



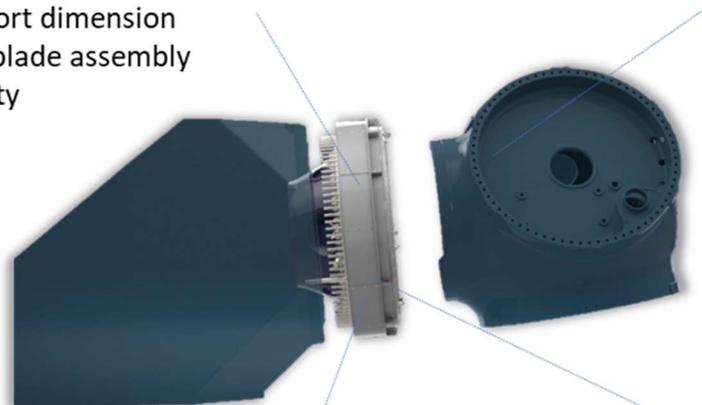
Main Bearing Unit – MBU 2500 TV

Ready to mount

- Ready to mount at any turbine site
- One single transport unit
- Optimized transport dimension
- Simplified single blade assembly
- Less crane capacity

Design and integration

- Integration into existing surroundings
- No changing of flange connections



Preloaded tapered roller bearings

- Optimized kinematics
- Exact preload adjustment with Premesy
- Temperature compensation due to geometric structures

Permanently sealed and protected system

- Grease lubrication
- Less risk of leakage
- Integrated sensors



Benefits

-  **Design integration** in surrounding structures without changing of connections
-  Delivery of a **whole unit** as a system solution
-  **Less crane capacity** necessary for simplified single blade assembly
-  Permanently **sealed and greased system**
-  **Exact preload adjustment** of the two tapered roller bearings thanks to our preload measurement system Premesy
-  Vibration and temperature **condition monitoring**
-  **Premium bearings** with high quality standards
-  **Longer bearing lifetime** thanks to optimized **load distribution** and best possible **kinematics**



Scope of service:

- Main Bearing Unit ready to exchange at site
- Component certification according to the GL-Wind-Standards
- Product insurance
- Engineering support during assembly
- CMS integration of additional sensors
- Product support and improvement during runtime

Key Facts

Series production since 2017

More than **50** main bearings installed

Over **20%** of all existing FL2.5 exchanged

