voith.com

VOITH

Condition monitoring solution for Voith Schneider Propellers (VSPs)

OnCare.Health Marine

Intuitive condition monitoring system
OnCare.Health Marine

OnCare.Health Marine is a condition monitoring system with a remote support connection. It provides valuable, intuitive diagnostic information in real time for multiple systems on board your Voith-propelled vessels. Customers can use OnCare.Health Marine to:

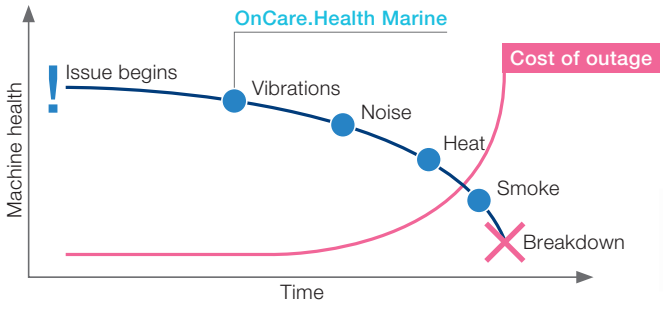
- Increase the availability and reliability of their marine vessels
- Increase ship safety and reduce maintenance costs
- Change their maintenance strategy from reactive to preventive and beyond

Features of OnCare.Health Marine

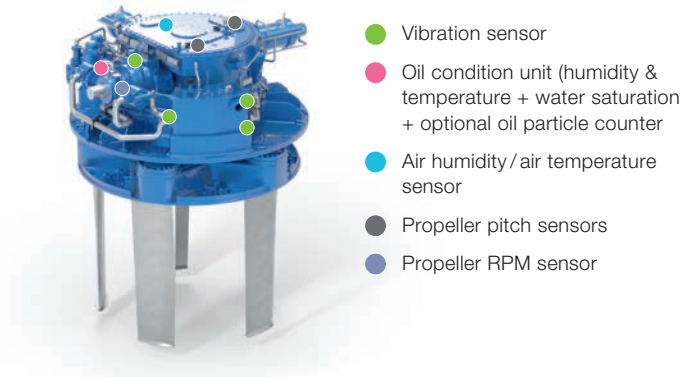
- **On-premise installation**
- **Intuitive on-board interface**
- **OnBoard Interface Inclusion (DP, Winch Control, NMEA, Alarm system)**
- **Customized alarm settings**
- **OnCumulus cloud storage**
- **Customized reporting and optimization advice**
- **Remote expert support**

