

# PRODUCTS FOR 2-STROKE AND 4-STROKE ENGINES



## Condition monitoring

- Oil Mist detectors (4 -stroke)
- Engine safety systems (4 stroke)
- Water in oil monitoring system
- Bearing monitorsystems (2 stroke)
- Cylinder line measurement systems (2-stroke)
- Crank case protection system (4-stroke)
- Overspeed monitoring
- Vibration monitoring

## Sensors

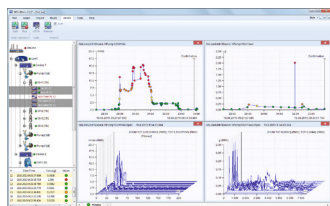
- RPM Pick ups
- Position sensors
- Vibration sensors
- Absolute encoders
- Temperature sensors
- Pressure sensors
- Water in oil sensors
- Oil and fuel level sensors
- Oil debris sensors
- Distance sensors
- Trubidity (optical)

## HMI components

- Indicators, analog/digital
- Keyboards IP68
- Stroboscope
- Lubrication control
- Encoder diagnosis
- Data collection (vibration)
- Data analyses (vibration)



Oil Mist Detectors



Vibration monitoring



Sensors for optimization and monitoring



Lubrication control with data collection

## Brunvoll Components

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