# FireAlert®

**WES+**

**VPS FIREALERT WES+ IS AN INNOVATIVE FIRE SAFETY AND EVACUATION SYSTEM THAT HELPS PROTECT PEOPLE, PROPERTY AND ASSETS IN BUILDING AND CONSTRUCTION SITES.**
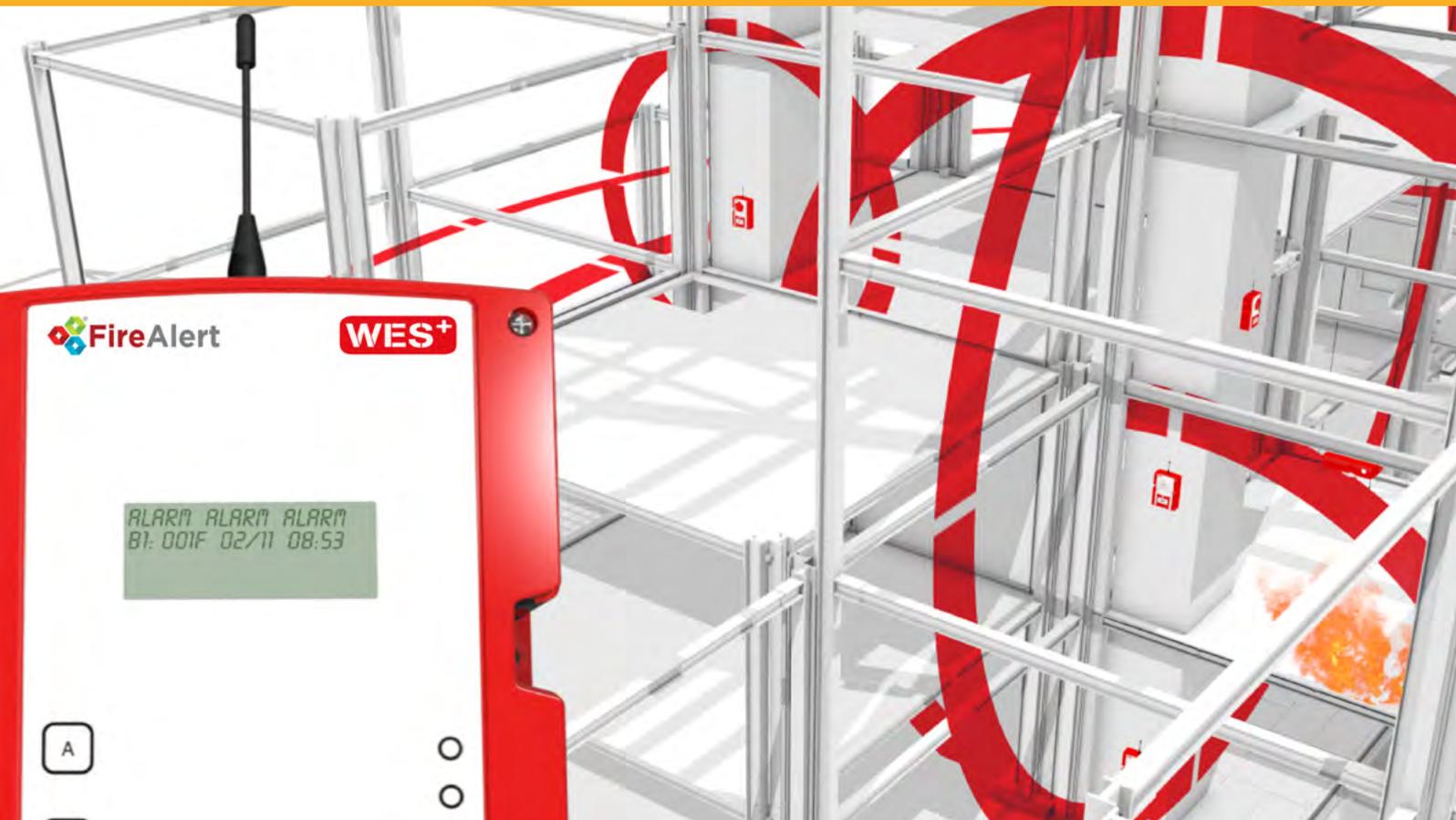
This proven FireAlert system is mobile and wireless, with long battery life delivering a cost-efficient, effective and practical solution. Quickly and easily deployed at any location, VPS FireAlert® Wes+ is EN54 compliant, has a CE mark and meets all important fire safety guidelines and legislation.

**VPS**
PROTECT MANAGE MONITOR

# ON-SITE FIRE DETECTION

Construction and renovation sites are always high-risk safety areas. However due to the increased volume of combustible materials on-site during this time the chance of fire is significantly increased. Every year there are many fires on construction sites and in buildings undergoing refurbishment which have resulted in people being killed or injured, as well as the loss of property and assets.

This not only involves the risk to people but a significant financial loss, as well as project delays and negative publicity.

The alarm and evacuation conditions on construction sites are often very poor due to both the extremely high noise levels and constant changes of the escape routes. During the construction process the permanent fire alarm systems are usually not commissioned and there is potentially no or limited fire water supply.

