



# Healthcare

## Hospitals and Care Homes

### The Challenge

Although the design, size and layout of hospitals around the world varies, the risk to patients and staff in case of a fire remains significant. Many of the patients are bedridden or sleeping and the number of staff at any point in time is not usually enough to evacuate all of the patients quickly in case of an emergency.

Many hospitals are however designed as fire-safe structures and careful consideration is given to fire safe layouts, compartmentation and fire-safe evacuation. This however, does not negate the need for active fire safety measures.

Tyco Fire & Integrated Solutions has developed a wealth of experience in developing an Integrated Risk Management Approach to the protection of the Healthcare Industry.

Regularly working in partnership with Healthcare Authorities throughout the world, there is no imaginable fire and safety risk within a hospital or elderly care home that we have not encountered and neutralised.

For example, in the UK alone, our records show that during the past 18 months we have completed over 130 individual projects involving a wide range of products and systems.

It is therefore hardly suprising that Tyco Fire & Integrated Solutions is a preferred supplier with a proven track record within the Healthcare Industry.



**tyco**

*Fire & Integrated  
Solutions*

*a vital part of your world*



Our Integrated Fire and Security strategy includes sprinkler systems, fire detection, public address, voice evacuation and access control and Intruder alarm systems for general areas.

These are backed up by fire & security doors, fire extinguishers and hose reels particularly in corridors and public areas that are critical to evacuation.

Higher risk areas or areas requiring special protection can be protected with stand-alone independent systems. For example, deep fat fryers in the hospital kitchens and cafeterias which are high risk require customised protection.



Emergency standby generators which are critical in case of power failure can be protected by stand-alone Microdrop® high pressure watermist systems. These systems are extremely efficient in controlling and extinguishing hot fires involving emergency standby generators.

In the event of a fire, they rapidly bring the fire under control and extinguish the fire. The cooling effect of Microdrop® high pressure water mist on hot metal surfaces is ideal in preventing re-ignition of the fuel supply to the generator. MicroDrop® high pressure water mist is also ideal for the protection of Hospital Record Archive Rooms.

“Critical Areas” within the healthcare industry usually place a heavy reliance on its electronic infrastructure. These areas can vary from the data storage of patient’s medical records, invaluable medical equipment and various automated control units from simple door openings to complex security systems. Building Management systems automatically open and shut valves, bring heating online and shutdown lights and power units. Without instant access to its electronic infrastructure and technological advanced medical equipment, the Healthcare Industry would quickly grind to an inevitable halt.

To prevent this nightmare scenario from occurring, Tyco Fire & Integrated Solutions are often called upon to protect these areas with a range of environmentally safe inert gaseous fire suppression systems. For equipment and services installed within normally occupied areas, Tyco would strongly recommend INERGEN which is totally safe and non toxic for both people and equipment. For secure and unmanned areas, depending on the risk involved, Tyco would consider the use of Carbon Monoxide gaseous fire suppression systems.



### Life Safety Sprinkler Systems

Perhaps the most visible impact of changes in attitude to life safety has been the introduction of sprinkler systems into the healthcare industry, particularly in the elderly residential care homes.

The NHS Health Building’s “Firecode” document BS5588 “Design of Fire Precautions in Buildings” has recognised the use of sprinkler systems by allowing their installation in place of more costly conventional fire prevention solutions such as compartment fire walls and fire doors etc.

The Scottish Parliament has already gone one step further by making sprinkler systems in all Scotland’s new elderly care homes a mandatory requirement.

**For further information contact your local Tyco Fire & Integrated Solutions office on: [tfis.marketing.uk@tycoint.com](mailto:tfis.marketing.uk@tycoint.com) or visit our website at [www.tycofis.co.uk](http://www.tycofis.co.uk)**

*a vital part of your world*

**tyco**

**Fire & Integrated  
Solutions**