HOCHIKI

World Class Leaders in Fire Detection Since 1918



Range Overview

HOCHIKI'S MARINE APPROVED INTELLIGENT AND CONVENTIONAL PRODUCTS HAVE BEEN DESIGNED AROUND THE EXISTING WORLD-PROVEN ESP AND CDX RANGES ARE APPROVED FOR MARINE USE BY DNV TO THE MED APPROVAL SCHEME.



WHAT IS THE MED MARINE APPROVAL?

The M.E.D. 96/98/EC Directive is an initiative of the European Commission (EC) in the European Union (EU) set up with the intention to reduce costs for the end user by having a simplified classification model for marine approvals.

All approved and authorised products, including Hochiki's, are stored in the MarED database, which to date contains more than 35,000 datasets about products approved under the EU Marine Equipment Directive.

Products are strictly tested by third-party approval body, DNV (Det Norske Veritas) for use in the marine environment before being granted an approval certificate.

IDEAL FOR MANY ENVIRONMENTS

The Marine range is adaptable to a broad range of environments and applications. From small to very large areas, the range can be utilised to fit many applications such as -

- Ships and Submarines
- Oil platforms
- Off-shore Installations
- Wind Farms

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.



91%
of customer reviews rated our product quality as "VERY GOOD" or "EXCELLENT"

88%
of our customers are extremely likely to recommend our products based on quality

92%
of our customers rated us as VERY GOOD or EXCELLENT.

Statistics from the Hochiki customer service survey

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.

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Marine

Case Study

Margate Offshore Wind Farm

HOCHIKI LIFE SAFETY PRODUCTS ARE THE 'GO TO' BRAND WHEN IT COMES TO KEEPING ONE OF THE UK'S BIGGEST OFFSHORE WIND FARMS OPERATING SAFELY.

For a country once solely reliant on coal to power its homes and businesses, the UK is now the leader in offshore wind energy. Encouragingly, today 44% of the UK's electricity comes from renewable sources – a figure expected to grow to meet the UK's climate goals of net-zero emissions by 2050 and 40 GW of offshore wind by 2030.

One of the facilities helping to achieve this greener goal is the Margate offshore Wind Farm, operated by London Array. Generating about £1million worth of electricity a day when all 175 turbines are in operation, this wind farm produces enough electricity to power half a million UK homes a year and reduces harmful CO2 emissions by around 925,000 tons per year. But with this incredible achievement, comes the awesome responsibility of keeping the people who are helping to make this green energy production a reality, safe. KM Security Solutions are the contractors responsible for the security, fire safety and evacuation systems on board the offshore and onshore substations, and for them life safety is the number one priority. Therefore, they say Hochiki are their 'go to' manufacturer when it comes to the installation of fire detection products at the sites they operate.

Dan Smith, Technical Services Manager for KM Security Solutions explains: "The constant change in weather combined with sea-salt spray makes offshore wind farms an incredibly hostile environment to work in, not only for people but also for the systems, cabling and devices that help to run it and keep it safe. Anyone who steps foot on one of the wind farm rigs must be highly skilled and trained. All my teams undergo intensive, and ongoing, training to ensure they keep themselves and those around them safe. Therefore, it's imperative we install life safety devices that won't let the teams and premises down in an emergency."

Having worked with Hochiki for well over a decade, Smith described this latest project at the wind farm which paved the way for the current generation of even larger wind farms being built around Britain's coastline, as a refresh of the existing Hochiki technology and systems. "We have been using Hochiki products for well over a decade now. Not only do we trust them to work, but we also trust the devices to last. When you are out at sea, even a few miles off the coast, the weather can change in an instant, and decay is a big problem to tackle. You need to ensure that the life safety products you install are fit for purpose and more importantly weatherproof. The Hochiki products specified are designed to be waterproof and have lasted extremely well. Which is incredible considering *the environment they are operating in. Flexibility is key*

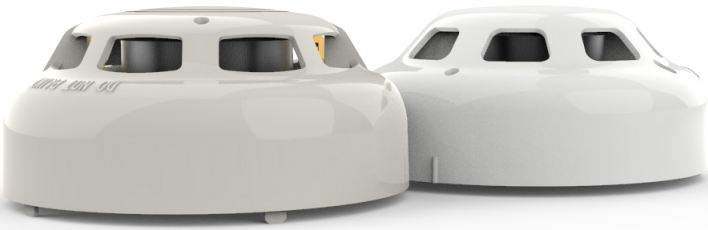
For this unique and vital project Visual Alarm Devices (VADs) combined with the CHQ-WPK Weatherproofing Kit, IP-rated manual call points and the Hochiki FIREvac Voice Alarm system was installed across the windfarm's sub-stations. As well as being simple to install, one of the USPs of Hochiki Life Safety devices is the flexibility to be able to operate alongside other brand products via Hochiki's open protocol, ESP. Although Hochiki do manufacture their own fire control panels, such as the L@titude platform, in the case of the Margate Wind Farm project, a control system was already in place, and it was the devices which needed the upgrade. "We do look at other companies, to ensure we are using the best in class, however every time we come back to Hochiki products for several reasons - the main one being the innovation in technology and flexibility the Hochiki range offers us."

