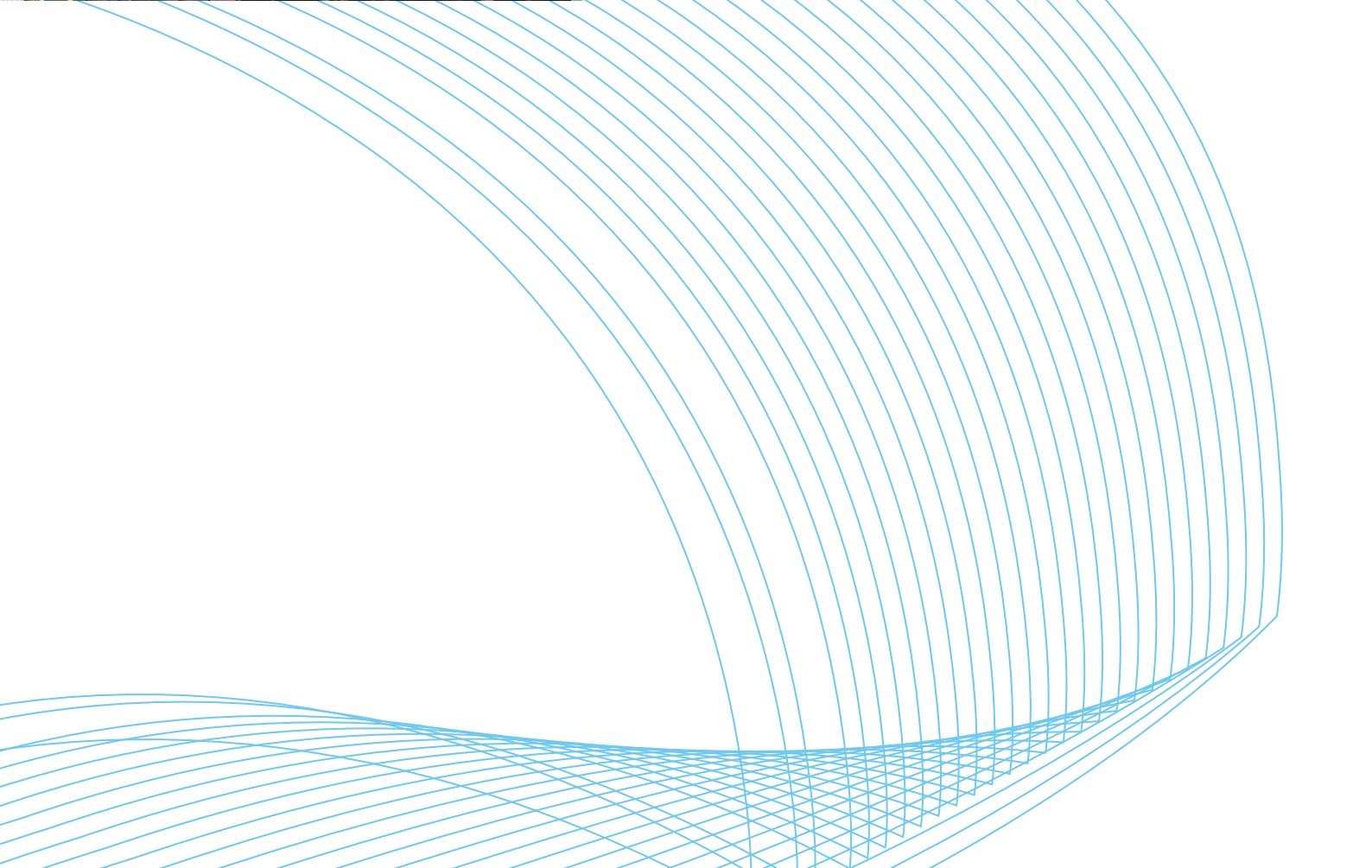


# G26 AMBIENT OIL MIST DETECTOR

LINE-OF-SIGHT OPACITY METER  
FOR DETECTION OF OIL LEAKAGES



# DETECT OIL LEAKAGE



## KEY FEATURES

- **Large area coverage per detector**
- **Avoid cost-expensive engine room fires**
- **Easy to install - minimal footprint**
- **Robust design with low maintenance cost**
- **Low cost of ownership - no consumable parts**
- **Simple & fast on-site validation**
- **Detect all types of oil**

## APPROVALS AND CERTIFICATES

- **DNV - GL type approval**
- **ABS type approval for Marine & Offshore Application**



## DETECT OIL MIST IN OPEN SPACES

The G26 Ambient Oil Mist Detector (AOMD) is designed to detect oil mist in open spaces as well as in the ventilation ducts. The system uses the latest green and solid laser technology with the double pass measurement method. The system provides the measurement in units of opacity (0-100%).

