

Monitoring, analysis and diagnosis OnCare.Health Paper





HÖGRISKZÓN
HYGIEN

FIGYELJEN!
A munkaterületen
csak a megfelelő
biztonsági felszereléssel
és a megfelelő képzéssel
lehet dolgozni.

FIGYELJEN!
MŰKÖDÉS

FIGYELJEN!
MŰKÖDÉS

Strong in practice

OnCare.Health Paper

The OnCare.Health Paper monitoring, analysis and diagnosis system combines our engineering and maintenance expertise with your operational experience and knowledge to develop a powerful predictive maintenance solution tailored to fit your individual paper production line.

OnCare.Health Paper combines machine vibration, technology and lubrication monitoring in one system and, with its precise measurements, decisively contributes to increase machine availability and thus to increase production line productivity.

Focus on efficiency and uptime

An important objective for Voith is to help you improve your paper manufacturing efficiency. Thus, in terms of an integrated total solution, the entire process from raw material to the finished paper is constantly in focus. This central idea is also encapsulated in the OnCare.Health Paper. The system gives you a continuous real-time overview of the condition of the entire paper production line.

Strong in practice

The monitoring system supplies important information about the equipment condition, process and end product. Emerging malfunctions and their respective causes are detected at an early stage. By initiating suitable countermeasures, damage to the machine and unplanned machine downtime can be prevented.

The smallest malfunctions in the machine often remain unnoticed over a long period, but they can cause dramatic damage. With OnCare.Health Paper, Voith offers an efficient maintenance solution to prevent this.

Product benefits OnCare.Health Paper

- + **Technology monitoring visualizes the influence of process parameters to the paper quality**
- + **Modular design for easy and inexpensive expansion of the system**
- + **Early detection of bearing damage**
- + **Reduction of unplanned machine downtime**
- + **Quick and automatic detection of process malfunctions and direct assignment of causes**
- + **Comprehensive and continuous remote service support**

System characteristics OnCare.Health Paper

- **Integration with other systems possible, such as controls, quality and asset management**
 - **Immediate alarm triggered by unexpected measurements**
 - **Storage of all measurement data in the database for several years, enabling analysis of long-term trends**
 - **Easy data exchange with foreign systems thanks to manifold interfaces**
 - **Unlimited stationary and mobile measurement points**
 - **Connection to the asset management system OnCare.Asset**
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All-in-one-solution OnCare.Health Paper modules

Machine monitoring

Based on the permanent measurement of vibration metrics, characteristic values are used to automatically monitor and assess anomalies in the mechanical condition of bearings, motors, pumps and gearboxes.

Technology monitoring

A high-resolution online analysis examines process quality values like basis weight, thickness and moisture. By correlating rotating speeds with measured pressure pulsations, vibrations or process values, anomalies in the production process such as periodic basis weight fluctuations are automatically recognized and assigned to the corresponding cause.

