

Condition Monitoring

CMS - “Parallel Monitoring” for Offshore Wind Turbines

We analyze the online data of all current CMS-types on behalf of the operators. Thus, you have always up-to-date status information for your asset, can assess the risks and plan in time any necessary measures for repairs.

- Independent analysis of manufacturer-CMS
- For all common CMS types
- Identify and display default risks accurately
- Up-to-date reporting
- Independent data hosting
- Support for repair campaigns

We secure your earnings!



Our services

The aim of independent "parallel monitoring" of wind turbine-manufacturer-CMS is the early identification and documentation of risks that could reduce your yield. We provide decision support for:

- **Risk management**
Any unknown system status represents an incalculable risk. However, a status information in time helps you to assess the risks and provides the basis for your repair planning.
- **System operation mode**
In the case of existing or developing damage, accompanying monitoring can support plant operation specifically and thus affect the service life of the wind turbine.
- **Logistics planning**
The exchange of components requires early status information for planning. The stand-by costs for jack-up and personnel can thus be effectively reduced.
- **Cash management**
For the replacement or repair of large components, the financial means and resources must be planned in good time. Status information helps to calculate the demand.

Advantages:

- You know the status of the asset on a daily basis.
- The risks of the assets are known and countermeasures can be managed promptly.
- Less loss of yield and longer service life with optimised operation mode

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
GWP PV projects



5
GW Condition
Monitoring



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