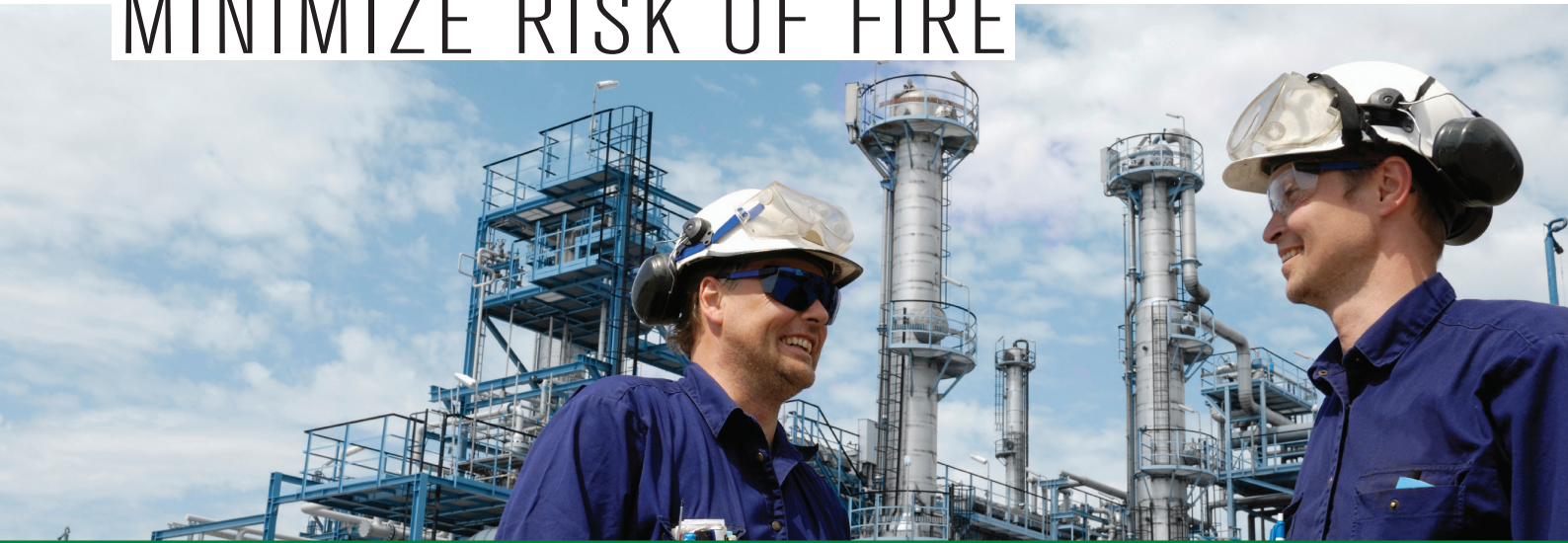
The control and monitoring unit of the G26 has an HMI for visualization and operation. The graphic visualization on the home screen shows an immediate overview of the atmospheric oil mist conditions in the locations under detection.

## FIRE RISK IN MANUFACTURING INDUSTRY

The fire risk associated with hydraulic oil systems used in any manufacturing industry is significant but is often overlooked. Under normal operating conditions, the oil is held under high pressure within a closed system. Because of the high pressure, any oil leaks from the system can be atomised and is easily ignited, but it cannot be easily detected by human eyes.

If this happens, it can result in an intense fire that will continue to burn until the fuel supply is isolated or exhausted, even in the presence of sprinkler protection. For detection of oil leakages, more and more manufacturing companies have chosen Green Instruments' G26 AOMD.

