

8.2 | The Experts in Renewable Energy

Wind Energy
Solar Energy
Biomass, Biogas
Grid Integration
Quality, Health, Safety & Environment

Online vibration monitoring / Condition monitoring

Avoid machine breakdowns and downtimes – reduce costs

**20 years of experience in online monitoring of wind turbines are the basis of our know-how.
8.2 Monitoring GmbH offers:**

- Independent data analysis of manufacturer CMS at the end of warranty / parallel-monitoring.
- Online CMS hardware for onshore and offshore use. Our controller-integrated CMS solutions with well-known controller manufacturers enable higher data quality and thus better analysis results.
- Our professional CMS support from the monitoring centers in Hamburg and Kiel ensures better planning reliability and risk minimization.
- Our analysis software VibraLyze™PRO sets standards in error detection and efficiency. It enables the evaluation of different CMS and is suitable for both operators and manufacturers to guarantee successful and economic monitoring.

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



Our services

Advantages of independent monitoring of manufacturer-installed CMS by 8.2 Monitoring GmbH:

- A neutral analysis of the CMS data provides the operator an independent expertise on the condition of the wind farm and is the basis for risk management.
- Detection and documentation of defects that have already occurred within the warranty period but have not yet led to a failure or have not yet been identified.
- Ex-post analysis of CMS data in the event of a damage if this was not previously indicated by the manufacturer CMS.
- Own data hosting and access to all data by the operator.
- Better planning horizon for offshore service and maintenance scheduling.
- Our software VibraLyze™PRO records and processes further signals such as particle counters, process signals, SCADA data or foundation and rotor blade measuring technology. By recognizing signal correlations it facilitates a more precise error detection.

New monitoring services:

- Independent analysis of online CMS data of offshore WEC before the end of warranty.
- Mobile phone app for recording an transmisson of conspicuous noises – quick analysis by our experts.
- Online blade bearing monitoring with the BladeBearingGuard (BBG).

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.



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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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