



ifm application package: full protection for your pumps

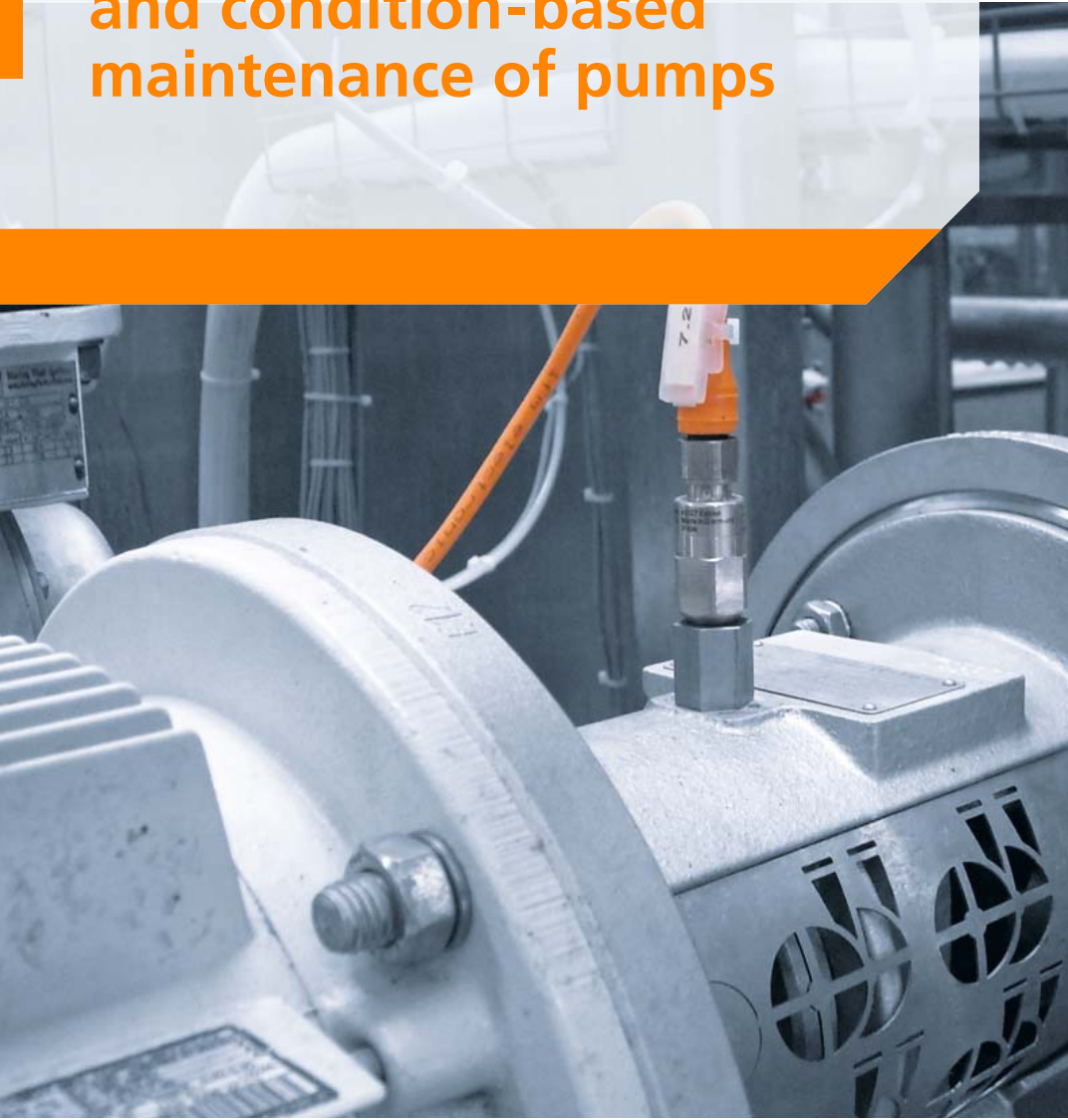
My plant is
running smoothly.

Condition monitoring systems



pumps.ifm

Peace of mind: monitoring and condition-based maintenance of pumps



Continuous diagnostics:

Full coverage of the real operating hours.

Early diagnostics:

Monitoring of imbalance, wear and overall vibration.

Maximum efficiency:

Permanent diagnostics keep pressure and flow within tolerance.

Easy integration:

ifm provides individual solutions suited for different types of pumps.

ifm application package – applications.

Centrifugal pumps, as used in:

- lubricant systems for machine tools
- boreholes
- water supply
- sewage treatment
- cooling circuits
- wastewater treatment plants
- engine cooling supply systems
- lubricant circuits on presses

“The pumps for coolant supply are vital for production. If unplanned failures occur in a central system, the production loss alone costs us up to 5,000 euros.”

