

# 110 AT THE QUAY

Wireless, cost effective & scalable fire alarm installation

# Project Backstory

The project first surfaced due to the unfortunate event at Grenfell Tower in London, where the unsafe cladding on the exterior of the building was a leading factor in the growth of the fire. Off the back of this, the government announced a £30 million fund to pay for the costs of installing an alarm system in buildings with unsafe cladding.

Alternatively the money was used also for Waking Watch services, which many property maintenance services opted for. Despite it being an acceptable risk mitigation strategy, the option of improving fire alarm systems was far more time and cost efficient.

On 27 January 2022 the government launched a further £27 million to install alarms in all buildings where a Waking Watch is in place at cost to leaseholders. This fund is called the Waking Watch Replacement Fund.

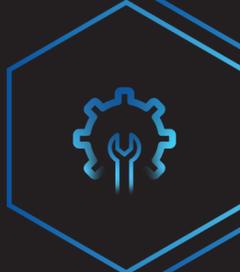


**Maximising safety & minimising cost.**

# Project In Numbers



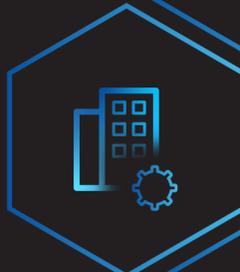
1000 Meters of fire cable installed



15 Minute device installation time



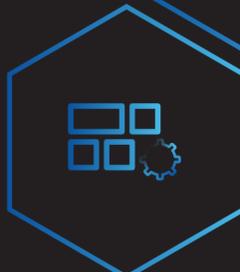
4 Week project duration



110 Apartments



4 Devices in each apartment



22 Months to save money on Waking Watch



## Time & Cost Effective

# Project Brief

Dovetail Group were tasked to install new, cost effective fire detection and alarm systems in 110 apartments in Bristol as part of the Waking Watch Relief Fund. The solution Dovetail had to provide needed to cause minimal disruption to the residing tenants, and ensure it was going to be a cheaper alternative to having a Waking Watch system, which would have cost around £6000 PCM.

Dovetail partnered with Eurotech Fire Systems LTD to install their state of the art 'Sygno-Fi' systems across the complex.



## People and operational excellence



# The Sygno-Fi System By Eurotech

## Key Benefits -

- QR codes for each device in each flat to easily manage, locate and programme each device.
- 15 minute installation time ensuring minimal disruption for residents.
- State of the art wireless system, reducing the workload cable systems entail.

