



CJC® T2render Clouds – Pro & Basis

Cloud-Applikationen – Monitoring and analysis of oil and machine conditions

Product Sheet

APPLICATION & VERSIONS

The CJC® T2render Clouds are cloud-based applications which ensure monitoring (basic version) and individual analysis and interpretation of the oil system's operating data (pro version). Installing the CJC® Sensor Technology in combination with a CJC® Oil Care System in an off-line circuit is required. For further information, see the following product sheets:

- CJC® Condition Monitoring Unit CMU (*Ident No. PDMO4009*)
- CJC® Oil Contamination Monitor OCM15 (*Ident No. PDMO4005*)

The CJC® OCM15 and the CJC® CMU with modular implementable sensors offer data transfer interfaces to the CJC® Cloud. Two versions of the cloud-based applications are available:

CJC® T2render Cloud Basic

The basic version enables the sensor data monitoring in real-time and works as an early alert system. It sends warnings to the operator as soon as the sensors measure custom-specified limit values.

CJC® T2render Cloud Pro

The pro version analyses automatically and precisely, based on highly developed algorithms and machine-specific configurations, the comprehensive data of the numerous sensors (high data density) and determines the oil and machine condition.

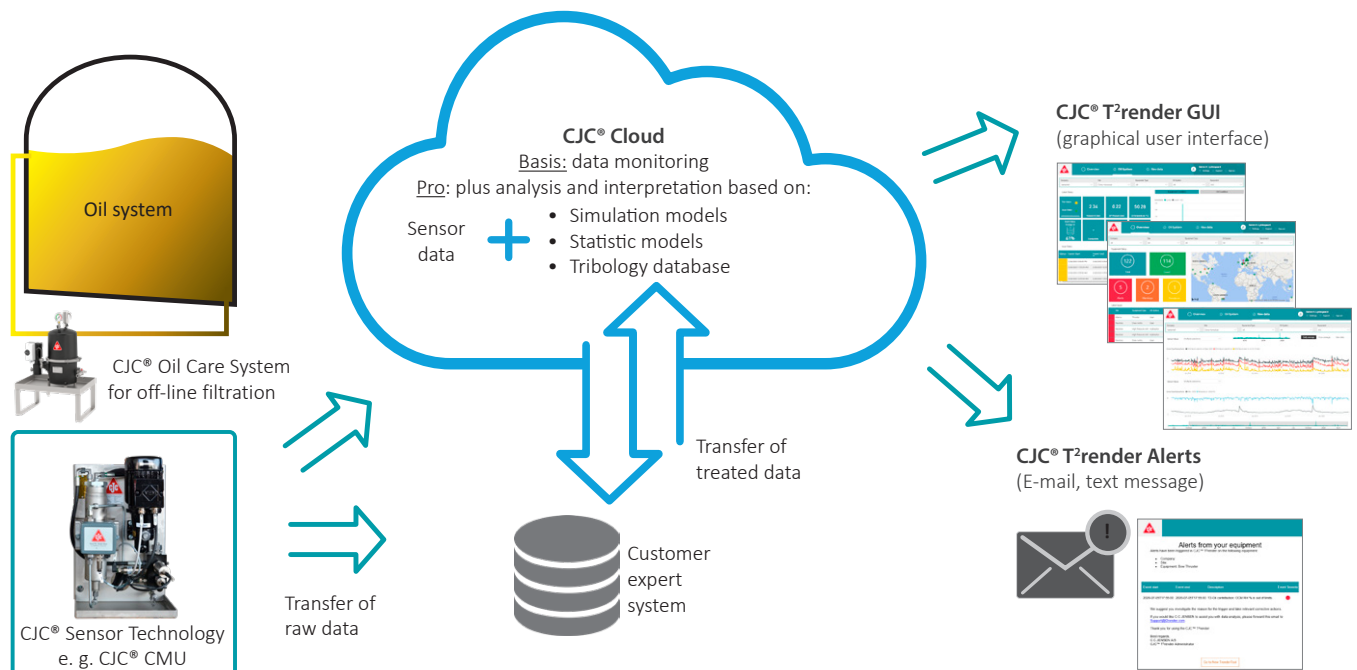
It enables earliest possible warnings as soon as the oil and/or machine condition values differ from the initial custom-defined „normal condition“. The unique intelligence based on highly developed algorithms simplifies the manual and complex data interpretation, considering all data of each sensor.