The other benefit is the fact that Hochiki provide isolating devices. When you consider the scale of a life safety system on board a Wind Farm Rig, you can imagine the chaos that would ensue should part of the system fail. "Failures can arise from parts of the system experiencing erosion from the weather, where plastic parts can break down, allowing water ingress, causing short-circuits which could impact the entire life safety system onboard. Using the isolating devices from Hochiki prevents an entire system from going down, isolating only the part that has failed, saving time, money, and materials. It allows us to go in as part of our ongoing maintenance project and upgrade parts as and when needed without the need for huge overhauls." The other added benefit of Hochiki isolating devices is, and particularly prudent in a facility which is helping protect the environment, is the reduction in waste, as only the part that no longer works is replaced, not an entire system.

When asked if Smith would recommend Hochiki "absolutely, 10 out 10. We are about to start new projects on several other offshore wind farms around the UK and Hochiki will once again be our go to brand for life safety systems."

Marine Approved

Product Range



INTELLIGENT MARINE RANGE

Hochiki's comprehensive ESP Marine Analogue Addressable range is suitable for even the most demanding applications and incorporates high performance sensors, a selection of input and output modules and ancillaries. All products use Hochiki's high integrity communications link 'ESP' (Enhanced Systems Protocol) that's at the heart of the ESP range.

- Driven with the world proven, virtually error free ESP Protocol
- Exceeds the performance requirements of EN54
- Rapid response communication - ensures fastest panel notification and greater life safety
- Approved to MED by DNV
- Designed and manufactured to ISO9001.

CONVENTIONAL MARINE RANGE

Hochiki's CDX marine-approved Conventional range offers solutions for most conventional marine fire detection applications.

- Extensive range providing flexible solutions
- Rapid, reliable installation
- Approved to MED by DNV
- Designed and manufactured to ISO9001.

CDX RANGE OF DEVICES

MCP1A
Marine Conventional Manual Call Point

WCP1A
Marine Conventional Weatherproof Manual Call Point

DCD-AE3M
Marine Conventional Combined Rate of Rise & Fixed Temperature Heat Detector (60°C)

DCD-CE3M
Marine Conventional Combined Rate of Rise & Fixed Temperature Heat Detector (90°C)

DRD-EM
Marine Conventional Flame Detector

SOC-E-IS/M
Intrinsically Safe Marine Conventional Smoke Detector

SOC-E3NM
Marine Conventional Photoelectric Smoke Detector

YBN-R/6M
Marine Conventional Electronics Free Mounting Base

ESP RANGE OF DEVICES

ACC-ENM
Marine Analogue Multi-Sensor with SCI

ALN-ENM
Marine Analogue Optical Smoke Sensor with SCI

ATJ-ENM
Marine Analogue Multi-Heat Sensor with SCI

YBN-R/3M
Marine Short-Circuit Isolator Base

YBN-R/3(SCI)M
Marine Approved Short-Circuit Isolator Base

YBV-R/4M
Marine SCI Sensor Mounting Base

CHQ-DRC2/M(SCI)
Marine Analogue Dual Relay Controller with SCI

CHQ-DIM2/M(SCI)
Marine Analogue Dual Input Module

CHQ-SZM2/M(SCI)
Marine Analogue Single Zone Module

CHQ-DSC2/M(SCI)
Marine Analogue Dual Sounder Controller

CHQ-DZM/M(SCI)
Marine Analogue Dual Zone Monitor

CHQ-DZM/M(SCI)-IS
Marine Analogue Dual Zone Monitor IS Compatible

CHQ-SIM/M
Marine Single Input Module

HCP-EM(SCI)
Marine Analogue Manual Call Point with SCI

HCP-WM(SCI)
Marine Weatherproof Analogue Manual Call Point with SCI

Marine Approved

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ISS3/JAN24

Quality Systems Certificate No. 164 Assessed to ISO 9001

Environmental Management Certificate No. EMS 286 Assessed to ISO 14001

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