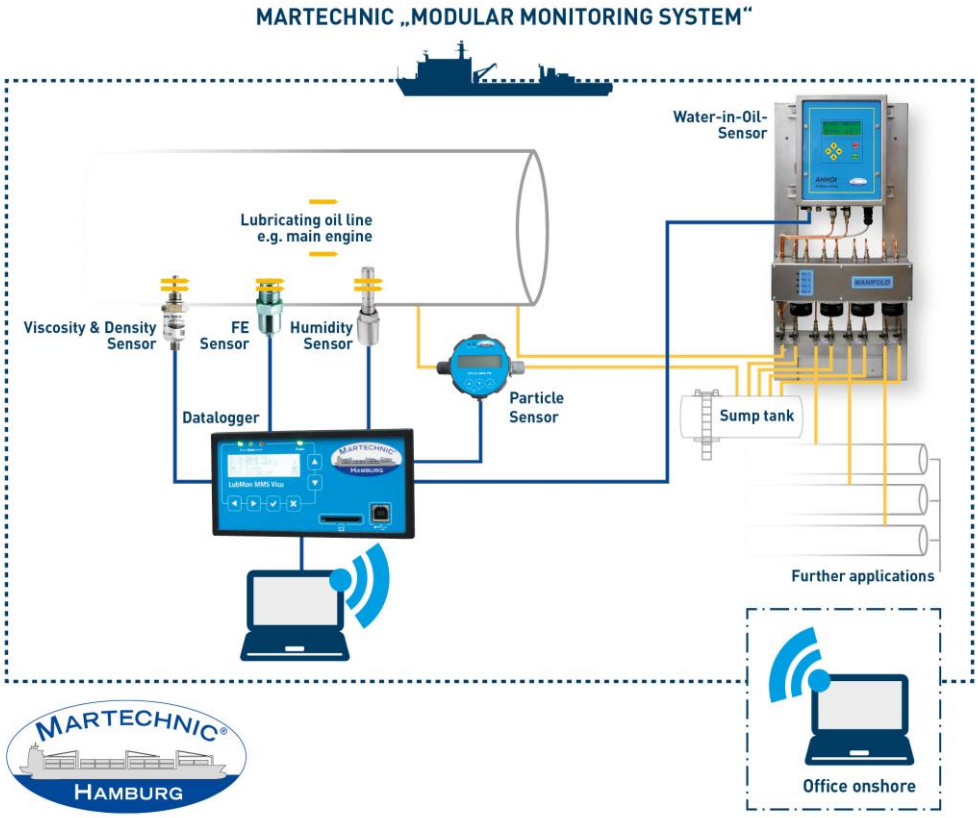
# MT MODULAR MONITORING SYSTEM

## Continuous Multifaceted Oil Analysis

The MT MODULAR MONITORING SYSTEM is basically an assembly of various sensors which enable continuous monitoring of different properties of lubricating and hydraulic oils. The system can be applied as a whole set of sensors, i.e., employing the composition of VISCOSITY & DENSITY SENSOR, HUMIDITY SENSOR, PARTICLE SENSOR, FE SENSOR and WATER-IN-OIL SENSOR, or selectively according to individual requirements to assess certain oil parameters. In this context, it is possible to optimize the scope of supply and the corresponding investment cost. This flexibility in application and supply can be regarded as an important advantage of the system.




### Features:

**Parameters to measure**

- Water-in-Oil / Humidity
- Viscosity
- Density
- Particles
- Iron

### Benefits:

- Continuous multifaceted oil monitoring
- Plug & Play
- Customized to any application
- Real-time comprehensive results
- Advanced warning function
- Improved maintenance practices

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The modular design of the MT MODULAR MONITORING SYSTEM makes it suitable to employ for all aggregates. As soon as the system is installed and the selected sensors are integrated into the engine system, the measurement process is conducted on a continuous basis. Depending on the required values to determine, the oil system can be assessed for the presence of water and the saturation degree of the oil, contamination with insoluble or metal particles, the degree of wear debris based on the analysis of ferromagnetic particles as well as the current viscosity and/or density value.
As the sensors are connected to the special data processing unit DATALOGGER, the obtained values are automatically transferred and stored for the subsequent evaluation. Irrespective of the selected combination of sensors a software system for data recording, storing and assessment is provided.
Therefore, the MT MODULAR MONITORING SYSTEM enables a comprehensive multifaceted estimation of the oil quality. On the one hand, the system helps to immediately detect any occurring changes in the oil condition and, on the other hand, it provides options on extending service intervals following the practice of condition-based maintenance.