



## HEALTHCARE

## COMPANY OVERVIEW

Established in Japan in 1918, Hochiki is a wholly independent, multinational, publicly listed group of companies with over 2000 employees working across six manufacturing plants, 38 sales offices and 14 subsidiaries.

One of the world's leading manufacturers of commercial and industrial fire detection and emergency lighting solutions, Hochiki has acquired global acceptance as the benchmark for high-integrity and long-term reliability.

Hochiki's facilities in Japan, the United States of America and Europe design and manufacture products and provide technical support suited to local standards and customer requirements. Total commitment to meeting the needs of individual national markets has reinforced the company's global reputation, resulting in Hochiki products being installed in many prestigious sites and in over 80 countries worldwide.



STATS TAKEN FROM THE HOCHIKI CUSTOMER SERVICE SURVEY DECEMBER 2016

91%

Respondents rated product quality as either 'very good' or 'excellent'

92%

Customers stated our market reputation is 'very good' or 'excellent'

88%

Customers are most likely to recommend our products

## 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 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.



# HEALTHCARE PROBLEMS & SOLUTIONS

## PROBLEMS

Hospitals present an environment with many risks and an increased potential for many types of fire.

Hospitals present various levels of risk and as such sometimes pose specific response procedures.

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.

Healthcare staff need to be signalled in the event of an alarm discreetly to avoid unduly upsetting patients, particularly the elderly and infirm.

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.

## SOLUTIONS

Enhanced sensitivity of the Photoelectric Smoke Sensor, equally sensitive to a wide range of fire/smoke types.

The functionality to adjust sensor sensitivities (pre-alarm and alarm) to suit the specific risk.

Proven reliability and virtual elimination of false alarms due to a suite of software enhancements to the robust Hochiki ESP communications protocol.

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.

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.

## 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.



## 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 drawamatically.



## SPECIALIST

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



## HYBRID WIRELESS

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



## HOCHIKI - THE LEADER IN INNOVATIVE LIFE SAFETY SOLUTIONS

Hochiki is a wholly independent, multinational, publicly listed group of companies with over 2000 employees working across six manufacturing plants, 38 sales offices and 14 subsidiaries. For almost 100 years Hochiki Corporation has led the way in the design and manufacturer of innovative life safety solutions. Its leading 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 European headquarters were established in 1993 in the UK. Operating under Hochiki Europe, the business provides advanced fire detection and emergency lighting systems across the UK, Europe, Middle East, Africa and India. At present, Hochiki Europe builds in excess of 500,000 conventional and intelligent detectors and ancillaries per year at its purpose-built production facility.

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Business Member



Fire Industry Association



Affiliate Member



**Your Safety, Our Technology**