The aim of VPS FireAlert Wes+ system is to give the workforce the earliest possible warning of fire, allowing the maximum time to escape and to call the fire and emergency services if required. This early alert can reduce the risk of injury as well as providing more time to restrain fire spread, minimising damage and financial loss.

# THE VPS FIREALERT WES+ PRODUCT RANGE

## FIRE POINT

The Fire Point is the primary alert unit in the VPS FireAlert Wes+. The unit incorporates fire alarm sounder, optional strobe alert, and a manual call point for activating the alarm.

## WIRELESS SMOKE & HEAT DETECTORS

Detection units connect directly to the VPS FireAlert Wes+ system, automatically raising the alarm in the event of fire. For maximum performance in dusty construction environments, we offer a dustproof smoke detector.

## BASE STATION

The VPS FireAlert Wes+ Base Station delivers extensive system reporting and system configuration. If an alarm is activated, the base station allows you to identify quickly which unit has been triggered. Records activations and warnings, so you can monitor the activity and health of your whole VPS FireAlert Wes+ system.

## RADIO REPEATER LINK

The Link unit is the simple, cost-effective way to extend the range of your VPS FireAlert Wes+ temporary fire alarm system on very large-scale sites. Connect to your existing VPS FireAlert Wes+ units, set up on site and the unit will act as a relay to link geographically separated sections of site.

## VPS FIREALERT WES+ APP

The VPS FireAlert Wes+ app for Android tablets delivers full wireless fire alarm system reporting as well as flexible system configuration. Health and safety reporting made easy – export your system logs and weekly silent test logs to pdf, csv or email. Download from the Google Play store.

## VPS FIREALERT WES+ INTERFACE

The VPS FireAlert Wes+ interface enables the connection of other devices to the VPS FireAlert Wes+ network, therefore in the event of fire other safety devices can be triggered i.e. lifts, turnstiles, access control systems and auto diallers etc.

# BENEFITS OF VPS FIREALERT WES+

## INTERCONNECTED SYSTEM

- When a VPS FireAlert Wes+ unit is triggered, the entire zone will be alerted (according to the rescue plan) to evacuate people

- The source of fire is easy to identify

- Optional GSM version: up to 6 users can be set to receive configurable SMS notifications for alarm activations and system alerts.

## FLEXIBLE, PRACTICAL AND RELIABLE

- 3 years battery life, reducing lifetime costs and the need for constant replacement while also improving compliance with waste regulations

- Extensive wireless range offers complete site coverage

- Possibility of unlimited number of units in any combination on one site; adding and removing units is quick and easy as the build progresses; VPS FireAlert Wes+ units can be re-used on future projects

- Real-time system monitoring: each unit monitors itself (battery, signal, etc.)

- Anti-tamper controls to ensure system integrity and compliance

- Transit mode to allow safe removal & storage without risking activation

- Silence test function which eliminates the need of a construction site evacuation during a test, therefore there is no disruption on the site and / or nearby residential areas

- Reporting function in Excel file or PDF file

## TIME AND COST-EFFECTIVE

- No wiring is required

- Easy to install and maintain, without specialists

- Reusable on next building projects

- The existing costly fire protection procedures are easy to downsize (e.g. less fire wardens are required)

- In case of an incident, the problem can immediately be located and identified preventing delays in the construction project and decreasing the possibility of further damages and injuries to employees

## MOBILE AND VERSATILE APPLICATION POSSIBILITIES:

- To protect sites and workers during new constructions, renovation and during conversion works

- In hazardous locations (hot works)

- In temporary buildings such as containers and site offices

- Bridging of delivery time, until the installation of a permanent fire system

- At locations where wiring is undesirable

- At locations with no electrical supply

- Anywhere that requires wide area coverage and there are large groups of people (e.g. events)

# DEPLOYING VPS FIREALERT WES+ ON CONSTRUCTION SITES

- VPS FireAlert Wes+ units can be deployed as soon as the cabins are on site and the build is out of the ground. Setup is quick and easy – it takes just a few minutes for your units to be on active duty protecting your site and workers.

- Fire Points are placed in accordance with your fire plan – usually at each stairwell or lift shaft – and can be added as the build progresses. Units can be numbered according to your fire plan for easy identification in the event of any issues. Heat, smoke or dust-proof smoke detectors provide active fire protection in enclosed areas and in temporary accommodation units.

- All your VPS FireAlert Wes+ units connect to form a network, so if a fire breaks out any unit can trigger a sitewide alarm, whether actively in the case of the detection units or manually via the Fire Points.

- The Base Station will tell you where the triggering unit is so you can pinpoint the fire. You can also set up text alerts to help you provide an immediate response, and if you have the VPS FireAlert Wes+ app you can export reports of your silent test results and any activations to PDF or spreadsheet for full reporting and tracking.

- Once the project is complete, you can easily re-use your VPS FireAlert Wes+ units on the next one.