ADVANTAGES

The CJC® T2render Cloud with a CJC® Oil Care System incl. sensor technology installed in the off-line circuit is the optimal combination for **proactive and condition-based maintenance**:

- Your CJC® Oil Care System achieves permanently highest oil cleanliness levels due to efficient and continuous fine and depth filtration in the off-line circuit (24/7) – at all times, clean and dry oil:
 - optimum wear protection – at all times, clean & dry oil
 - extended lifetime for oil, components and machine
 - increased machine reliability and process stability
 - high savings and accelerated return on investment
- Your CJC® Sensor Technology with the CJC® T2render Cloud optimizes your oil analysis and oil management program:
 - real-time monitoring of oil and machine condition
 - reduced administrative expenditure
 - early alert and wear warning system

The earlier you detect wear in the earliest stages, the earlier you can take action, the longer the lifetime of your components and machine, and the more plannable, calculable and cost-efficient are maintenance measures.





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FEATURES

The two CJC® T2render Clouds, basic and pro, offer different features and service levels. An overview you will find in the following table:

Features	T ² render Basic	T ² render Pro
Storage of sensor data – in the CJC® Cloud and up to 30 days offline as a backup	•	•
Web-based dashboard, monitoring of sensor data in real-time, history, logbook	•	•
API interface for the transfer of raw data and treated sensor data	•	•
Performance-Monitoring of proactive oil care measures to ensure the highest oil cleanliness	•	•
Specification of limit values and individual configuration of the sensors for warnings	•	•
Technical support for installation	•	•
Configuration of the CJC® T ² render Cloud and technical support during commissioning	•	•
Automatic analysis and precise interpretation of all sensor data as well as conversion into an oil and machine condition value		•
Detection of already slightest deviations from the pre-defined "normal condition"		•
Automatic and valid warnings uniquely adapted to each oil system with appointed direct cause(s)		•
Technical support during the whole period		•
Yearly review of system condition and retraining requirements		•
Recalibration of sensors		•

INSTALLATION, OPERATION & MAINTENANCE

CJC® Sensor Technologies allow quick and easy retrofitting at any CJC® Oil Care System, independent from the machine's operating. For further information, see the following product sheets:

- CJC® Condition Monitoring Unit CMU (*Ident No. PDMO4009*)
- CJC® Oil Contamination Monitor OCM15 (*Ident No. PDMO4005*)

We set up the CJC® T2render Cloud based on your customer-defined parameters requested during the registration period. You, as equipment owner, specify the limit values in the web-based dashboard.

The CJC® T2render Cloud Pro version is set up by us in close cooperation with you as the equipment owner. You preliminary define the "normal" machine and operating conditions. Subsequently, we are modelling the individual statistics and simulation models for the machine-specific configuration of the CJC® T2render Cloud.

Based on this configuration, the CJC® T2render Cloud Pro version monitors the oil and machine condition. Warning messages point out the triggering sensor and the root cause(s). As the equipment owner, you have to initiate the investigation and elimination of the root cause(s).

The machine-specific configuration can always be reviewed.

DATA TRANSFER

For logging and data transfer, we guarantee the highest safety standards. For data communication between CJC® Sensor Technology and CJC® T2render Cloud, you, as the equipment owner, can choose between Ethernet TCP/IP (LAN), WiFi or cellular (via SIM card for 4G/LTE modem).

DATA OWNERSHIP

Ownership of all the sensor data are exclusively reserved for you as the equipment owner. All stored data are stored with full confidentiality and the highest safety standards on our servers. We can use anonymized data to improve and develop the CJC® T2render Clouds, CJC® Sensor Technologies and CJC® Oil Care Systems.

SERVICE

Our technical expert team is always ready to support and help if needed. The following services are available: installation, commissioning, filter insert replacement, monitoring, data analysis and interpretation.

ENQUIRIES & ORDERS

Contact the technical sales team of
Karberg & Hennemann GmbH & Co. KG:

<https://www.cjc.de/en/contact-person-germany/>

or write an email:

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