Robust programme system & hierarchy between

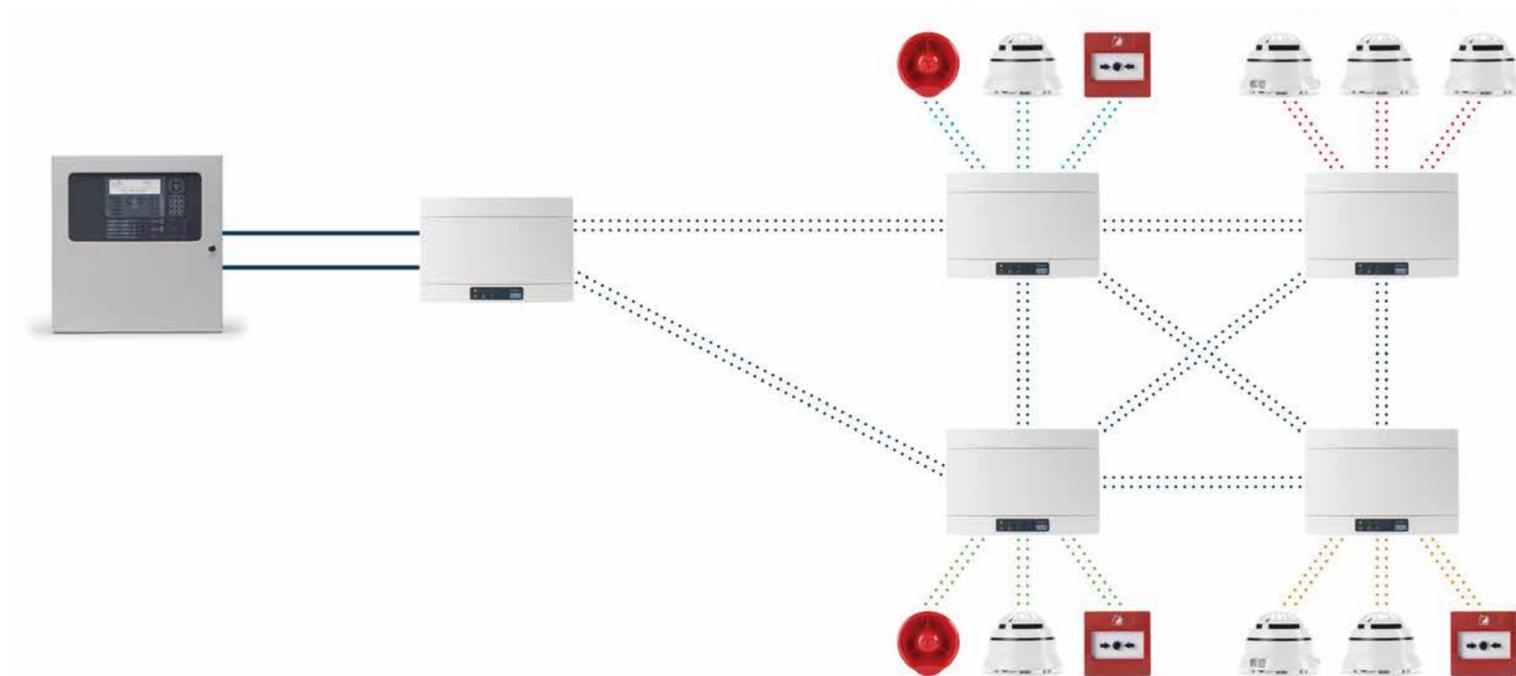
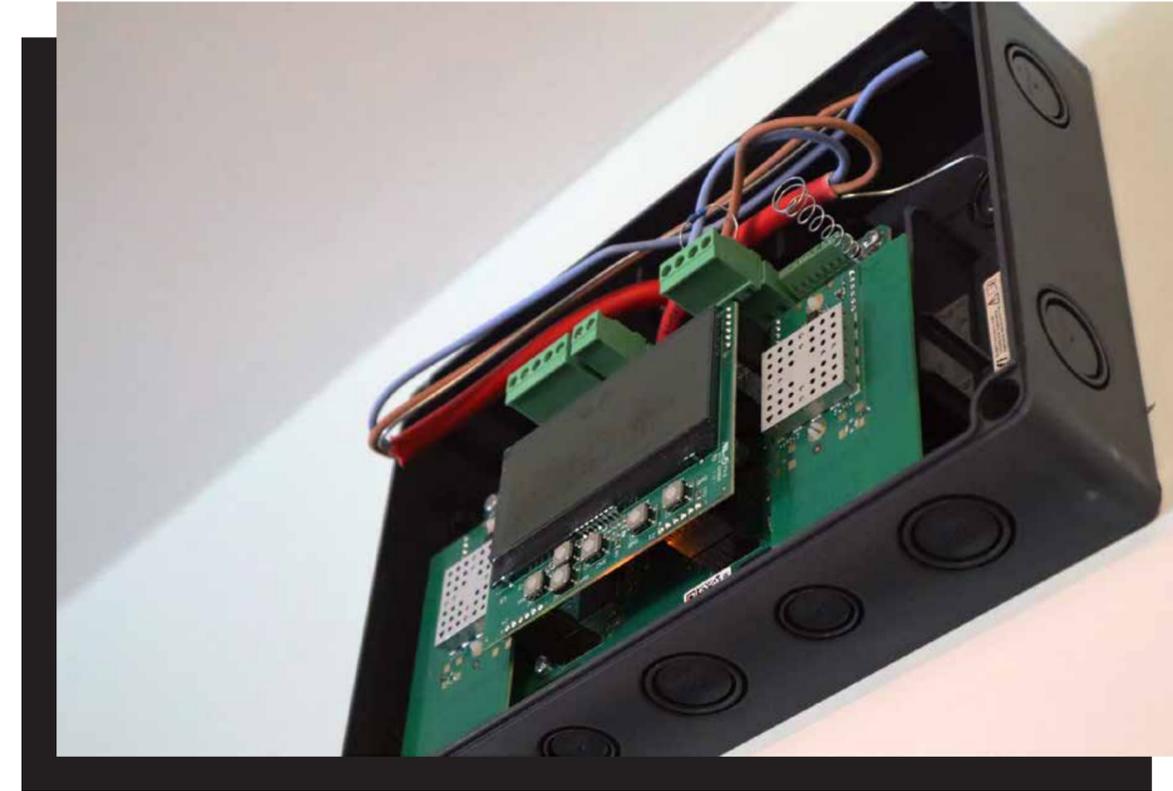
- infrastructure devices and field devices, allowing for streamlined system communication.

Expanders work as a mesh, so if one of the expanders loses it's primary communication path with the

- translator, it is able to communicate via its secondary communication path back to the translator, ensuring the system integrity is not compromised.

Each device has it's own communication slot so it's transmission receives no interruption. Network Optimiser

- also checks and confirms that every packet of data is sent and received as expected, ensuring absolute confidence in safety signalling.



# Minimal Disruption Was Paramount

With the nature of the project, it was inevitable the engineers would need access to residents flats to install the new fire alarms & wire them into the existing system. In order to make this process as streamlined as possible, a booking system was set up by Dovetail's Mechanical & Electrical Manager, Derek Rhind, allowing all residents to book when they had their new fire detection and alarm system installed, at their leisure.

In addition to this, the use of Eurotech's Sygno-Fi device and the QR code system, meant commissioning each device was completely remote and took a matter of seconds.

