



WES3

Enhanced wireless evacuation and
medical alert system for construction

RAMTECHGLOBAL.COM

The impact of construction fires

Construction sites are subject to many dangerous scenarios – one of the which is fire. WES3 is a system that helps you achieve NFPA241 and OSHA safety and health regulations for construction.

There are many causes of fire on construction sites. According to the NFPA, the leading sources include:

- Electrical distribution and lighting equipment
- Intentional (arson)
- Heating equipment
- Hotworks, including:
 - Welding
 - Cutting
 - Grinding
 - Soldering
 - Roof work

Buildings under construction are at risk as they are largely unprotected – traditional fire protection systems such as sprinklers and fire walls are commonly non-existent. They are also vulnerable to trespassing, resulting in intentionally set fires.

Protecting your personnel, buildings and wider community with a reliable, innovative wireless evacuation system is key to ensuring minimal damage, both in terms of human life and financial loss.



The vital statistics

6,420

the annual average fires in structures under construction or renovation.

\$408million

the annual average cost of property damage in structures under construction or renovation.

101

the annual average civilian injuries in structures under construction or renovation.

12

the annual average civilian deaths in structures under construction or renovation.

Protect your site with WES3

WES3 is the latest in fire and emergency alarm system innovation developed by the wireless experts at Ramtech Electronics and is used on sites across the world, from the UK to Australia and Spain. This advanced evacuation and alarm system has been developed to provide a simple, fast and secure method of communicating fire and medical emergencies across sites.

The most advanced system we have produced, WES3 has been created to safeguard your personnel and property:

■ Designed for construction

To develop WES3, Ramtech's team of radio and electronics experts worked in direct collaboration with some of the world's leading construction companies.

■ Designed to perform, with FCC approval

WES3 units have been independently tested and have been designed with safety in mind – that's why WES3 can be found on numerous construction sites across the globe, including the likes of Manchester Airport and the US Embassy.

■ Built to last

Our WES3 units can help your project achieve NFPA241 and the OSHA safety and health regulations for construction. They come with a full 2 year manufacturer warranty, and have a 3-year battery life under normal conditions and usage.

The WES3 range



The brand-new features for WES3 include:

■ NEW WES3 CONNECT control unit

The latest nerve centre of the system, including improved connectivity via 3G/4G, larger colour screen, numerical key pad and improved ergonomics. Traditional WES3 Base Station also available.

■ Medical alert

Raise a request for medical attention from any call point in the network, which pinpoints the exact location of the alert.

■ System polling

Polling mode provides an integrity test of your WES3 network, confirming any additional or removed units.

■ Inspection delay

Enables site managers to validate an alarm before evacuating site. It can also be used to undertake a staged evacuation process.

■ Pre-alarm functions

Turn off the alarm sounder on other stations and enable a lower level alert to indicate.



WES3 at a glance

Internationally recognized

The WES range has grown to become a truly global alarm system, currently protecting sites in over 20 countries around the world. Using our innovative radio technology, WES3 has been developed to satisfy all applicable Radio and Communications legislation in international territories, including the relevant parts of ETSI, FCC and EMC test standards.

Robust and reliable

WES3 is independently tested, CE marked and compliant with all key safety legislation. Our robust and hard-wearing units are suitable for internal or external use, with weather sealing and a 3-year battery life under normal use.

User friendly

Your site system can have an unlimited number of units on one site, additional units can be quickly added or removed as the build progresses. All WES3 units can be reused on future projects.

This very low-maintenance system is simple to install, configure and operate and our Quick Start Guide allows users to get the system up and running in minutes.

Proven technology

With an excellent track record of performance, all WES3 units are designed and manufactured in Nottingham UK and shipped worldwide, with over 60,000 units supplied globally since launching in 2014.

Fully supported

Our dedicated helpline and training team are always on hand to support you, from introductory training and workshops for your site staff through to system trouble shooting, our team are with you every step of the way.

Simple, self-install

The completely wireless units connect on site to form a secure and stable radio mesh network with no need for specialist wiring, cabling or external power.

WES3 system components

Strobe and Sounder Call Point

Manual Call Point allows an evacuation alarm to be raised from any unit on site, to initiate a site-wide alarm (or activate optional pre-alarm function). It also includes Medical Alert.

