

Press Release

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Visualizing invisible gas hazards

New MetCam optical gas detection camera

- **Continually monitors large areas for methane gas**
- **Complements gas detection systems in areas that are difficult to access**
- **Detects and visualizes even small gas concentrations**

Lübeck – The MetCam optical gas detection camera makes methane leaks visible with regard to their source and intensity even under difficult conditions. Potential hazards from escaping gases can thus be assessed more quickly and more precisely. Methane gas leaks are almost invisible to detect. Even the smallest leakage of the gas can endanger the safety of an industrial plant and cause considerable costs. In the oil and gas industry, there are often extensive or winding plant areas that are difficult to access or whose gas pipelines have many connections. This means that they are difficult to monitor with conventional gas detection systems. If a leak occurs, it is also complex and time-consuming to find it. "In addition to the plant's stationary gas detection system, the MetCam automatically monitors the plant around the clock and detects gas leaks at an early stage," explains Marcus Oertel, Dräger Product Manager.

Colored visualization of the gas cloud

In contrast to point detectors, the gas source does not have to be in the immediate vicinity of the gas camera. Its field of view is already sufficient to detect the escaping gas. This means that detection is independent of wind or other influences. The gas cloud is visualized as a colored overlay on a black and white video image. In addition, the MetCam automatically quantifies the concentration of the escaping gas. It can also be used to measure emissions, or as a surveillance camera with a color image.

Self-calibration and automatic storage of measurement data

The MetCam automatically detects when the optics are dirty or obscured and sends an appropriate warning to avoid false alarms. In addition, the MetCam carries out self-calibration at regular intervals in order to adapt to changing weather conditions. All events and measurement data are saved

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automatically.

The MetCam gas camera is manufactured by CI Systems Ltd., Texas, USA and distributed by Dräger Safety AG & Co. KGaA.

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