ISA-TR84.00.07-2018 HAZARD DETECTION REVIEW

FLAME | FLAMMABLE GAS | TOXIC GAS

Fire Engineers often use optical flame and gas detectors in industrial facilities, where conventional hazard detection methods are unsuitable. One of the most challenging activities for Engineers is ensuring the location, quantity, and type of detectors are correct.

An ISA-TR84.00.07-2018 Hazard Detection Review details the coverage, placement, and type of flame and gas detectors required to ensure a safe, optimised system.

Features and Benefits

ISA-TR84.00.07-2018 Hazard Detection Review

- Performance-based hazard detection review carried out using **HazMap3D.**

- Detailed assessment showing coverage, quantity, type, & location of detectors required to achieve a safe system.

- Detector voting strategy tailored to site and client needs.

- 3D Model of site delivered as part of the review.

Trusted Compliance

- Auditable paper trail detailing hazard detection design.

- The client can submit the review to Insurance companies and Safety Regulators to demonstrate a safe design.

- Assurance that the detection system is optimized and not over or under-engineered.

ISA-TR84.00.07-2018 Review Process

The inputs of an ISA-TR84.00.07 review include hazard identification and a site-specific risk assessment.

The philosophy is then defined, which details the technology employed, detector set points, performance requirements, and the environmental conditions.

Our consultants then select the mapping methodology, which could be prescriptive or performance-based. In most instances, it will be performance-based.

We then analyze the site to calculate coverage and ensure performance requirements are correct.

The Consultant will complete the performance target review and present the findings in a simple, concise report.

The Micropack advantage

Micropack's trusted expert knowledge has been hard-earned through years of dedicated Fire and Gas work both onshore and offshore.
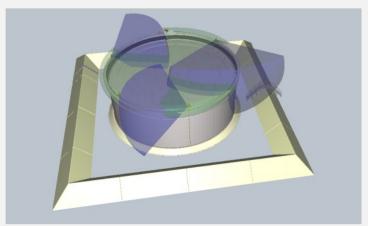
Our consultants have mapped the fire and gas detection coverage of many of the world's most extensive oil and gas and petrochemical facilities. As pioneers in the field of fire and gas mapping, our experience provides peace of mind for the safety of your hazard detection systems.
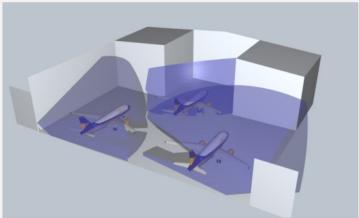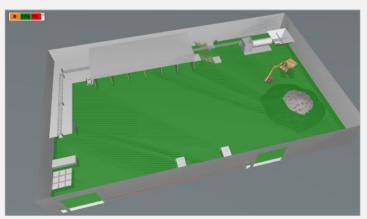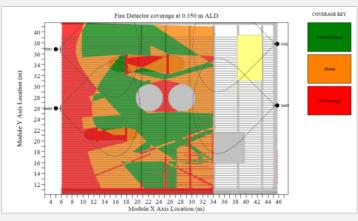
Typical Applications

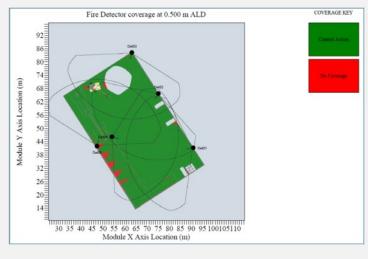Aircraft Hangars | Waste Recycling Facilities | Industrial Buildings | Tank Farms | Manufacturing Facilities

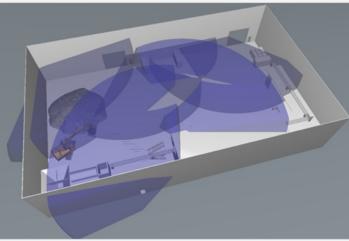Food & Beverage Industry | Car Parks | Warehousing & Distribution Centre's | Fueling Stations

Visual Flame Detection
Multi Spectrum Flame Detection
Fire & Gas Consultancy
3D Fire and Gas mapping software