# CONSTRUCTION HEALTH AND SAFETY LEGISLATION

**VPS FireAlert Wes+ was designed and engineered with the specific aim of creating a fire safety system that's compliant with new increasingly stringent European health and safety practice.**

## COMPLIANCE
### EUROPEAN GUIDELINES (CFPA E)

The European Fire Protection Associations have decided to produce common guidelines in order to achieve similar interpretation in European countries and to give examples of acceptable solutions, concepts and models. The Confederation of Fire Protection Associations in Europe (CFPA E) reflects best practice proposed by the members of CFPA Europe.

## WIRELESS SMOKE & HEAT DETECTORS
### EUROPEAN GUIDELINE – CFPA21: 2012F – FIRE PREVENTION ON CONSTRUCTION SITES

- Applicable: large construction sites or where predominantly combustible structures (more than 35% of its elements of construction composed of combustible materials, e.g. timber frame) or high rise buildings (where upper storey is beyond the effective reach of the fire brigade)

- *"In compliance with the national fire safety legislation the person responsible for the fire safety management system and inspections must ensure that a fire risk assessment is undertaken and is reviewed and updated regularly as construction proceeds. This document is a key element of the site fire safety plan." (4. Site fire safety plan)*

- *"The plan must detail, as minimum: … General site precautions and fire detection and alarm systems…" (4. Site fire safety plan)*

- *"To carry out weekly test of the site fire detection and alarm devices installed on site" (5. The role of the person responsible for fire safety)*

- *"On all site a means of giving warning of fire must be established. Manual devices may be utilised provided that:*

  - *They are clearly audible above background noises in all areas*

  - *They are distinctly different from any other warning devices on site and can be readily identified as being a fire alarm,*

  - *There are multiple provisions of these to ensure that they can be accessed at all times." (7. Emergency procedures)*

- *Automatic fire detection systems must be installed in temporary accommodation and in temporary building when these are:*

  - *Within 6 metres of a building under construction or refurbishment*

  - *Used for storage of flammable liquids or compressed gases*

  - *Used for drying of clothes.*

  - *Temporary buildings or temporary accommodations where cooking (including the use of toasters) is undertaken should have fire detection installed. (11. Temporary building and temporary accommodation)*
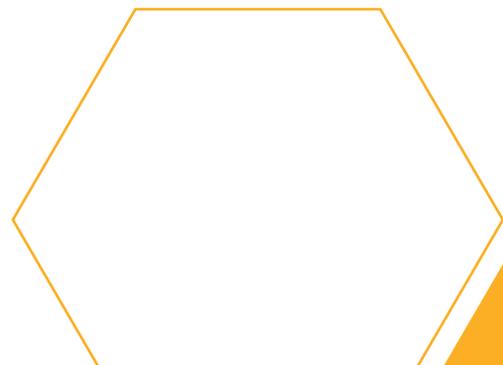
## EUROPEAN GUIDELINE – CFPA26: 2010 F – FIRE PROTECTION ON TEMPORARY BUILDING ON CONSTRUCTION SITES

- *"Rooms in temporary building where people are present other than occasionally behind closed doors and which are situated in such a way that it is necessary to pass through a corridor or some other space to reach the escape routes, should be fitted with an alarm that is automatically triggered by a smoke fire detector in the corridor."*

- *"A rest room should also be fitted with an escape alarm supplemented with a fire alarm function in the room." (4. Fire protection requirements for escape, 4.7 Escape alarm)*

## EU DIRECTIVE 92/57/EEC - SAFETY AND HEALTH REQUIREMENTS AT TEMPORARY OR MOBILE CONSTRUCTIONS SITES

- *"Depending of the characteristics of the site, the dimensions and use of the rooms, the on-site equipment, the physical and chemical properties of the substances present and the maximum potential number of people present, an adequate number of appropriate fire-fighting devices and , where required, fire detectors and alarm systems must be provided." (4. Fire detection and firefighting)*

- *"In the event of danger, it must be possible for workers to evacuate all workstations quickly and as safely as possible." (3. Emergency routes and exits)*

## NON-BINDING GUIDE TO GOOD PRACTICE FOR UNDERSTANDING AND IMPLEMENTING DIRECTIVE 92/57/EEC

- *"Having fire points with extinguishers at danger points and on circulation routes, and training workers in their use."*

- *"Emergency arrangements including first aid: there are systems in place for quickly identifying emergencies and communicating with an emergency response team;" (4.1.3 Concluding preparations before starting construction work)*

## APPROVALS

VPS FireAlert Wes+ meets the highest technology standards. The VPS FireAlert Wes+ product range is externally certified and approved to:

### THE CONSTRUCTION PRODUCTS REGULATION

- The Construction Products Regulation as supported by EN54 states that:

- Fire safety products must be CE marked

- To obtain a CE mark, a Declaration of Performance must be produced

- To obtain a Declaration of Performance, fire safety products must be tested by an approved external body

- That body must be involved in inspection, testing and factory production control

### EUROPEAN STANDARDS FOR FIRE PRODUCTS – EN54

EN54 is the Harmonised Standard laying down design, manufacture and performance standards required for construction fire safety products.

Every product in the VPS FireAlert Wes+ range has been externally tested, approved and certified by an official body as complying with EN54.