



Gas Detection in Oil and Gas Applications

Products produced from oil and gas applications are used throughout the world as fuel or are used in the petrochemical and chemical industries. Personnel exposed to toxic gases throughout various processes within the industry add the risk of asphyxiation, burns, cancer, and system corrosion.

LNG and LPG

Highly flammable, liquefied natural gas (LNG) and liquified petroleum gas (LPG) gas requires monitoring during every step of its production, (including compression and odorization), storage, transportation, and distribution.

Downstream

Toxic gases can be released during processes including the refining of crude oil, and the processing and purifying of raw natural gas that produces petroleum products. Additionally, petrochemical plants utilize the petroleum and gas products to produce ethylene, benzene, and more.

Mid-Stream

The transportation and storage of oil and gas from the well to the refinery or natural gas processing plant by pipeline, rail, barge, tanker, or truck can release various toxic gases and chemicals into the atmosphere.

Petrochemical

Petrochemical are derived from either petroleum or natural gas, which are two highly combustible products. Petrochemicals bring significant risks during production and specific applications include acid production, inert gas blanketing, emission testing, and more.

Upstream

Exploration and production is often conducted in harsh environments where combustible and toxic gases may exist. It is important to have proper detection that can withstand the corrosion, extreme weather and other conditions found on off-shore rigs.

To reduce the potential risks to life, property and the environment, the oil and gas industry is required to adhere to mandatory safety practices. Portable and fixed gas detection systems, as well as flame detection, play a critical role in monitoring the environment for hazards.



Otis Instruments offers a variety of wired and WireFree easy-to-use, robust and configurable gas detectors capable of detecting both toxic and non-toxic gases for diverse oil and gas applications.

To learn more about our gas detection solutions for the oil and gas industry, contact Otis Instruments today.