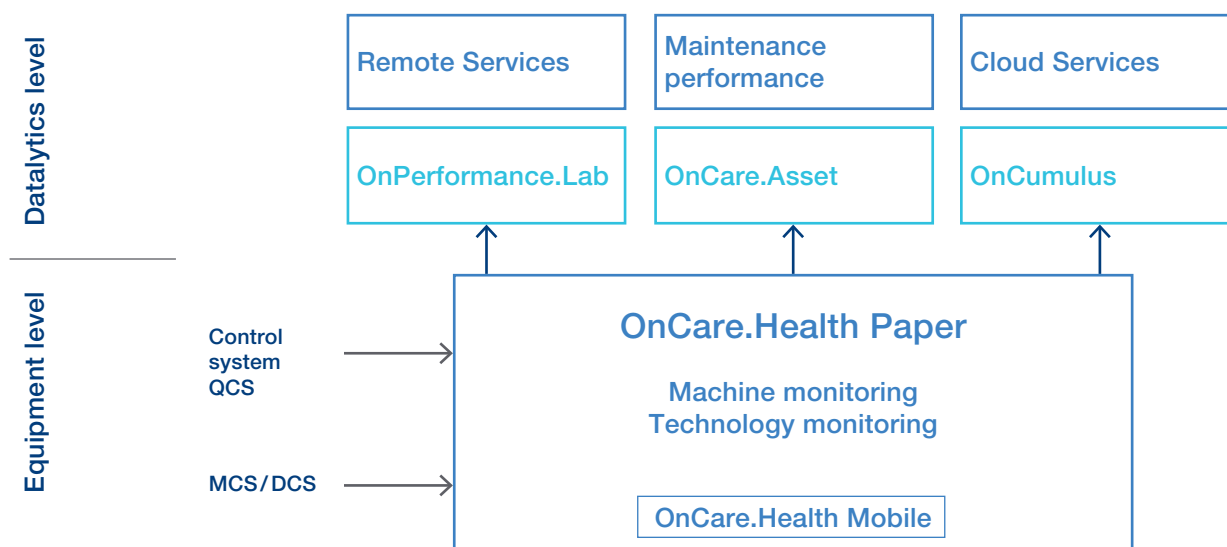
Platform solution

OnCare.Health Paper is an online monitoring, analysis and diagnosis system combining Voith's knowhow and experience of international paper machine operation. The monitoring system is developed based on our deep knowledge and expertise in paper machine layout and design. Additionally, the system is highly scalable and includes customer-tailored solutions. Pre-defined standard configurations for sensors assure a reliable and safe measurement.

OnCare.Health Paper is fully integrated in Voith's computerized maintenance management system OnCare.Asset. This integrated solution, enables the user to combine the benefits of both systems to support a best practice maintenance operation.

OnPerformance.Lab offers remote support services for customers. OnCare.Health Paper is available as cloud or on-premise solution.

OnCare.Health Paper



Helping you to recognize, understand & optimize OnCare.Health Paper offerings

Voith also offers safe remote access from a central server to your OnCare.Health Paper installation onsite. With this safe access possibility (only registered Voith specialists will have access to your Condition Monitoring System), we can provide additional services and guarantee even faster and better customer service.

This will help you to enhance the profitability of your plant through:

- Remote support and quick analysis in case of unforeseen unit standstills without Voith specialists going to site
- Cyclic assessments
- Commissioning, troubleshooting and analysis can be centrally supported by specialists
- Remaining work via remote access (parameter settings and configuration)

Voith is also offering a wide range of service contracts that will help you to optimize the plant conditions.

There are several options for the service contracts. Typically, the remote service includes such as:

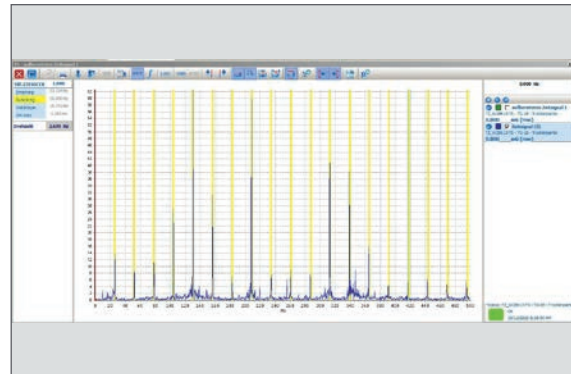
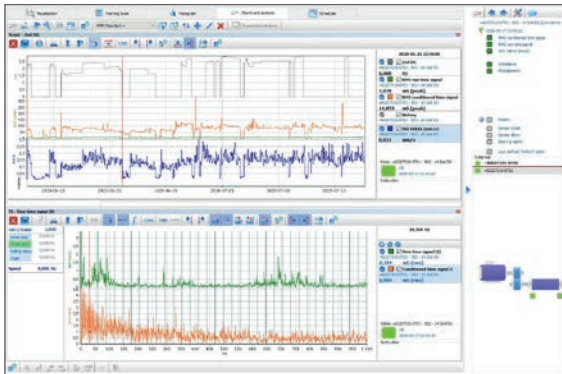
- Remote evaluation of machine condition
 - detection of anomalies
 - alarm evaluation and care
- Analysis
 - advanced measurements
- Recommendations
 - definition of countermeasures
- Regular reporting
- Additional further services with predefined rates
 - Troubleshooting
 - System upgrades
 - On-site support

OnCare.Health Paper report from OnPerformance.Lab provides decisive information to derive smarter recommendations and decisions.



