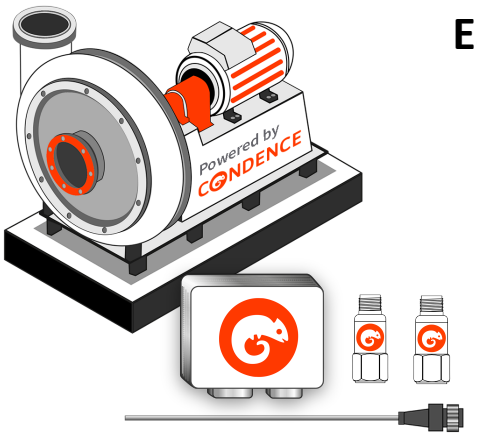
CONDENCE

Maximising Machine Health

Pump monitoring Concept Example

Price 2500,- € + 35 €/Month



Easy start-kit, plug & play

Package includes

- 1x Condence T200 Smart Terminal
- 1x Power supply
- 2x IEPE Accelerometers
- 1x Cable harness with 5m cables

Default monitoring configurations
and dashboards

High accuracy provides time to react
Enabling remote and detailed view and more insights will make it easier to manage assets remotely

Continuous & online
Enabling real time view to asset health. Once repair is needed decisions can be made at optimal time

Eliminating surprise
Better allocation of resource and focus. When manual tasks are automated
skilled employees can focus on more demanding tasks.

Enable condition based maintenance
Decisions and maintenance based on actual asset condition

- Know if the impeller gets damaged or the pump is clogging
- Know when you need to add lubricant to bearings
- Remove unnecessary manual work (inspection & repairs)
- Eliminate human error via automatic alarms and data availability

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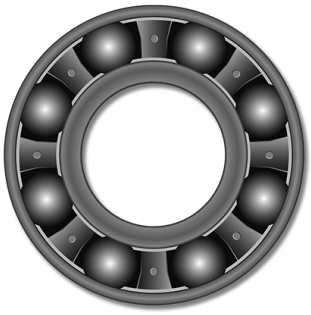

Monitoring concept includes

- Early bearing failure detection via enveloped acceleration
- Mechanical failures: Imbalance, Misalignment and looseness
- Vane pass frequencies: Debris build up / gradual fouling & Impeller damage
- Running times, optimization of asset use

No need for continuous monitoring
Use standard or custom suggestive severities and thresholds for them

Trigger events to drive actions
Notifications or work orders based on actual asset condition e.g. cleaning of blades or adding lubricant

Better reliability and operational efficiency
Less time spent on emergencies, manual inspections and unnecessary tasks

Technical details

4 x Vibrations IEPE
- 24-bit simultane AD-Wandlung
- Signalanalyse1Hz -24kHz
- AbtastrateRohdaten 48kHz

Sample length

8 x Spannung/ Strom
- AuswählbarüberSchalter
- Spannungsbereich0 … 10 V /60 V
- Strombereich 0 … 25 mA

3 x PT-100 / PT-1000
- Temperaturbereich-200..+850 °C
- Genauigkeitsklasse1°Celsius