

OMNITREND[®] Center

The Perfect Partner to your Condition Monitoring systems

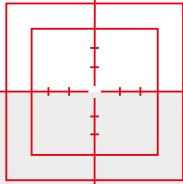


• Central data management

• Intuitive interface

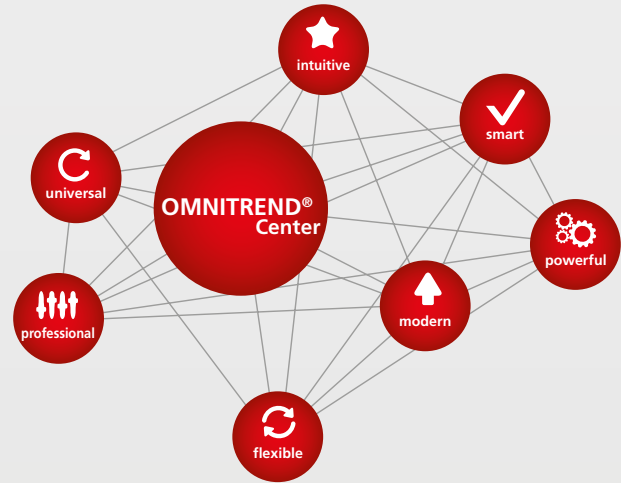
• Practical analysis tools

A clear overview of your assets



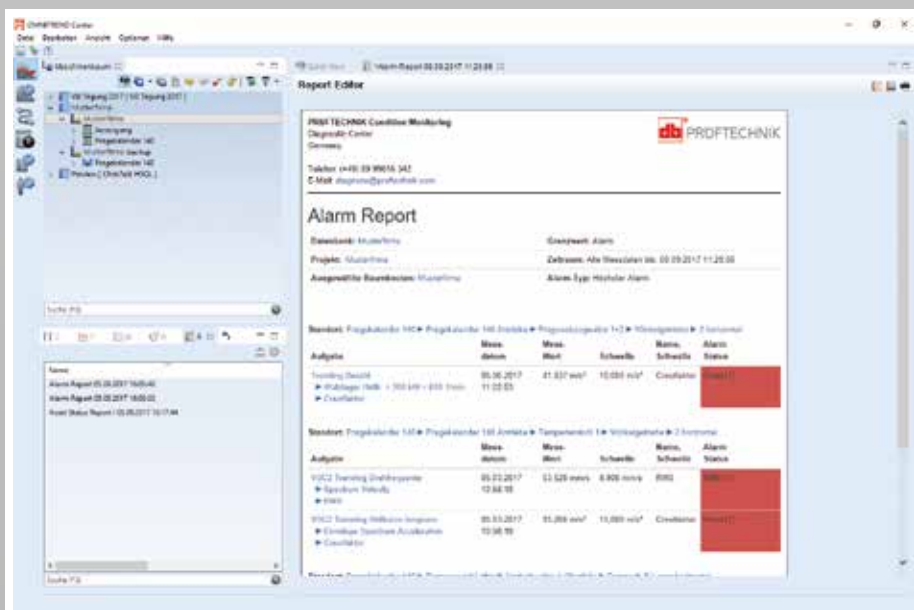
OMNITREND® Center is the powerful central software platform for PRUFTECHNIK Condition Monitoring systems (CMS). The software contains everything maintenance experts need for complex machine diagnostics: Efficient data management, in-depth measurement data analysis and comprehensive reporting functions.

The clearly structured program and intuitive graphical user interface offer a comfortable work environment and drastically speed up the learning curve. Intelligent, dialog-supported user guidance fully meets the high demands placed on world-class condition monitoring software.



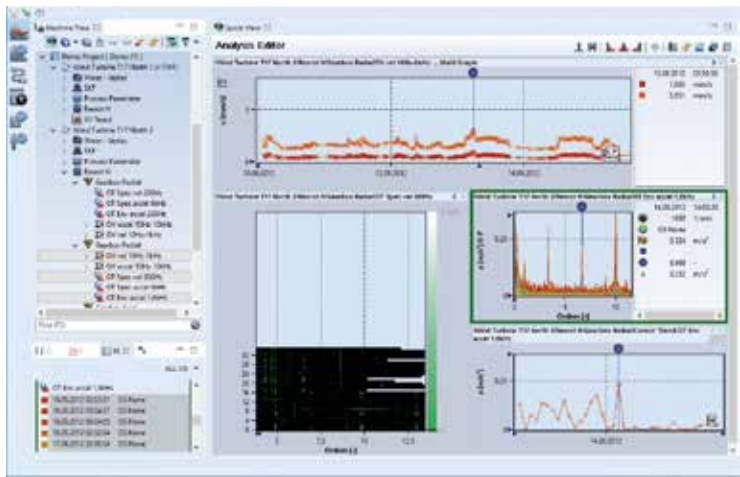
OMNITREND® Center at a glance:

