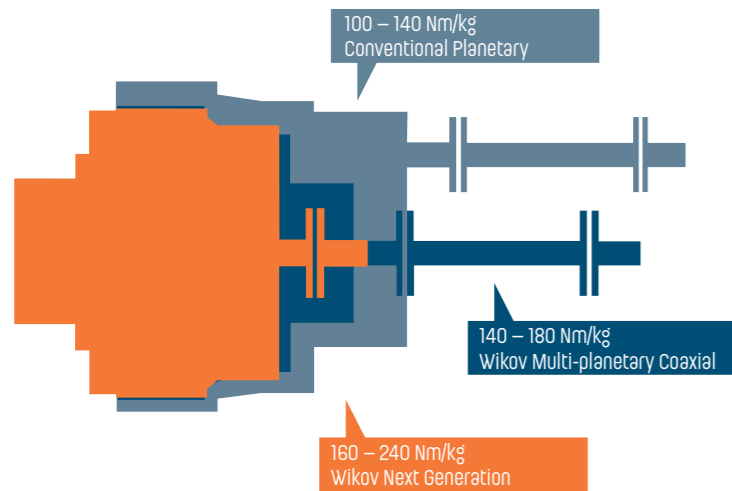


The Essence of Engineering

Reliable & super-high power density drive train solutions for all wind conditions, from onshore to offshore, from cold climate to hot climate, up to 10MW+

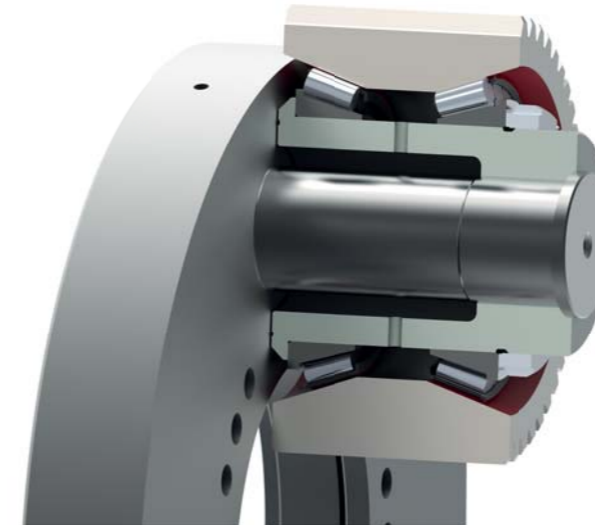
Key technical features:

Super-High Power Density



Integrated planet bearings – since 1987

- Fully proven technology used for more than 30 years
- Field proven solution from 0.7 MW to 7.7 MW



Multi-megawatt range – 10MW+

Onshore

- 2MW Series – W2000DF, W2000spg

Offshore

- 3MW Series – SL3000, W3000, S3600, D3000
- 5MW Series – D5000 (5.5 MW), A5000 (5.7 MW)
- 7MW Series – S7000 (7.7 MW)
- 10MW+ in development

Flexible pin technology – since 1987 in wind application

- Robust field-proven technology 50+ years of operation in variety of applications, 30+ 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



Multisatellite arrangement – since 1987

- High power density solution
- Equal load distribution

Journal bearings – since 2007

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



W3000 - 3MW gearbox with rotating casing for offshore wind conditions



S3600 - 3.6MW gearbox for offshore wind turbines



A5000 - 5.7MW gearbox for offshore wind turbines

Wikov – The Essence of Engineering

Rapid prototyping

In-house full load test facility including cold climate chamber

Third party certification such as GL DNV, Dewi OCC, and others

Gear manufacturing tradition since 1918

Aftermarket services including repairs, preventative maintenance, inspections and overhauls

Wiguard - remote condition monitoring system