# MINIMIZE RISK OF FIRE



## PREVENT FIRE HAZARD

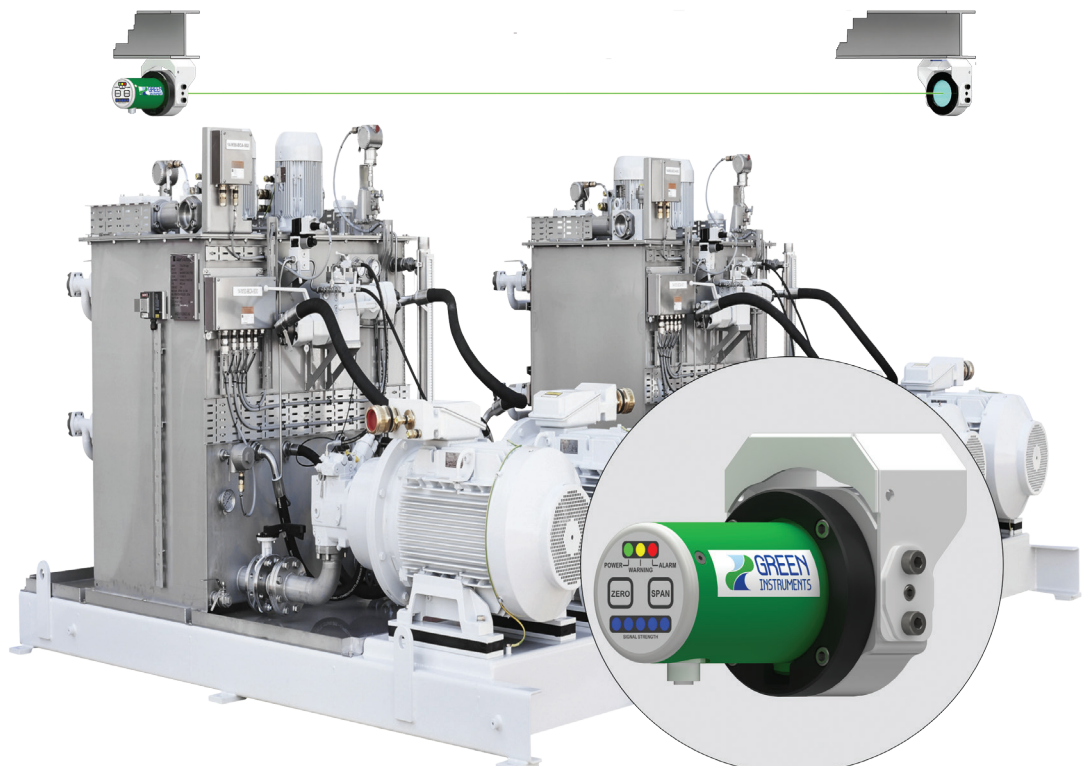
Early alarms on the formation of oil mist in the atmosphere are important to identify the risk of fire hazard, especially at the locations with high potential of oil mist generation.

The G26 AOMD provides the user with an early alarm to minimize fire hazard. The G26 has a quick response time and any minor or major oil leak will trigger the alarm even before a fire has started, thus avoiding a potential catastrophe.

## LARGE AREA COVERAGE

The G26 has several decisive advantages compared to traditional oil mist detectors. With a scanning distance from 1 to 15 meters, each G26 AOMD is able to cover a larger area, thus increasing safety in an economic friendly way.

The G26 can be configured with a number of detectors, allowing the system to monitor the oil mist in several different locations at the same time.



# SPECIFICATIONS - G26

## CONTROL AND MONITORING UNIT (SUPPORTS 2X G26)

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<b>Power supply</b>	Standard: 20 - 30 VDC- 2 A - Optional: 100 - 240 VAC - 50/60 Hz - 1.4 A
<b>Ambient temperature</b>	0 - 55 °C
<b>Communication options:</b>	All included as standard
Analog output	2 x 4 - 20 mA max. 500 Ω - active & linearized
Digital output	4 x alarm relays
Bus	Modbus TCP/IP
<b>Alarm level</b>	Alarm level is configurable Warning level is automatically set at 50% of alarm level
<b>Alarm delay</b>	Default 0 s /programmable (0 - 1800 s)
<b>Enclosure</b>	IP 65 steel box
<b>Dimension</b>	HxWxD: 300x200x150 mm/5.5 kg

## TRANSCEIVER INCL. REFLECTOR & MOUNTING BRACKETS

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<b>Measuring range</b>	0 - 100 % Opacity
<b>Accuracy</b>	Better than 2 % of full scale
<b>Scanning distance</b>	1.0 to 15.0 m
<b>Measuring principle</b>	Transmission Double Pass
<b>Ambient temperature</b>	0 - 55 °C
<b>Enclosure class</b>	B/IP 66
<b>Dimensions/weight:</b>	
Transceiver	LxHxW: 150x116x140mm/1,7 kg (incl. mounting brackets)
Reflector	LxHxW: 52x116x140mm/1,3 Kg (incl. mounting brackets)

## ASSESSORIES AND OPTIONAL

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<b>Optional</b>	Purge air module for monitoring at ventilation ducts Audit filter; Remote digital display; Audio alarm buzzer Visualization, recorder and data logging
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Specifications subject to changes without notice

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