- ▶ Clear overview and status display of the monitored machines and assets
- ▶ Interactive reporting function in HTML format with links to findings and measurement results
- ▶ Tools for dependency comparison of different measurement values (X/Y plot, 3D waterfall chart)
- ▶ Intuitive graphical set up of machine trains as they are in the field
- ▶ Simple navigation in large machine parks using intelligent search filters (interactive tree)
- ▶ Advanced Modbus support, central access to current CMS data and simple integration into system control
- ▶ Ideal for distributed networks and cloud-based solutions



Alarm status report displays critical machine conditions

Practical analysis tools



Clear and comfortable – measurement result analysis

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Asset Status Report II

Webpage: [Webpage](#)

Assets Section

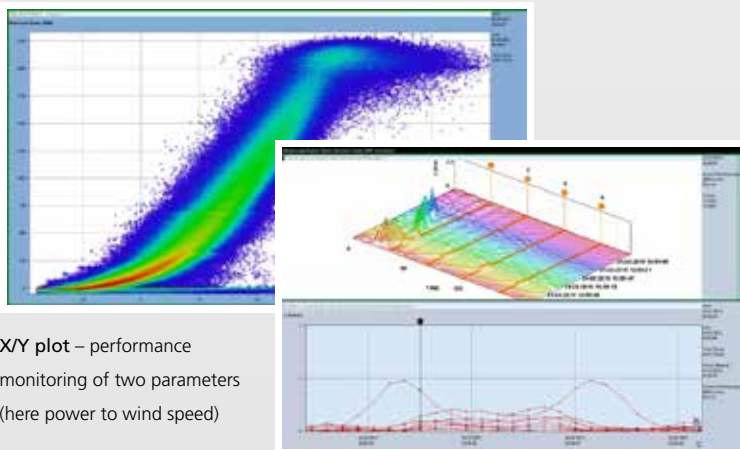
Propulsion Engine Test Stand

| Asset Name | Asset Status | Date |
|---|--------------|------|
| Count Recording with Microphone - Mikrophon | OK | |
| Count Recording with Microphone - Mikrophon | Not OK | |
| Count Recording with Microphone - RTN Industrie | OK | |
| Count Recording with Microphone - RTN Industrie | OK | |

Alarm Tables Section

| Task | Time of Measurement | Measured Value | Threshold | Alarm Status |
|------|------------------------|----------------|----------------|-----------------------|
| 001 | 22.08.2018 14:22:12 | 6,790 m/s/s | 6,500 m/s/s | Trendfall Warn (Y) |

Asset status report displays the current asset status



X/Y plot – performance monitoring of two parameters (here power to wind speed)

Advantages of OMNITREND® Center

- ▶ Single user and client server versions
- ▶ Central data management
- ▶ Easy device and route management
- ▶ Flexible user administration – supports individual access rights
- ▶ Intuitive, simple operation with setup wizard
- ▶ Practical analysis tools: 3D waterfall, multiple cursor families, frequency markers, trend forecast, X/Y plot, statistics, and post-processing
- ▶ Graphical setup of machines includes machine frequencies, multi-stage-gearboxes, bearings and additional frequency markers.
- ▶ Data analysis taking into account up to six operating conditions
- ▶ User interface available in many languages
- ▶ OMNITREND® Center is compatible with VIBGUARD® compact, VIBROWEB® XP, VIBRONET® Signalmaster, VIBXPERT® and VIBSCANNER®2

3D waterfall chart with separate cursor trend enables fast analysis of resonance effects

PRUFTECHNIK

Proven technology for all industries

With our products, processes and services for alignment applications, condition monitoring and availability optimization, we help ensure that your machines run smoothly and generate an output of consistently high quality. This also includes

systems for automatic process control and quality assurance that are integrated directly in your production process.

PRUFTECHNIK delivers maintenance solutions worldwide



Alignment Systems



Condition Monitoring



Nondestructive Testing



Service & Support

Laser measurement systems and services for optimum alignment of machines and systems.

Vibration measurement systems for machine condition monitoring – including services such as machinery fault diagnosis.

Systems and services for quality assurance and process control in production.

We offer professional services anywhere in the world to support our customers with alignment and condition monitoring.

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