



**Fluid**  
Intelligence

## Fluid Intelligence

# Connected Oil Solutions

**The Fluid Intelligence Connected Oil Solutions** change the way in which lubricants are used today in heavy industry and logistics. We maximize operational reliability, reduce costs, and halve the amount of waste oil generated by connecting oil to real-time oil monitoring and utilizing a proactive maintenance model. At the same time, we change the oil from cost to a long-term asset.

**Fluid Connected Oil Solutions consists of the following product areas:**

### Fluid Monitoring

Oil Performance Remote Monitoring Solution

### Fluid Analytics

Analysis of Oil Performance

### Fluid Total

Lubrication as A Service, Turnkey Solution

### Fluid Services

Professional Services and Oil Analyzes

## Real-time oil monitoring, analytics and performance maintenance



### MONITOR

Automate real-time oil condition monitoring (OCM) and activity alerts



### ANALYZE

See current oil asset performance and get long-term trend analysis



### MANAGE

Optimize oil performance and maintain reliability proactively

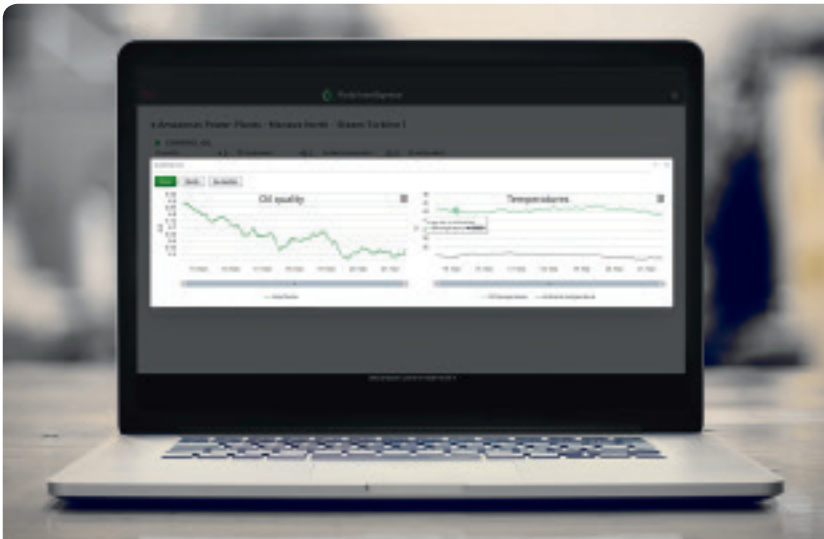


### SAVE

Enjoy extended operational run-times, save money and environment

Learn more about our solutions: [fluidintelligence.fi](https://fluidintelligence.fi)

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# Fluid Monitoring

**Fluid Monitoring** is a key element in the **Fluid Connected Oil Solutions**. It provides real-time Oil Condition Monitoring (OCM) for our customers machinery. **Fluid Cloud** enables real-time tracking, analytics and oil performance maintenance. This is how the oil becomes a competitive factor for your business.

## Benefits

Fluid Monitoring provides the customer with significant benefits in controlling the use of oil in critical and big targets:

- 1. Real time remote monitoring of oil performance** allows for very accurate maintenance and immediate intervention in the emerging problems.
- 2. The reliability of production is improved** when the breaks caused by maintenance and repairs are reduced and the critical supply chain functions aren't paralyzed.
- 3. Enables unprecedented accuracy to determine the root cause of hydraulic and lubrication problems** and enables effective problem solving.
- 4. Allows maintenance strategy change from oil consumption to oil maintenance while saving both financial and environmental resources.**

## Fluid Monitoring II PnP installation package



The Fluid Monitoring Unit works on **Plug & Play** principle. After a simple installation, the unit automatically connects to Fluid Cloud and activates oil performance monitoring.

### Technical information

- Connection: 3G / SigFox / WiFi / LoRa / LoRaWan / NB-IoT
- Connection box, size: 130 x 220 x 95 mm, thermoplastic
- Electricity: 240 VAC
- Current: 2A, max. 3.4A
- Operating temperature: -30 ° C to +65 ° C
- Mounting: screw/nut x 2/4 pcs
- Sensor cable: max 10 m
- Sensor connection: BSPP 1/2" screw thread
- Sensor temperature: -20 ° C to +120 ° C
- Oil pressure: max 20 bar
- Sensor seal: Viton
- Sensor material: stainless steel
- IP rating: IP67