

# Protecting Chemical Plants from Fires and Ignitions Saves Lives and Reduce Losses

## Keeping an eye on your safety

The chemical industry uses and produces hazardous substances, including toxic and hydrocarbon gases. Every facet of chemical processes must be carefully monitored to ensure the safety of personnel, equipment, and the general population

Chemical manufacturers that mix and distill combustible chemicals must have in place intelligent flame and gas detection systems, particularly in distillation columns and tank farms. At the same time, distributors of chemicals must use gas-monitoring systems to detect leaks in tanks, pipelines, mixing equipment, valves, and compressors.



## Challenges

- Reduce the high number of accidents and incidents
- Optimize fire and gas detection coverage
- Increase system safety and efficiency
- Reduce the time spent (lost) on incident management
- Lower cost of ownership of detection equipment

## Solutions

Spectrex's gas-detection systems are ideal for detecting a wide range of gases and flames in chemical plants.



### The Next Generation of SharpEye™ Quad-Sense™ 40/40 Flame Detectors

- field-proven, reliable detectors that provide the fastest, longest detection of hydrocarbon -based fuel and gas fires.



**Quasar 900** - open-path detection system that provides innovative continuous IR technology monitoring for combustible hydrocarbon gases at very low concentrations, ensuring reliable and accurate protection.



**SafEye Quasar 950 open-path H<sub>2</sub>S gas detector** - open-path toxic gas detectors for hydrogen sulfide, which is pervasive in chemical plants. The detectors provide extremely reliable detection in all weather conditions.



**SafEye Quasar 960** - open-path toxic gas detector for ammonia (NH<sub>3</sub>).

In the chemical industry, minimizing risk, reducing the number and severity of fire-related incidents and ensure work safety are a must. Spectrex's products rapidly detect and prevent fires keeping your plant and personnel safe.