(Statement from a turned parts manufacturer)

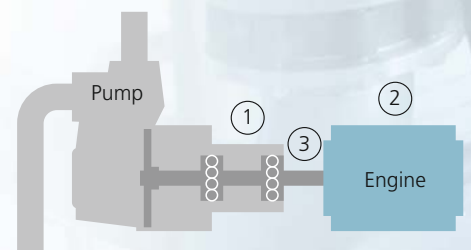


ifm application package Pumps

- | | |
|---|---|
| ① | Vibration sensor screw mounting |
| | Vibration sensor adhesive mounting with cable |
| ② | Temperature sensor |
| | Measured signal converter for temperature sensors |
| ③ | Inductive sensor for rotational speed detection |
| ④ | Diagnostic electronics |
| ⑤ | 24 V switched-mode power supply |
| ⑥ | Connection cables with socket |
| | Parameter setting software for diagnostic electronics |

As an option

- | | |
|--|--|
| | LR SMARTOBSERVER visualisation and alarm |
|--|--|





For industrial applications



- > *Condition-based maintenance when required instead of fixed service intervals. Replacement of parts can be planned.*

Reduce costs

- > *Basic monitoring; detect cavitation, cavitation caused by soiling, motor faults, shaft misalignment, imbalance vibration or dry running in good time.*

Prevent unplanned downtime

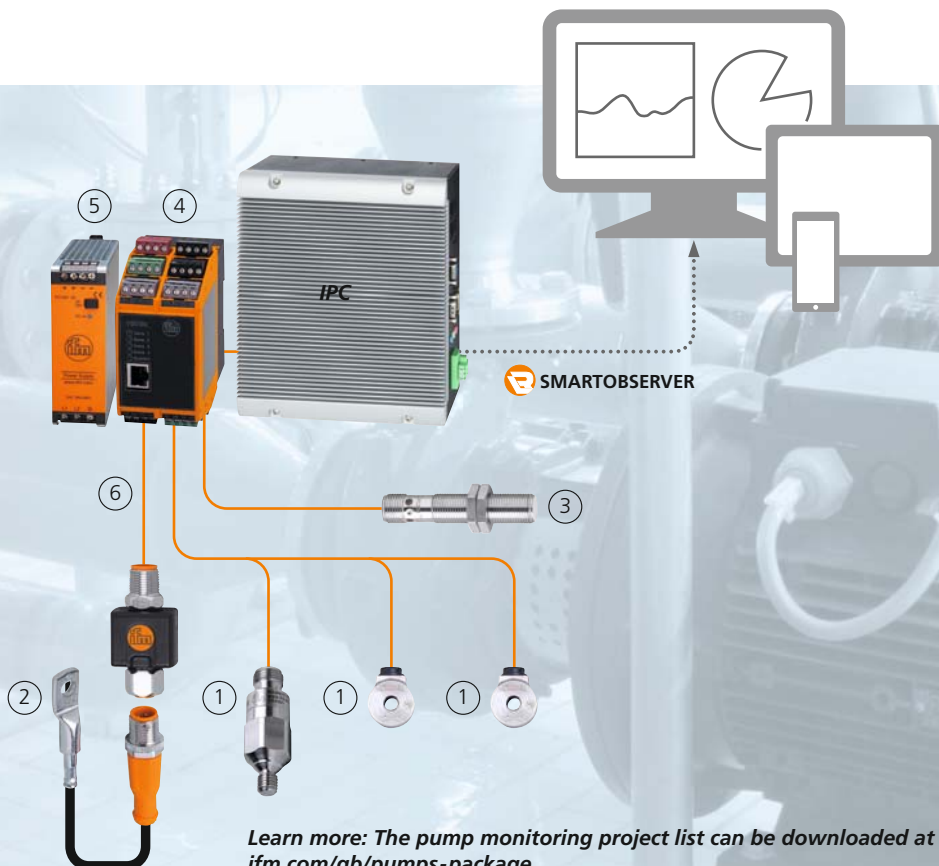
- > *Data acquisition and analysis. Cleaning as required.*

Process optimisation

- > *Application package from the sensor to evaluation and network-based analysis. Scalable: Can be extended to other applications and / or ERP systems.*

Implementation independent of your IT department

*"Thanks to the monitoring, the regular maintenance of the large pumps can be carried out as needed. Instead of every 5 years, it can be carried out every 6 years now. This way, we save several thousand euros."
(Statement from a water supplier)*



Learn more: The pump monitoring project list can be downloaded at ifm.com/gb/pumps-package



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ifm electronic gmbh
 Friedrichstraße 1
 45128 Essen
 Tel. +49 / 201 / 24 22-0
 Fax +49 / 201 / 24 22-1200
 E-mail info@ifm.com

