

Gas Detection in the Petrochemical Industry

Derived from either petroleum or natural gas—two highly combustible products—petrochemicals bring significant risks during production. Determining the right gas detection system is dependent upon on the process and what is being produced.

Our depth and breadth of experience, as well as our gas detection products, are the best in the industry. Proven sensor technology allows us to provide a solution for the most demanding petrochemical applications. We also can provide an integrated solution for flame and gas detection.

Specific Applications

- Acid production
- Confined space entry
- Data-logging/industrial hygiene—workplace exposures
- Emission testing
- Fixed point
- Hydrocarbon production
- Inert gas blanketing
- PPM hydrocarbon leak detection
- Shutdown and turnaround
- Specialty chemical production
- Valve and flange check points

Potential Hazards

- Acetone
- Ammonia
- Benzene
- Bromine
- Carbon monoxide
- Chloride
- Chlorine
- Chlorine dioxide
- Chloromethane
- Ethylene
- Ethylene oxide
- Hydrochloric acid
- Hydrogen sulfide
- Methylene
- Methyl ethyl ketone
- Nitric acid
- Phosphine
- Propylene
- Sulfur dioxide
- Sulfuric acid
- Toluene
- Volatile organic compounds
- Xylene
- Combustible gases
- Oxygen deficiency/enrichment