Dust Resistant Smoke Sensor

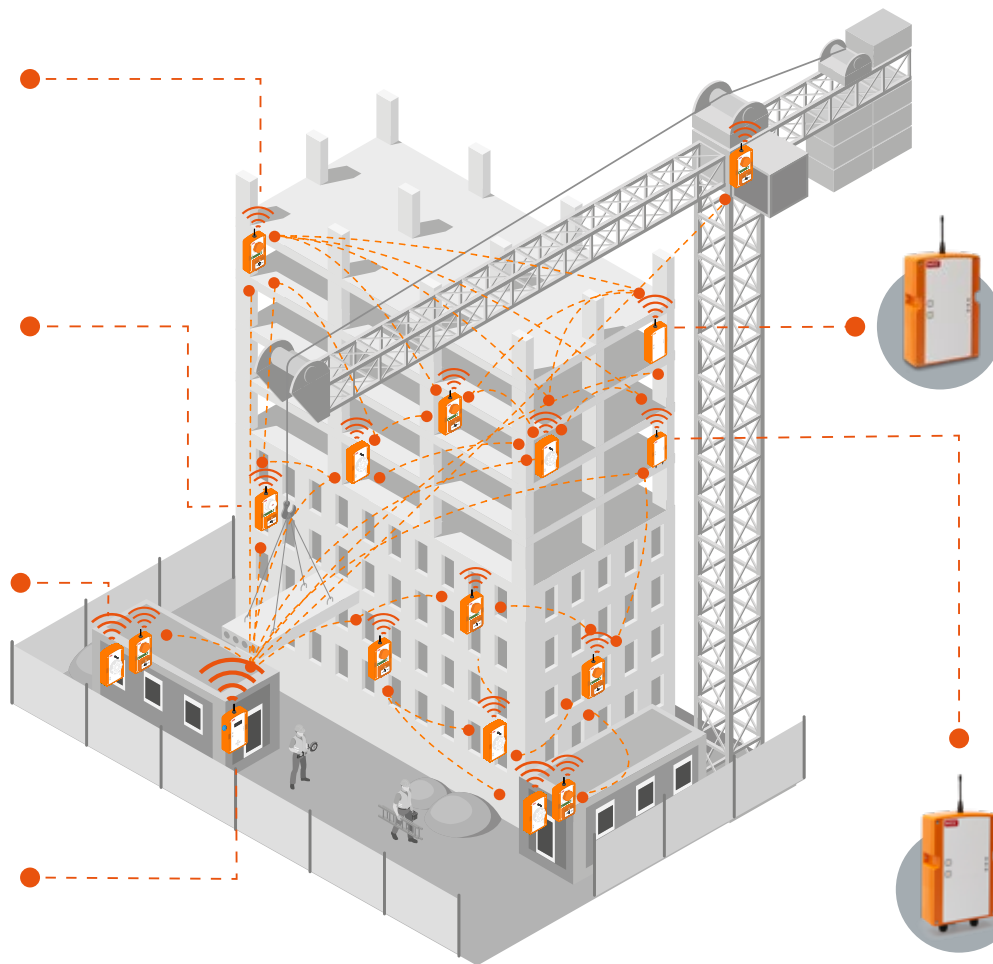
Unique to WES, the dust resistant sensor with dual optic technology minimizes risk of false alarms and provides 24/7 protection in unoccupied areas of site or overnight/weekends.

Heat Sensor

Used as part of a site-wide sensor system, this 24/7 technology is suitable for areas such as kitchens or similar areas with an increased risk of false alarms.

CONNECT/Base Station

Primary control units for the WES3 network. CONNECT includes latest functionality and 4G connectivity. Enables full management and real-time diagnostics for any connected units. An accurate log of all system events can be downloaded via USB to allow robust reporting of on-site issues. CONNECT and Emergency Control Units can be used together if required.



Link Unit

A simple repeater unit that boosts the radio signal capability in particularly large, complex or high density sites.

Interface

Allows WES to be seamlessly integrated with third party systems, such as independent or permanent wired fire alarms, turnstiles, lifts, gas monitors etc.



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