**110 APARTMENTS**  
**440 DEVICES**  
**7 TRANSLATORS**  
**38 EXPANDERS**



A photograph of a modern apartment building with balconies and distinctive orange cylindrical structures. The sky is blue with light clouds. The text is overlaid on the lower part of the image.

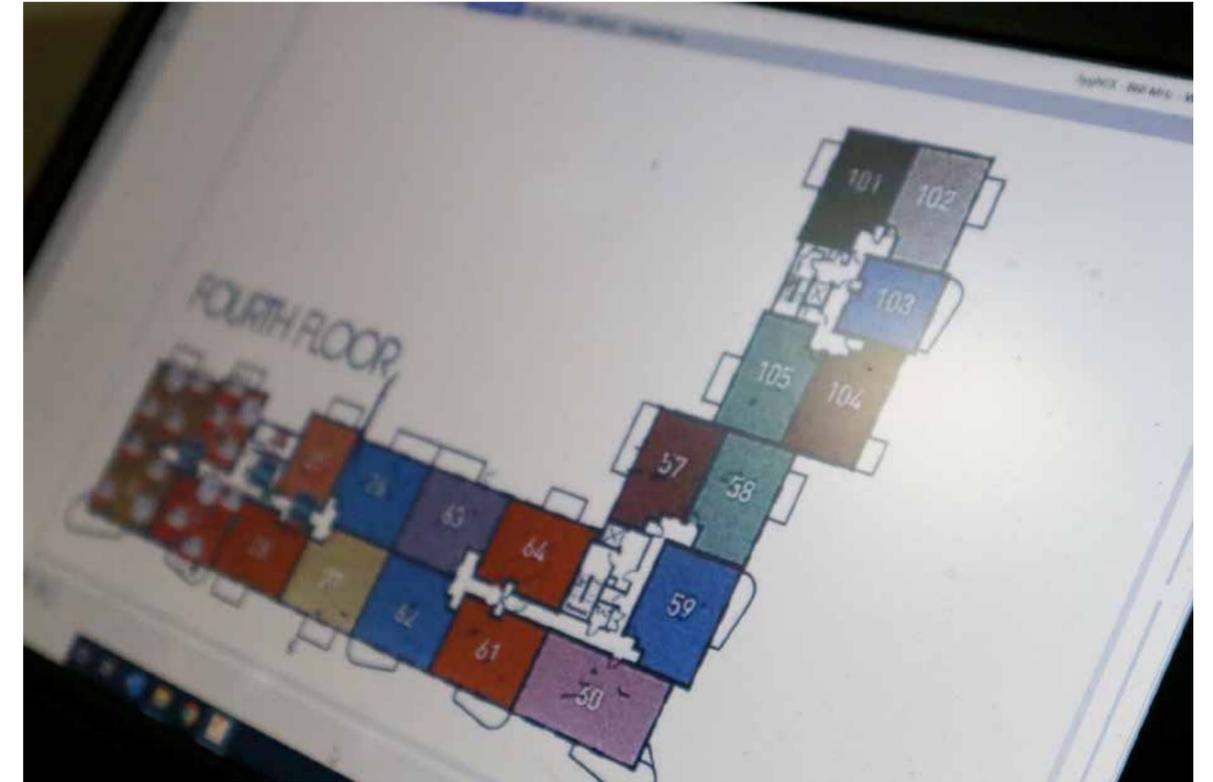
**“We have just had all the additional alarms installed in our apartment, it took about 8 minutes. The guys carrying out the installation were brilliant. Quick and efficient, with no mess and no fuss.”**

# Software & Programming

## Key Benefits -

- CAD Display of floor plans allowing for drag & drop features when programming devices.
- QR Codes to easily import products into the system & commission them.
- Live image display of the system, allowing us to effectively check & manage the status of the system.
- ConfigWizard button to auto learn all devices onto the system in a matter of seconds.
- Site surveys are easy to complete with the ability to complete them using an Android app on the Google Store.

People and operational excellence



# Quality Control

Quality control checks are paramount in fire safety, it is vital that the system works and is streamlined to ensure the safety of all residents.

- All devices 100% bench tested in the factory before delivery.

Using the state of the art SygNEX software, all devices are programmed to the CAD system provided by Eurotech, allowing us to see a live status of all devices and reassure they're commissioned properly.

- System monitored for several weeks after to ensure everything is working properly and transmission is optimal.



Ensuring **complete** safety.

# Summary

Dovetail have successfully designed, installed and commissioned a start of the art, Sygno-fi Wireless Fire Detection and Alarm System with the on-site support from Eurotech Fire Systems at '110 At The Quay' in Bristol, where the project covered the costs of Waking Watch after 22 months, making it incredibly cost effective, and with the installation being so streamlined, time consumption was minimal.

With such a small fixed cost, and the ability to scale the project, this installation has enabled property managers to ensure safety of their tenants while maintaining a cost effective and scalable system should they choose to expand their property.

## People and operational excellence



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