

GearWatch Condition Monitoring

Proactive and customisable remote monitoring services for industrial gears

Our GearWatch condition management system is a smart, compact and value-adding tool for predictive remote process equipment monitoring. GearWatch measures, records and analyses data, reporting any changes in measured parameters in real time, 24/7 via the internet.

Oil particle content monitoring enables early detection of potential gear unit failures months, or even a year in advance. This allows you to plan maintenance activities around your operational requirements.

DBS GearWatch Standard

Earliest detection of the gear unit wear process with oil particle counting. Most compact and cost efficient condition monitoring method available for gear units. Very simple measurement results to analyse.

DBS GearWatch Oil Monitoring

With oil analysing unit:

- Earliest detection of the gear unit wear process with oil particle counting
- Oil quality measurements including:
 - Humidity
 - Di-electricity
 - Conductivity
 - Temperature

DBS GearWatch Pro

Tailored monitoring system for gear unit and drive train with selected parameters:

- Oil particle counter
- Vibration
- Rotational speed
- Temperature
- Oil quality
- Oil pressure
- Load

Cement
Chemicals
Defence
Fibre, paper & tissue
Food & beverage
Marine & port operations
Metals
Mining & minerals

Oil & gas
Panelboard
Power generation
Rail
Rubber
Sugar
Water & wastewater



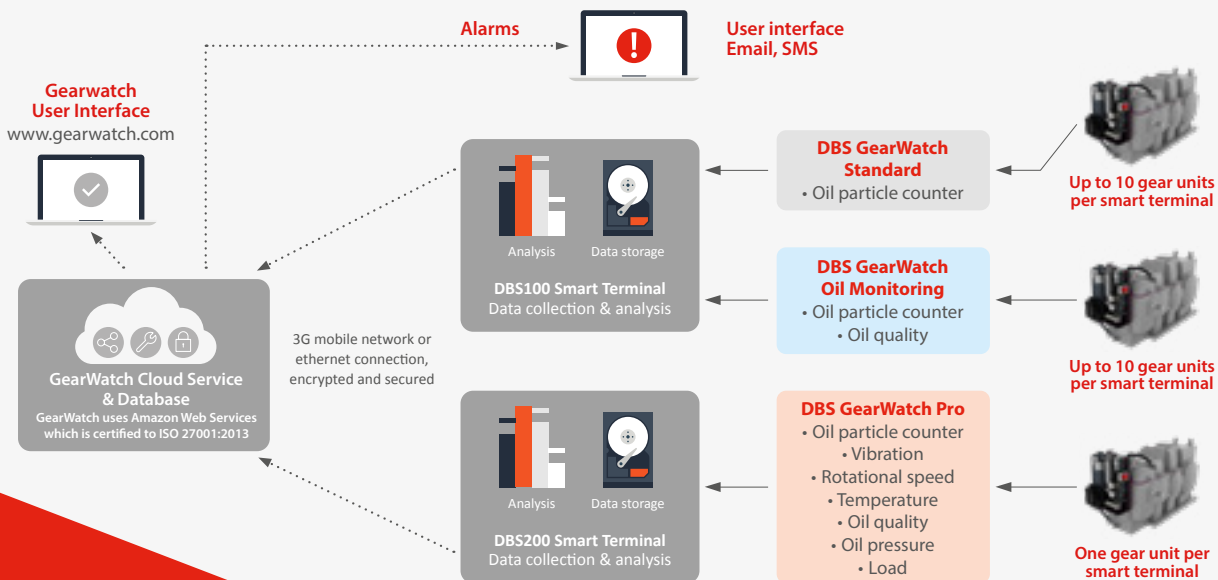
How GearWatch works

GearWatch can be tailored to your operating parameters and all data is monitored by gearbox experts at our central control centre. Not only does it measure changes within the gearbox, it can also monitor a full range of equipment including motors, hydraulic systems and bearings, as required.

Key features

- Proactive approach to operation and maintenance
- Early detection of potential gear failures
- Analysis completed by gearbox and drive train experts
- Oil quality sensor
- Cost efficient and easy installations
- Web based user-friendly application for analysis
- Defects detected also on slow rotating component(s)

The GearWatch process



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GearWatch Condition
Monitoring:

