



“To minimise the possibility of unwanted alarms we used Hochiki’s optical smoke sensors with in-built product technology to reduce alarm sensitivity thresholds in certain areas such as the corridors”

Brian Vassallo, Managing Director of Firetech

Installing Hochiki means...

- Open protocol - complete choice and flexibility
- World-proven technology dramatically reduces false alarms
- Low cost of ownership
- Preferred choice for specifiers worldwide

Intelligent



The **ESP** intelligent range incorporates a variety of high performance sensors, modules and ancillary devices to increase the ease of routine maintenance and commissioning. Enhanced System Protocol (ESP) applies Hochiki’s high integrity communications link to all products in the range.

Conventional



Hochiki’s **CDX** range covers one of the most extensive product portfolios, and provides solutions for most conventional fire detection applications, as well as security systems due to its wide voltage range (9.5~30 V dc).

Complete System



Hochiki’s **HFP** system offers a complete, flexible fire detection system which can be configured for any environment.

Emergency Lighting



FIREscape is a fully intelligent system based on LED technology and promises a flexible system low in voltage, that is simple to install and maintain, and reduces costs of ownership dramatically.

Specialist



For controlled environments, Hochiki’s **FIRElink** range consists of high sensitivity air sampling equipment that identifies the faintest traces of smoke.

Wireless



Hochiki also caters for hybrid sites with the **FIREwave** range which integrates wireless technology into Hochiki’s **ESP** hardwired system to provide maximum flexibility and meet specific site requirements.

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Your Safety, Our Technology

Healthcare Overview



How Hochiki can help you

HOCHIKI
World Class Leaders in Fire Detection Since 1918

Your Safety, Our Technology

HEALTHCARE AND LIFE SAFETY

The events that took place at the Royal Marsden Hospital in London in 2008 offered a vivid reminder of the implications of a serious hospital fire. Patients undergoing surgery at the time had to be taken off their anaesthetics and ventilators, and over 900 staff and patients had to be evacuated.

In a typical building, when the alarm goes off everyone leaves – however, this is not the case in a hospital as many of the occupants are simply unable to do so due to restricted mobility. Although most hospitals will only call the fire brigade after confirmation that there is a fire, all hospitals have to respond as soon as an alarm activates. In order to avoid unnecessary disruption, fast, accurate and reliable fire detection has a vital role to play.

Unwanted alarms are a massive problem in hospitals. In 2010-11, Bolton fire fighters were called out to more than 500 false alarms, over 100 of which came from the Royal Bolton Hospital at a cost of £2000 for each call out. In London, the size of the problem is on a much larger scale and hospitals produced 4,590 false alarm call outs in 2009-10.

PUTTING RELIABILITY FIRST

All unwanted alarms are disruptive and not without risk if people panic in the ensuing evacuation. However, if large numbers of false alarms occur it also creates an environment of disbelief and complacency, which may cause people to delay taking action when a real fire occurs – something that could prove to be deadly.

Hochiki has taken its mission to eliminate unwanted alarms to a whole new level by redesigning the chamber structure within its photoelectric smoke detector range. The result is a high performance optical chamber that is equally responsive to all smoke types and helps to reduce the possibility of unwanted alarms, as the algorithms in the devices can be adjusted to account for the different environments that they are used in. This, combined with flexible control

PROBLEMS	SOLUTIONS
Hospitals present an environment with many risks and an increased potential for many types of fire.	Enhanced sensitivity of the Photoelectric Smoke Sensor, equally sensitive to a wide range of fire/smoke types.
Hospitals present various levels of risk and as such sometimes pose specific response procedures.	The functionality to adjust sensor sensitivities (pre-alarm and alarm) to suit the specific risk.
The Healthcare environment is complex, with a multitude of risk types coupled with a large number of members of the public and patients, some of which cannot be easily evacuated.	Proven reliability and virtual elimination of false alarms due to a suite of software enhancements to the robust Hochiki ESP communications protocol.
Healthcare staff need to be signalled in the event of an alarm discreetly to avoid unduly upsetting patients, particularly the elderly and infirm.	Hochiki offers a wide range of sounders capable of emitting a selection of tones at differing volumes as well as a range of visual alarm devices fully compliant to EN54 Part 23 to suit any environment or requirement based on the risk assessment.
The costs to the Trust to mobilise a Fire Response Team in a typical hospital can amount to well over £1000, false alarms cause undue panic but more importantly, incur a huge waste of resources.	Added flexibility, low cost of ownership to the end user and the benefits of the enhanced, virtually error-free communications protocol (ESP) ensure Hochiki's products remain cost-effective, reliable and problem-free.



equipment software, provides unrivalled levels of flexibility and reliability.

COST EFFECTIVE

The lifespan of a fire detection system is generally considered to be in excess of 10 years. Therefore, although the initial cost of the system is important, the total cost of ownership – maintenance, servicing, breakdown charges and product replacement costs – can be many times higher than the initial investment.

A reliable high quality fire detection system from Hochiki will ensure that unwelcome and disruptive incidents will be all but eliminated, and that the costs associated with ensuring that it remains fit for purpose are kept to a minimum.

Hochiki is considered as best in class and what's more, it can prove it.

After carrying out a survey of its customers' views regarding the quality and reliability of its products and the standard of its customer service, a staggering 96 per cent of respondents rated the company's product quality as 'good' or 'excellent'.

Nearly 90 per cent reported that its products met all their requirements and 87 per cent rated the quality of its service as 'good' or 'excellent'.

HOCHIKI - THE LEADER IN INNOVATIVE LIFE SAFETY SOLUTIONS

For almost 100 years Hochiki has led the way in the design and manufacture of innovative life safety solutions. Its cutting edge commercial and industrial fire detection and emergency lighting products have acquired global acceptance as the benchmark for high integrity and long-term reliability.

Hochiki's vision is to provide products and systems that achieve the highest levels of quality. Its range of products virtually eliminates unwanted alarms and, combined with ease of installation, results in unsurpassed dependability and the lowest total cost of ownership possible.

With a global annual sales turnover exceeding £400m Hochiki is a wholly independent, multinational, publicly listed company with over 1,500 employees working across five manufacturing plants, 31 sales offices and 18 subsidiaries.

Its ongoing commitment to manufacturing innovation ensures customer satisfaction and its production facilities in Japan, the USA and Europe offer international continuity in quality, service and supply.

EXCELLENCE AS STANDARD

Hochiki offers complete solutions for all fire detection and emergency lighting requirements. The Enhanced Systems Protocol (ESP) is a digital communications solution for intelligent fire detection and fully integrated systems, while the CDX range provides solutions for most conventional fire detection applications.

The company also has a range of solutions suited to more specialised environments. This includes the FIREwave wireless fire detection system for use in locations where minimum disturbance to the fabric of the building is important, the FIRElink aspirating solution and the FIREvac voice evacuation system. These are perfectly complemented by FIREscape, Hochiki's pioneering LED based emergency lighting system.

The company's manufacturing plants are accredited to ISO 9001 and through objectives and targets outlined within its corporate environmental policy and ISO 14001 certification, Hochiki is constantly developing new ways to reduce its environmental impact.

'For almost 100 years Hochiki has led the way in the design and manufacture of innovative life safety solutions.'