

# Smart, comprehensive fire safety solutions

## Advanced protection for people, assets and services

### What we do in fire safety

Our capabilities in fire safety include the manufacture, design, installation, integration, commissioning and lifecycle support of life critical systems and we employ an extensive product research and development team to ensure our risk management portfolio remains innovative; to date Siemens has delivered 100+ million fire detection devices worldwide.

We create safe environments, delivering first-rate protection, maintaining business continuity and managing risk. In particular we operate in challenging environments where specialist fire safety knowledge and services are required.

As demands on organisations grow more complex, the requirement for interoperable, advanced fire safety is more urgent.

You can rely on our innovative solutions to stay up to date with the latest technological developments. With state-of-the-art detection, alarming, evacuation, extinguishing and fire management systems, we can provide tailored solutions that offer maximum protection, meet high standards and deliver business continuity.

### Smart fire detection

The Sinteso range of advanced detection technology is designed to reduce the overall cost of system ownership over several years, by offering high asset availability and more efficient use of engineering manpower through single rather than dual manpower testing.

Importantly, every detector is a smart detector. The reliability and intelligence of the Sinteso detector is unrivalled and it offers you the highest levels of protection for your people and assets at all times.

With built-in intelligence, detectors evaluate each situation minute by minute and take decisions on complex criteria, eliminating the potential for unwanted alarms due to environmental influences. Sinteso detectors will only alarm when there is real evidence of fire.

Each device will adapt to reflect environmental changes in room usage. If there is power failure, there is no loss of device, alarms are still reported and sounders operate, and 'cause & effect' is maintained throughout the entire fire system.

Sinteso systems are supported by a unique range of smart tools and testing systems that provide full functionality during the test process, and no loss of coverage.

### ASDs for demanding environments

For high risk environments that cannot be managed with conventional detection and very early and accurate fire detection is paramount to safety, risk management and business continuity, Siemens Aspiring Smoke Detectors (ASDs) are deployed.

These consist of a central detection unit which continuously draws air through a network of sampling pipes with multiple holes to detect smoke, providing earlier levels of detection than standard devices. Speed of detection is crucial as it enables intervention at the earliest opportunity and prevention of further escalation.

For greater accuracy Siemens utilises both blue and infrared light wavelengths, enabling the detection of minute airborne particles produced in the earliest stages of overheating or open fires. As a result, they offer an extremely high level of reliability with absolute immunity to false fire phenomena.



### Clean fire extinguishing

For high-risk environments where water damage to assets and materials can outweigh that of an uncontrolled fire, our comprehensive Sinorix clean agent portfolio comprises solutions with naturally occurring inert gases and chemical extinguishing agents.

Our fire suppression technologies protect critical locations such as data, computing, electrical and telecommunications rooms, as well as safeguarding museums, galleries and heritage buildings.

Inert gases displace air during the discharge; this reduces the oxygen ratio of the protected area to extinguish the fire without endangering life.

As the gases are chemically inert, the protected equipment remains undamaged. Furthermore, maximum agent retention delivers the longest possible protection, which is crucial to today's high-availability applications.

Our Sinorix Silent Nozzle has been developed to counter the potential damage to hard disk drives (HDDs) when using gas suppression systems to extinguish fire in data centres and critical data environments. This technology ensures noise levels during extinguishing remain below critical levels.

### Voice alarm and evacuation

Key to ensuring life safety is the ability to manage phased and orderly evacuation in the event of an emergency. Siemens offers sophisticated audio streaming voice systems for automated and live messaging, that deliver high performance messages across multi-level, multi-occupancy estates and also operate as an advanced public address system.

### Bringing it all together with Desigo CC

Desigo CC is a fire safety management platform that delivers greater visibility of events and alarms, facilitating a fast and efficient response, displaying the status of fire detection devices in real time and improving safety by adopting a rule-based response to incidents.

Fire safety incidents can emanate from multiple sources and devices and your operatives will find the software responsive, intuitive and comprehensive, providing increased situational awareness and an automated workflow.

Desigo CC offers flexible, full client server architecture, enabling scalability from small and medium, to large and complex fire safety systems. You will benefit from major advances in fire safety software development and gain from greater cyber protection.



### Lifecycle support

As well as choosing the right technology, you also need to consider future test, inspection and maintenance, as these will play an important role in ensuring your investment continues to deliver high level performance and long-term value. With Siemens as your service provider, you are not only benefitting from the best of technologies, but also enhanced product knowledge, accountability and high-level support.

### Count on our capabilities

For fire detection systems we carry LPS 1014 approval and this very much predetermines our approach to design and design management; for fire extinguishing we hold LPS 1204. All of our operational staff from sales through to engineering and senior management are fully trained, through an accredited course, on all parts of BS 5839. This is the code of practice that prescribes the manner in which fire systems are designed, installed and serviced in the UK.



**Protection matters, come direct to Siemens**

**Contact us for a consultation: [firesafetyandsecurity.gb@siemens.com](mailto:firesafetyandsecurity.gb@siemens.com)**

Siemens security  
& fire safety

Technology  
manufacturer

Solution  
design

System  
integration

Install &  
commission

Service &  
support

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