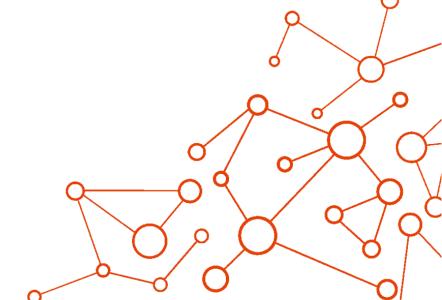


Condence concept: Condence Basic Oil Monitoring

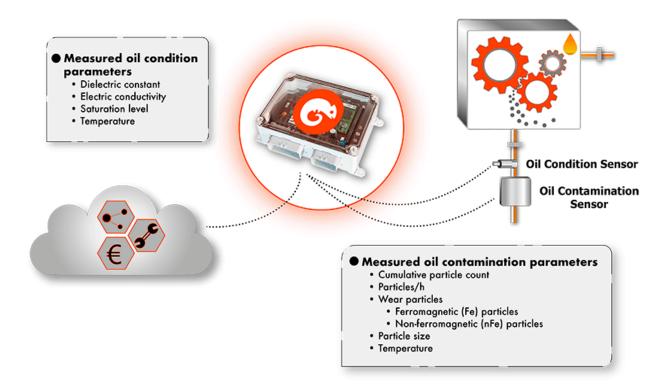




Condence concept: Oil Monitoring



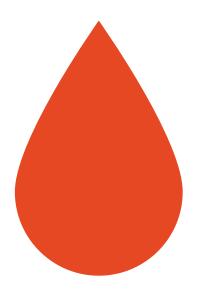
When assessing machine health via oil monitoring there are two main categories to focus on. The condition of oil itself and the possible contamination particles in the oil.



Condence concept: Oil Monitoring



Valuable health indicator





Lifeblood of Engines

Oil carries a lot of valuable health data in it being **too valuable health parameter to be ignored**. Oil monitoring can also be combined with other Condence CM methods like vibration analysis



Continuous & online

Based on continuous sampling (e.g. every 5 min) and edge computing technology Maximised **time to react** even with fast evolving failures



Eliminating surprise / risk

- Unplanned work is more expensive
- Unplanned downtime is expensive



Enable condition based maintenance

Decisions and maintenance based on actual asset condition

- Know when you need to change the lubricant
- Know if temperatures start to rise or water is present in oil
- Know when metal to metal contact happens (wear debris)
- Remove unnecessary manual work (inspections, repairs & oil change)
- Minimise human error via automatic alarms and data availability (wrong type of oil or other surprises)

Monitoring view: Default dashboard structure



Condence components

Status Map

Image of what is being monitored, e.g. sensor placement and direction

Notifications Display

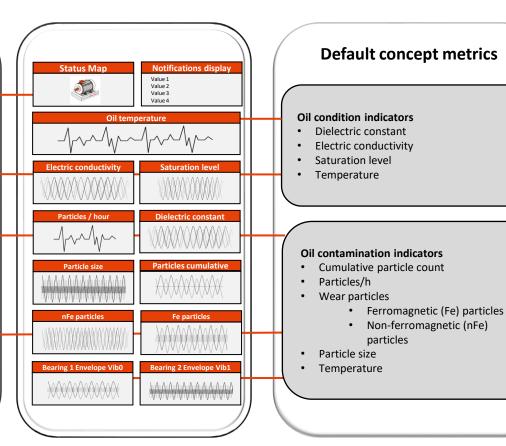
Displays what has happened / triggered thresholds during the selected time period. Easy configuration and adjustment of notifications in the cloud UI

Trend view widgets

Trend widget displays the calculated / sourced data as a line chart (one or more). Trend widget has plenty of tools available for further analysis and exports.

Activity Display

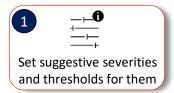
This period component displays summarised period data as a list view which can be expanded. The period component can be used for monitoring running hours of machinery with detailed information like motor starts and stops or in what times are the assets being used.

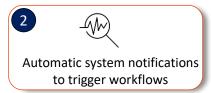


Condition based maintenance



Create suggestive notifications







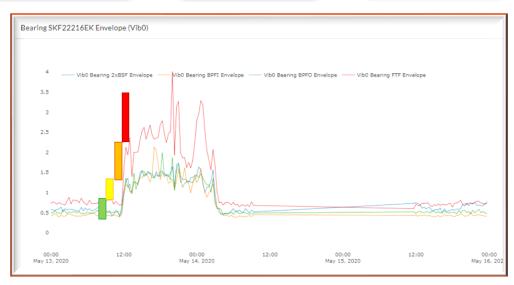




- Maintenance action needed

 Plan for bearing check and lubrication

 Follow elevated vibration levels
- Normal vibration range



Delivery timeline



