

8.2 | The Experts in Renewable Energy

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

Condition Monitoring

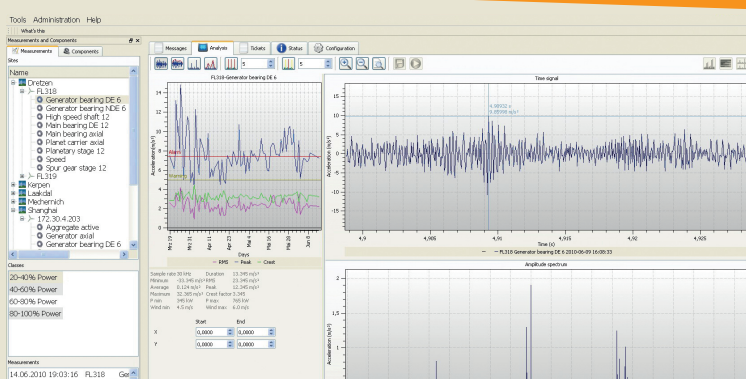
VibraLyze Audio – App for Noise Measurement

You are either at the top of a turbine or at the tower base and you hear an unusual, concise sound, such as low-frequency humming or a striking noise. Does the plant have to be stopped or can operation be continued? What has to be done?

For the recording of conspicuous noises on a wind turbine, we developed an app that provides you or our service technicians the opportunity to carry out a guided measurement. Our experts will then analyse this noise as quickly as possible and are thus able to provide you with an initial indication of the cause and give advice for the next measures.

It is that simple:

- Install the app
- Register
- Menu guided manual
- Enter plant data
- Photograph type plates
- Record audio signal
- Send signal to Monitoring Centre
- Analysis by our experts
- Report for the customer
- Express analysis upon request



Your Advantages

- Short response time
- Low effort
- Low costs
- Quick analysis
- Better and quicker risk assessment for operator / operation manager
- Deduction of measures to be carried out
- Minimized downtimes for the WEC

The decisive factors are time and costs. In the case of very noticeable noises, it is important to know the respective reason. A torn or broken tooth as well as a torn bearing ring can quickly end in a total loss. Here, a quick decision is important in order to be able to decide further measures. Does a professional vibration measurement or video endoscopy have to be ordered now? When will I receive the result? Does the plant have to be switched off meanwhile or operated with reduced power? Why not make a recording with your mobile phone and analyse the noise. In many cases, we were able to provide targeted information for the next measures in the shortest possible time.

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

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