

# Maintenance Optimization



**MHWirth gives you advice on OEM maintenance recommendations for optimal execution. This provides you with more flexibility and a lower total cost of ownership on your equipment.**

As an Original Equipment Manufacturer (OEM), MHWirth has in-depth design knowledge of the equipment. Through sophisticated tools and techniques, we can gain detailed information on the usage and the actual condition of the equipment. MHWirth's optimized maintenance is therefore based on actual usage of the equipment, in combination with surrounding factors that have direct impact on the equipment's maintenance requirements.

Our maintenance optimization service is a combination of maintenance reviews, condition monitoring and logging of actual machine data. The information is used for adjusting and optimizing the maintenance schedule to fit actual utilization of the equipment.

MHWirth's inspection tools, surveys and reviews, as well as our Riglogger™ system, facilitate and support this process.

## **Condition Based Maintenance (CBM)**

The documentation's outcome reveals maintenance requirements based on the actual condition of the equipment. Condition Based Maintenance (CBM), also known as dynamic maintenance, can be planned in a flexible manner and executed offshore, utilizing available rig time. It allows actions to be taken before critical faults occur. This improves your equipment availability and reduces maintenance costs. Furthermore, it has an effective impact on spare parts logistics.

## **Condition Monitoring (CM)**

With our comprehensive portfolio, MHWirth can execute any CM services. Our CM tools and techniques, such as inspections, vibration monitoring, oil condition monitoring and structural resume calculation, provide valuable information of the equipment's actual technical condition.

MHWirth is an approved CM service supplier for contribution towards customers applying for offshore CM survey arrangements according to DNV and ABS regulations.

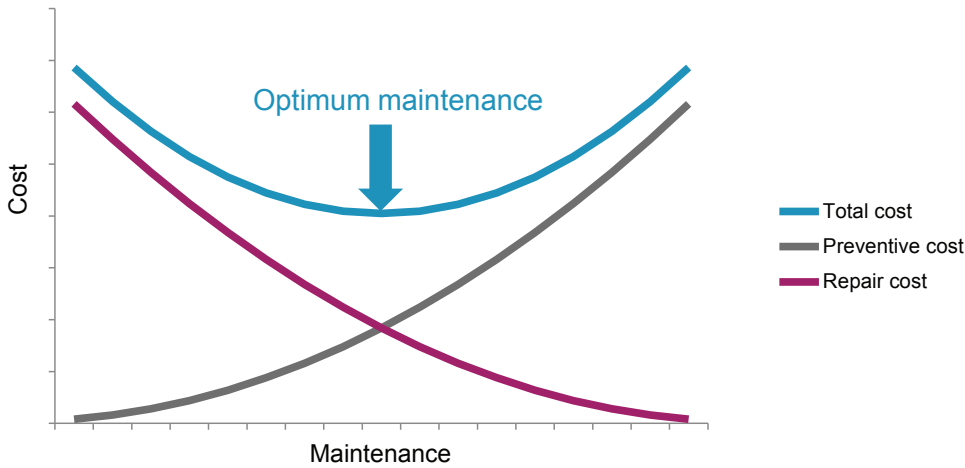
## **Benefits**

- In-depth OEM design and system knowledge
- Maintenance recommendation carried out by highly skilled and experienced OEM personnel
- Flexible and customized maintenance recommendation based on the actual usage and design.
- Class approved (DNV GL and ABS) Condition Monitoring services



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MHWirth's OEM maintenance recommendations reduce total cost of ownership on your equipment.



## Service Specifications

	Tools and Services	Description
Maintenance	<ul style="list-style-type: none"> <li>■ Maintenance recommendation</li> <li>■ Prognostics and Health Management</li> </ul>	<ul style="list-style-type: none"> <li>■ Maintenance recommendations</li> <li>■ Condition Based Maintenance (CBM)</li> </ul>
Spare parts	<ul style="list-style-type: none"> <li>■ Spare parts optimization</li> </ul>	<ul style="list-style-type: none"> <li>■ Evaluation and analysis of spare parts inventory, usage and logistics</li> </ul>
Documentation	<ul style="list-style-type: none"> <li>■ Riglogger™</li> <li>■ Inspections, audits, and reviews</li> </ul>	<ul style="list-style-type: none"> <li>■ Comprehensive overview of equipment usage and verification of actual status</li> <li>■ Present status in reports</li> </ul>

Data is subject to confirmation by the manufacturer.