

INCREASED PLANT SAFETY BY OPTIMIZED GAS & FLAME DETECTOR COVERAGE



Increase Your Plant's Safety and Productivity Through Expert Selection and Positioning of Flame and Gas Detectors

Industrial applications and processes often involve the use or manufacture of dangerous flammable, toxic and asphyxiating gases. Inevitably, these gases can escape, threatening those working within plants and those living nearby. Incidents may escalate, resulting in environmental pollution, explosions and/or loss of life – as well as serious reputational damage.

Industrial companies are therefore under significant pressure to minimize the impact of potential hazards. To do so, they must navigate a complex web of fire and gas codes, standards and local regulations.

Honeywell understands these pressures. Our Safety and Fire & Gas portfolios feature world-class fire and gas services that help our customers mitigate industrial incidents, keeping people and plants safe.

These services, which collectively provide optimum detector coverage in a facility by quantifying and modelling the required number of gas and flame detectors, include:

- **Fire and Gas Performance Target Selection** – Determines requirements for coverage, availability and mitigation action using semi-quantitative and fully quantitative approaches.
- **Fire and Gas Instrumented Function (FIF) Development** – Establishes detector type, set points, voting logic, executive control action – all key functions within a fire and gas system.
- **Fire and Gas Detector Selection Guidance** – Provides guidance on the best detection solutions for specific applications.
- **Fire and Gas Detector Coverage Assessment** – Identifies the optimum number of detectors for a designated coverage area by using commercial mapping tools.
- **Detector Availability Assessment** – Determines the availability of fire and gas system elements.
- **Fire and Gas Requirement Specification (FGRS) Development** – Creates a design blueprint for a fire and gas system, specifying the type, number, location and functionality of system elements.
- **Detector Placement Validation and Support** – Optimizes the layout of fire and gas detectors to eliminate issues such as insufficient coverage and spurious trips.

About Honeywell Fire & Gas Solutions

Honeywell's layered approach to safety encompasses an integrated fire and gas solution that integrates seamlessly with Experion® PKS and Safety Manager. The solution helps users respond rapidly and coherently to safety issues, ensuring maximum plant uptime while protecting people, assets and the environment.

For more information

Learn how Honeywell's Fire & Gas Solutions can improve safety, security, productivity and profitability. Visit Integrated Fire & Gas Solutions or contact your Honeywell account manager.

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