



## Fire Life Safety Systems Kiwa Fire Safety Compliance

Forming part of our premium Fire Engineering capability is our knowledge and world leading competence in Fire Life Safety Systems, itself an integral component of any fire safety strategy.

We are specialists in the design, specification and inspection of Fire Life Safety Systems and can advise on the most effective use in any building type from high rise buildings and commercial properties to heritage sites.

Kiwa Fire Safety Compliance have the client, construction, maintainer and manufacturer experience to enable us to provide consistent approvals against our professional indemnity for any engagement whilst working with the client to ensure co-compliance. This ensures the life safety and passive fire engineering are fit for purpose and functioning cohesively whether in normal day-to-day operation or during an incident.

Our extensive knowledge of residential and commercial fire protection systems, means we can help you to identify and solve any potential risks that may arise during the life of the building. Forming part of this unique service is our ability to provide, cost efficient, statutory knowledge and our capability to develop tailored fire engineering fire safety strategies through to actualisation.

Taking a pragmatic and impartial consultative approach, we are proven specialists in assessing a project in order to provide consistent and actionable advice for the design of fire life safety systems; this includes reviewing new or existing systems, specification writing, supporting a tender process, providing indicative or detailed designs, acting as an independent witness, providing verification against current regulations and codes of practice. all with a pragmatic view.



Intelligent and effective system design, regular maintenance and inspections provide peace of mind and ensure you have a robust legal stand point. Remember, even the smallest of alterations to a building design can reduce the effectiveness of even the most resilient of systems.

### FIRE DETECTION SYSTEMS

Early detection is a vital component of any life safety/fire protection scheme. It is equally critical that the type of active fire protection system designed is best suited for the environment that it is protecting to ensure it will perform as required and intended.

Kiwa Fire Safety Compliance have the unique capability and experience to offer bespoke detection system design services and comprehensive inspections to ensure your existing system will perform properly if a fire breaks out.

Our highly knowledgeable Fire Life Safety team are qualified to undertake any design projects or tackle any system issues you may have, in order to increase the likelihood, of preservation of life, minimise damage to property and increase efficient firefighter intervention.



With our fire engineering knowhow we will be able to incorporate the most appropriate methods of detection for your building: Air Aspirating Detection, Thermal Detection, Video Smoke Detection, Wireless Systems, Beam Detection, UV / IR Flame Detection, Gas Detection

### ALARM/WARNING SYSTEMS

Almost all types of building need some type of alarm and warning system and it is essential to ensure that the fire alarm, detection and warning systems are specified, design, installed and continue to operate correctly.

These systems employ sensory methods to alert inhabitants to a potential emergency and can direct occupants on how to evacuate safely.

Our engineers are regularly called upon to design and inspect all types of life safety alarm and warning systems including:

- ✓ Emergency Voice Communication
- ✓ Emergency Assist Alarms
- ✓ Visual Alarm Devices
- ✓ Emergency Lighting
- ✓ Statutory Signage

We can assist in the selection, specification and design of these increasingly used systems, in accordance with both British and international standards, as well as acoustic modelling, to ensure building occupants are informed of a potential emergency at the earliest opportunity.

Kiwa deliver robust, innovative and cost-effective fire safety solutions to a range of diverse clients. We have extensive expertise across the built environment including every day buildings such as; residential, education facilities, healthcare and retail spaces, as well as niche buildings such as historical royal palaces and stately homes.

### SUPPRESSION SYSTEMS

Suitable for almost all types of building regardless of complexity or age; from industrial plants and off-shore facilities to urban residential blocks or heritage sites; automatic suppression systems are increasing seen as an essential element for both life and property protection.

Ill-fitted, inappropriate or deteriorating products and systems can have detrimental effect on any buildings risk profile. Inspections and ongoing maintenance are therefore an important part of the successful prevention and protection of buildings whether they are a new build out of warranty or historic.

Kiwa Fire Safety Compliance can assist with all aspects of the design, specification and ongoing inspection of residential and commercial suppression systems, providing peace of mind that occupants' lives and your buildings are adequately protected.

Our extensive knowledge of the latest standards and the practical applications of all residential and commercial fire suppression systems, means we can help you identify and solve any potential risks that may arise during the life of the building.

- ✓ Sprinklers
- ✓ Water Mist
- ✓ Preventative Foam
- ✓ Chemical
- ✓ Oxygen Reduction
- ✓ Non-toxic gaseous

Visit [www.kiwa.co.uk](http://www.kiwa.co.uk) to understand more about our comprehensive range of services or call +44 (0)1844 275500