

FRONTLINE SAFETY CASE STUDY



OZONE & METHANE

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WHAT WAS THE HAZARD?

A wastewater treatment plant in the UK was experiencing high levels of ozone and methane in some areas of the facility, especially near the sludge digesters and the ozone generators.

PROBLEM IN MORE DETAIL

The plant operators were concerned about the potential hazards of these gases and wanted to install a reliable and robust gas detection system that could monitor the gas concentrations and alert them in case of any leaks or abnormal situations.

AT A GLANCE

Challenges

- Multiple sample points
- The harsh and corrosive environment -high humidity, temperature fluctuations, dust, dirt, and water ingress

Benefits

- Less chance of leak going undetected
- Cost-effective solution
- New alarm system ensures workers safety

AMMONIA & METHANE

WHICH SOLUTION AND WHY?

Frontline Safety used the Crowcon Xgard, a versatile and reliable gas detector that can measure Ozone (O₃) and Methane (CH₄) with different sensor types.

The Crowcon Xgard is a versatile and durable gas detector that can withstand harsh environments and operate in various temperatures and humidities. The Gasmaster panel is a user-friendly and flexible controller that can display up to four gas readings simultaneously, as well as alarm status, system faults and calibration requirements.

The customer was very satisfied with the performance and reliability of the Crowcon Xgard and Gasmaster system, which provided them with continuous and accurate monitoring of ozone and methane levels in their facility. The system also improved the safety and comfort of the plant workers, who could now work with confidence and peace of mind.