User interface

Example screens



The current state of the plants can be visualized by numerous intuitively operable tools that are used to represent the state of a plant exactly and immediately. The multi-level visualization allows the operator to look for measuring points hierarchically, beginning with the whole monitored plant to the individual measuring point.

The interface offers user-friendly intuitive operation with an intelligent alarm system with expert alarms for early warnings. The software enables an individual notification via email or short notices on a varying scale.

Mobile device

Mobile device MD300

With the aid of the mobile data gathering device OnCare.Health Mobile MD300, the values can be gathered on site and analyzed via a mobile end device. Measured data can be transferred to the stationary OnCare.Health system.



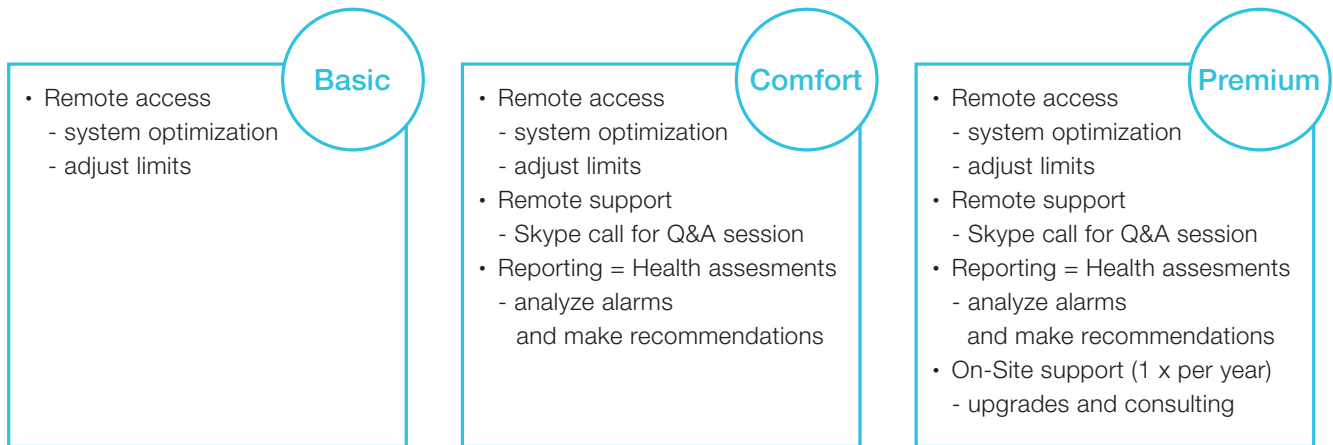
Mobile App performance features

- Three-channel vibration values
- Documentation on the measuring point
- Connection to the evaluation and configuration software
- Data and configuration synchronization
- Route guidance or individual route
- Automatic measuring point identification (option)
- Multifunction sensor with integrated identifier
- Long-term measurement



Service packages for different needs

Basic, Comfort and Premium packages available



Summary OnCare.Health Paper

- Technology monitoring visualizes the influence of process parameters to the paper quality.
- Assesses the condition of a paper machine to enable condition-based maintenance
- Flexible and scalable modular design
- Unlimited operator stations as well as stationary and mobile measurement points
- Central database and customized visualization for online and route-based data collection.
- Flexible connection to foreign systems
- Cloud-ready monitoring system
- Mobile device as an extension for the online system or as a stand-alone solution

Voith Group
St. Poeltener Str. 43
89522 Heidenheim, Germany

Contact:
Phone +49 7321 37-0
paper@voith.com
www.voith.com/paper



VOITH