→ **Reduction of unplanned maintenance times**

A common run into failure – knowing issues early is our core value contribution



Sensor overview



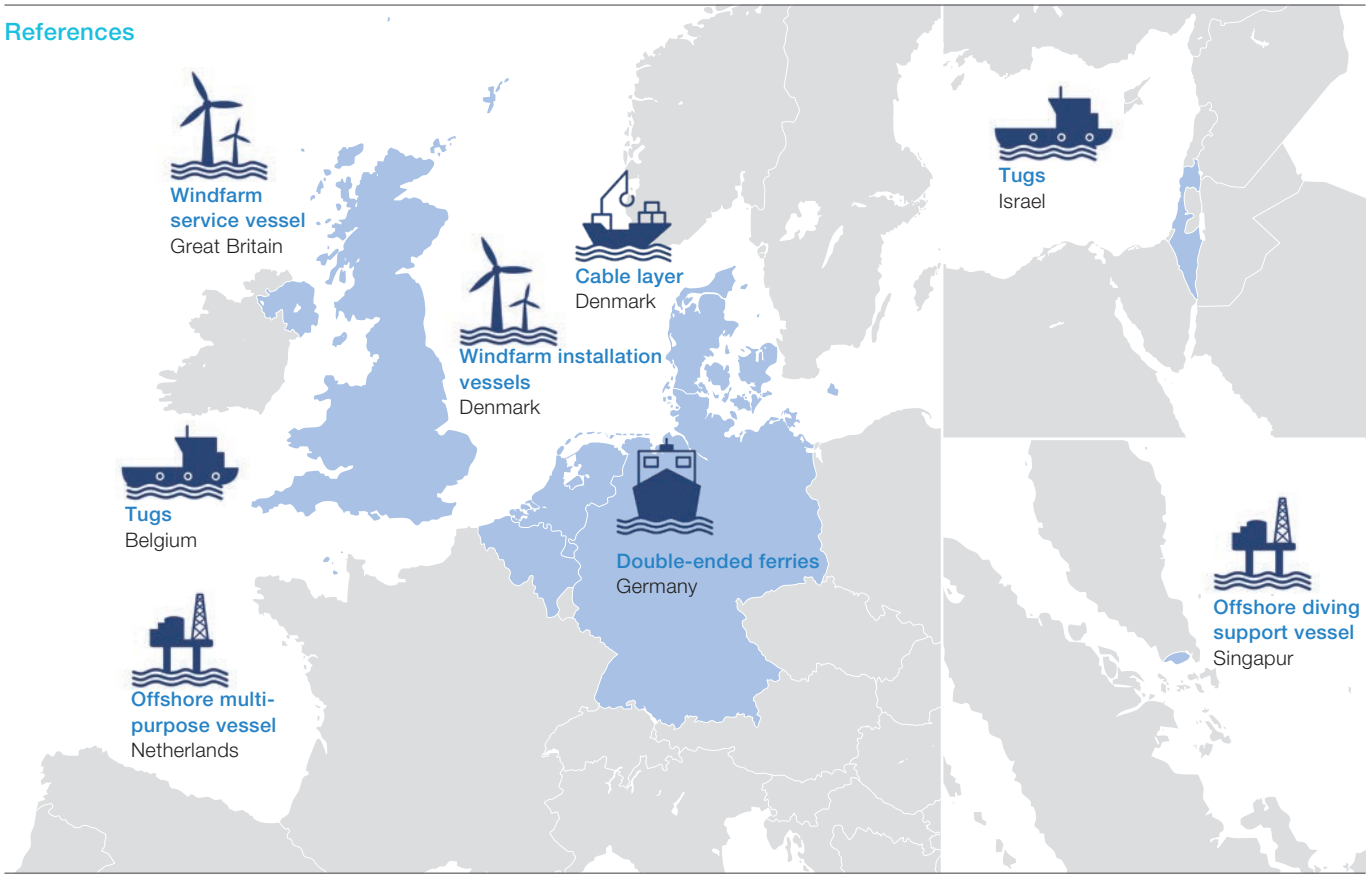
Why Voith

Domain know-how
We apply domain knowledge. At Voith you are talking to engineers, not consultants. We can help solve your problems, because we designed and built the product.

Secure
We offer best security and recognition of your concerns.

Actionable advice
Our service does not stop with a warning on a fancy dashboard or a detailed error report. If a problem occurs, we support you by actively solving it.

Independent and open system
No lock-in. Our customers want to use what they already have. They want to have smart interfaces with their NMEA, DP or alarm systems.



Case study: Double-ended ferry

Problem

One double-ended ferry without OnCare.Health Marine operates in shallow sediment-rich waters. In the past, the customer experienced sudden stand stills of the ferry due to leakage of the VSP.

Customer goals

Reduction of unplanned standstills of the ferry as much as possible and an early warning if a sealing is reaching the end of its life. With OnCare.Health Marine, Voith was able to react and develop new sealing systems in order to substantially increase reliability. Two new sister vessels were immediately equipped with these innovative seal systems as well as OnCare.Health Marine.

Results

In December 2017, the oil and air humidity of one propeller of the mentioned ferry started slightly to increase. The customer was informed but decided to keep the vessel in operation. In order to be prepare for a leakage, though, the necessary parts were ordered in advance. In April 2018, a blade seal reached the end of its lifetime and the ship needed to be drydocked.

Thanks to the pre-warning, an oil spill could be avoided, the necessary parts were already available, and the planned docking reduced maintenance time and cost.

Value added savings

- Pre-warning of damage four months ahead
- Enough time for organization including the necessary parts
- Planned docking reduces maintenance time and cost
- No evironmental hazards

VT2532, en, 2021-07, BDI. All data and information without obligation. Subject to change.

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