



CJC® Cyber-Physical-System CPS

Basic Monitoring – important operating data of the oil system

Product Sheet

APPLICATION

As IoT Gateway, the CJC® Cyber-Physical-System CPS performs as the basic monitoring solution for continuously acquiring the oil system's operating data in real-time to ensure the highest possible oil cleanliness levels.

ADVANTAGES

By installing the CJC® CPS with a CJC® Oil Care System in an off-line circuit, you combine **proactive and condition-based maintenance**. Our solution ...

- maximises wear protection and oil lifetime due to efficient oil care and continuous monitoring of the most critical operating data – at all times, clean and dry oil
- increases machine reliability and lifetime and improves process stability
- delivers real-time data and allows configuration of machine-specific limit values for alerts in a web-based dashboard with an intuitive design
- indicates with sensor data changed operational parameters
- enables individual and transparent data interpretation to detect harmful effects and changes from normal conditions at the earliest and to take action
- minimizes unplanned, cost-intensive downtime
- reduces administrative expenditure
- increases savings and accelerates return on investment

FEATURES

The CJC® CPS provides quick and easy retrofit at any CJC® Oil Care System without technical and organisational expenditure. Due to the modular implementation of customer-specific sensors, it is individually modifiable.

The CJC® Oil Care System continuously removes particle, water and oil degradation products (varnish, oxidation residues, acids) from the oil. It achieves the highest oil cleanliness levels in the shortest time, independent from the various industries.



CJC® CPS

TECHNICAL DATA

Sensor technology	
Sensors	<ul style="list-style-type: none">• Oil temperature [°C]• Pressure, filter inlet and outlet [bar]
	<u>Optional:</u> <ul style="list-style-type: none">• Oil Moisture [RH in %]• Oxidation• customer-specific sensors
Daten transfer	LTE Cat NB 1
Sampling intervals	individual adjustable on request
Electrical connection	230 V, 50 Hz
Output signal of sensors	4–20 mA

DATA TRANSFER & ONLINE-MONITORING

