

eolotec
bearing technology



Blade Bearing Guard (BBG)

The first and easy to install monitoring system for Blade Bearings offers a permanent wear monitoring and ensures well-founded decision making reducing your service and operation costs.

Benefits of BBG

- Determines right time for bearing exchange
- Maximal operation time of blade bearings
- Can be installed on all common wind turbines
- Independent of turbine control CMS and SCADA
- Anytime actual information about blade bearing conditions on BBG User Platform
- Different monitoring level possible to fit the customer's requirements



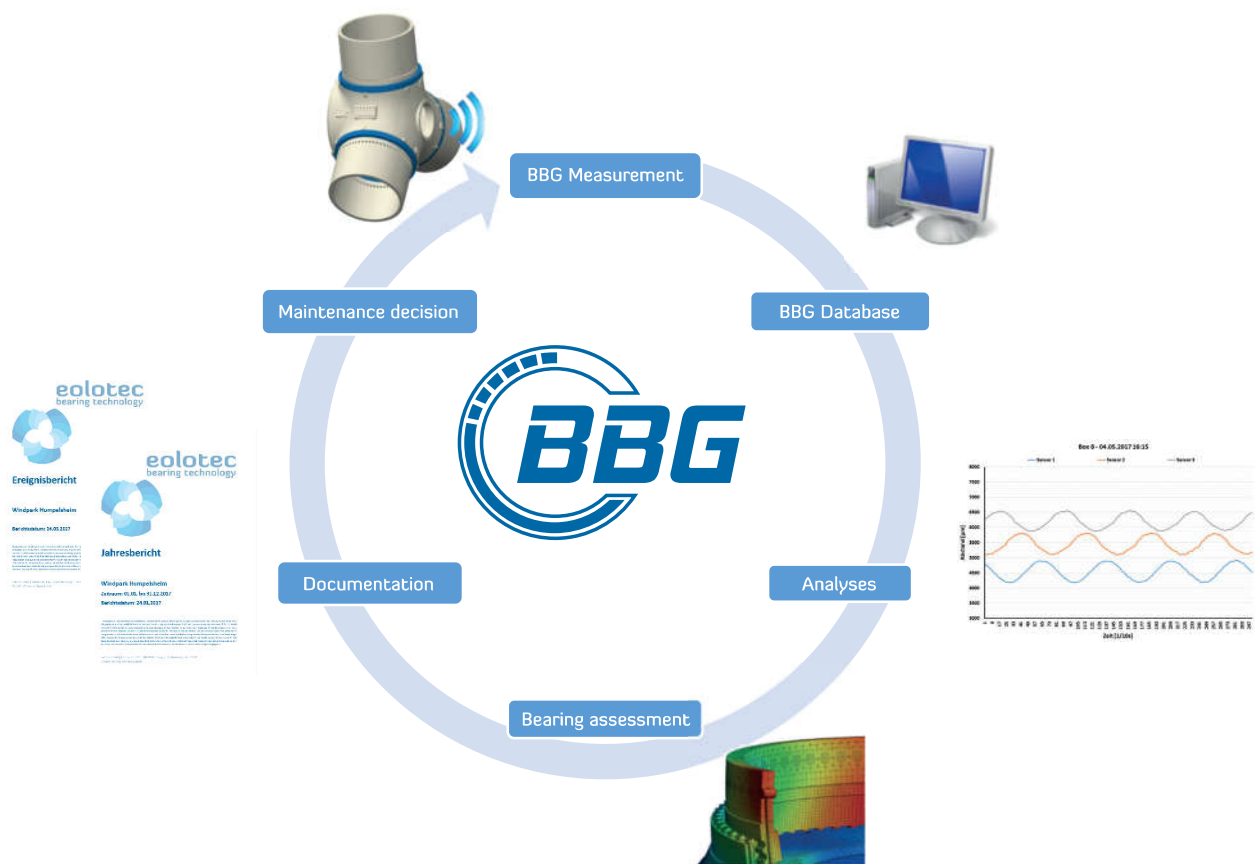
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Why is the monitoring of Blade Bearings necessary?

As blade bearings are getting older it is important to monitor the wear process to guarantee proper functioning of the bearings and the pitch system. Especially at the end of the warranty period or a full maintenance contract this guarantee is valuable. It can also serve as condition evaluation for further operation after 20 years as well as for risk monitoring due to serial damages. BBG enables you to plan your maintenance activities proactively.

How does BBG work?

- Non-contact measurements for each blade bearing
- Measurement with high sampling rate
- Temperature measurement
- Data recording with BBG box and wireless data transmission
- Analyses of measurements by an automatic evaluation tool and by eolotec experts
- Customized reports according to monitoring level



You want to know more about BBG and how you can install it on your wind turbines? Please contact us for any further information.

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