

Offline-Condition Monitoring

Mobile Vibration Measurement and Vibration Analysis

Detect and locate reliably irregularities in the drive train!

With the experience resulting from more than 4,000 offline vibration analyses and 1.5 GW online-Monitoring of 300 kW – 8.0 MW wind turbines the 8.2 Monitoring GmbH inspects drive trains with the help of highly efficient vibration analyses. Vibration analyses offer the possibility to identify in time and locate exactly any irregularities on the drive train especially on the shafts, bearings and gear stages. Special algorithms enable the detection of damage to slow-running bearings.

- Certified and experienced experts produce significant reports for condition orientated, end of warranty or lifetime extension assessments.
- 7 measuring teams are available in order to process effectively even larger wind farms
- Evaluation of measurements that you have carried out yourself. We prepare the expert report for you.
- Own analysis software VibraLyze™PRO

Benefit from our know-how. We are your independent CMS service provider.



Our services

Main characteristics of the 8.2 Vibration Analysis:

- Very high frequency resolution for exact localization of damage
- Special algorithms and analysis methods for detecting damage to slowly rotating components
- High detection rate of damage on main bearings and planetary stages
- Informative status reports including recommendations for action
- Independent assessment

New services of the 8.2 Monitoring specialists:

- Mobile phone app "VibraLyze Audio" for service technicians and operators to record suspicious noises - quick analysis by our experts!
- Vibration measurements on gearless wind turbines (Enercon, Siemens,...) for condition assessment of the main bearings before expiry of maintenance contracts (EPK,...)

About us

The 8.2 Group brings together experts with decades of experience and young thinkers dedicated to the sustainable value of renewable energy projects. For onshore and offshore wind energy, photovoltaics, biogas, grid integration and QHSE. The 8.2 network offers a comprehensive range of technical consulting services and inspections with independent expertise.

From the first tender, through quality assurance, to lifetime extension assessments, our services cover the entire life

cycle of renewable energy projects. The expertise generated over the last 20 years is based on around 40,000 inspections of wind turbines, 20 GW due diligence projects on- and offshore as well as photovoltaic projects. Furthermore, the 8.2 Group has been involved in almost all German offshore wind projects right from the start.

As a client, you benefit from this unique wealth of experience through our broad knowledge base and the guaranteed quality level of our work.



32
offices



130
Experts
worldwide



40,000
Technical
inspections



15
GW TDD Wind
on-/offshore



4.2
GW PV projects



5
GW Condition
Monitoring



Contact

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