



CASE STUDY

Baltimore Tower, CJ O'Shea

CJ O'Shea Group Ltd specified a wireless fire alarm on the 50 storey 'twisted' residential tower and other buildings on the £142m Baltimore Wharf project.

Baltimore Wharf in London Docklands is a mixed use waterfront scheme being developed in partnership with Frogmore & Galliard, contractors CJ O'Shea and LBS Properties. The central visual element is a 50-storey tower that has a distinctive flowing twist. Alongside the 50-storey 'twisted' tower there will be a 17 and 21 storey structure that will create a total of 366 luxury apartments, plus a hotel.

By choosing WES, CJ O'Shea improved on the standard fire procedure still used on some construction sites that rely on a fire bell and site radio to alert personnel.

This approach has its limitations as human behaviour can be unpredictable at best in a real emergency. Add to this the fact that Baltimore Tower is 50 storeys and the risks of using a manual fire evacuation procedure would have been multiplied several fold.

Project Summary

Client:

CJ O'Shea

Project Value:

£142m million

Project Type:

Mixed use

Location:

London



WES+ at Baltimore Tower

Additional WES units are added as each of the 50 floors is constructed. Once the units are positioned in accordance with the fire plan, it is then just a simple process of configuring them with the base station to extend the site wide coverage an addition floor – no wires needed!

WES comprises a range of wirelessly interconnecting radio units incorporating fire call points, active heat and smoke detection, and monitoring base stations. The system is fully reusable and once a project is completed, the units can simply be transferred to the next site, making it a very cost effective solution.

Dual anti-tamper features and latest technology eliminates false alarms, whilst the silent test facility improves site efficiency.

www.wesfire.co.uk

**WES+ information line:
0115 822 3424**

Ramtech
electronics



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"We were looking for a wireless fire alarm system because we knew it would offer us greater flexibility on site," said Fiona Gallagher Health & Safety Advisor at CJ O'Shea. "After evaluating a number of alternatives we came to the conclusion that WES gave us the best all round benefits as well as complying with EN54."

"WES takes away the unpredictability of a fire bell and site radio to alert personnel on a high rise development"

"WES takes away the unpredictability of using a fire bell and site radio to alert personnel on a high rise development such as this. Aside from offering 24/7 site-wide coverage, we find the whole system easy to install and it gives us the flexibility, in terms of avoiding fixed wires and repositioning, that we had hoped for."

"Once customers discover the benefits of our wireless fire alarm system they are reluctant to use anything else," said Paul Henson, Sales and Marketing Director at Ramtech Electronics. "We have received some very positive feedback from the project team at Baltimore Tower and are delighted that WES+ has been recommended for other developments within the company."

Paul added: "The thing that sets WES apart is that it has been developed with direct input from construction companies and because of that it is engineered to meet the demands on a modern, rapid-build construction site such as this."

About WES+

Since the 2010 launch of WES, Ramtech has supplied many thousands of units and its wireless technology is currently being used by around 75 percent of the top 100 construction companies in the UK.

WES+ is the latest technological development from Ramtech, drawing on over 25 years' experience of developing radio technology. It is the first UK wireless battery-powered fire alarm system engineered to comply with EN54 and therefore the Construction Products Regulation.

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