

Hazard Detection Review Service

Defining the ideal location, type and quantity of gas detectors and flame detectors for industrial applications has traditionally relied upon site evaluation by trained and highly experienced engineers. Gas detector placement especially presents challenges due to the complex nature of gases, and the hazard they present to personnel and facilities. Health and Safety Managers are increasingly required to demonstrate the rationale behind the selection of the safety systems deployed on their sites.

Crowcon can provide a detailed report based on 3D site images which identifies gas and flame hazards and recommends detector quantities and location in-line with the British Standard BS 60080:2020.

> Features and Benefits

BS 60080:2020 Hazard Detection Review

- » Performance-based hazard detection review carried out using sophisticated software analysis.
- » 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 Health and Safety Executive to demonstrate a safe design.
- » Assurance that the detection system system is optimized and not over or under-engineered.

BS 60080:2020 Review Process

The inputs of a BS 60080 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 analyse 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 Crowcon Advantage

At Crowcon Detection Instruments, we have a passion for gas detection. We want to grow a safer, cleaner and healthier future for everyone, everyday providing the best in gas safety solutions worldwide.

For over 50 years, Crowcon has been manufacturing high quality gas detectors with a reputation for reliability and technical innovation.

Crowcon offers fixed and portable gas detection equipment based on expertise in mechanical and electronic design and software development and an understanding of the physics and chemistry of gas detection.



> Typical Applications

- » Waste Recycling Facilities
- » Manufacturing Plants
- » Tank Farms
- » Clean and Waste Water Processing Plants
- » Warehousing and Distribution Centres
- » Aircraft Hangars
- » Fuel Stations Oil & Gas Production and Processing Facilities

