# Wi-Safe 2

## 14th EFA ROUNDTABLE AMSTERDAM

## 1-2 Nov 2012

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safety products

**The ground breaking FireAngel ST-620 as fitted by 98% of UK Fire and Rescue Services**

- Multi-criteria Thermoptek™ sensing technology
- Combines the very latest in optical sensing with thermal enhancement, providing fast reaction to both slow smouldering and fast flaming fires in a single alarm
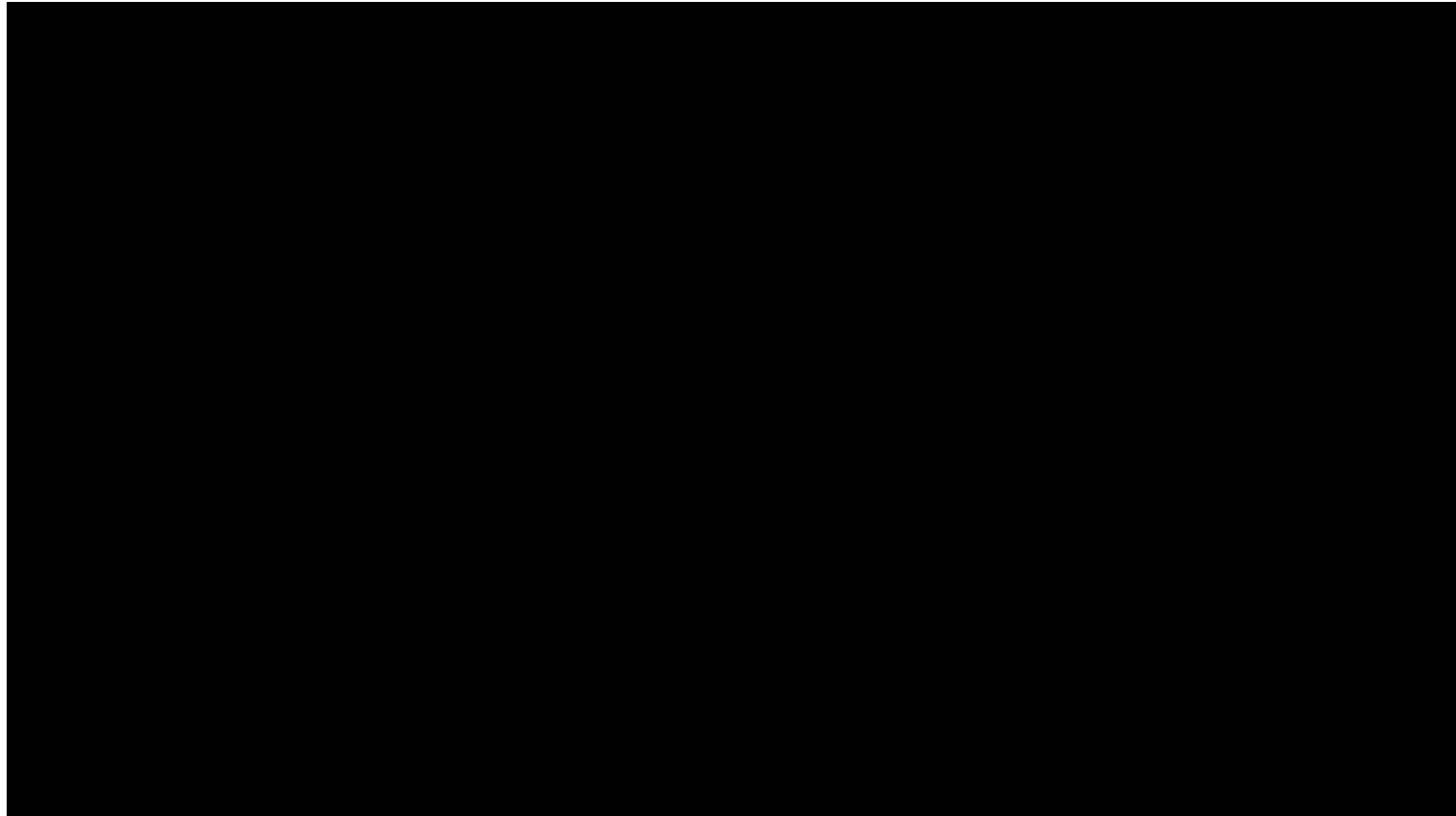
**Environmentally friendly alarms**

- Removes the need for ionisation alarms
- No need to replace battery – 10 year life
- Easily recyclable

# Introducing the WST-630

# WST-630

**The worlds most advanced domestic battery operated smoke alarm**

All the benefits of the ST-620 sensing technology combined with RF wireless interlink

- All alarms are RF transceivers (auto transmit and receive of RF signals)

- Alarms create a meshed RF network as each alarm communicates with each other

- Earliest possible warning of fire via inter-connected network of WST-630 alarms

- Reinforces closed door policy

- Wireless range up to 200m in clear sight

- Wireless module enables wireless communication with Wi-Safe 2 product accessories for the most vulnerable

- 10 Year sealed for life battery

- Thermoptek technology

## Introducing the new Wi-Safe 2

In development for over 2 years

- Sealed 10 year, transceiving wireless communications between alarm sensors and other devices

- Designed to be retrospectively fitted into a wide range of receiving products

- Module allows us to partner with specialists in fire suppression and gas safety bringing the most technically advanced range of products working together as a single system

# Wi-Safe 2

## Built-in ten year battery for life

- Does not draw power from alarm unit

## Remote diagnostics capability

- GSM remote dial-up feature (optional extra)
- Service technician diagnostics capability from outside property (optional)

## Signal validation relay output allows for the activation of:

- Sprinkler/misting systems
- Gas shut-off  valves
- Emergency dialling systems
- Other applications

## WST-630 applications options

## Deaf/ hearing loss products

- Strobe and Vibrating Pad
- Certified to BS 5446 part 3 standard for the deaf and hard of hearing

## Relay Output

- Ability to link with a range of Wi-Safe 2 accessories
- Allows wider range of products compatible with Wi-Safe 2

# Low frequency sounder

- Emits a low frequency 50HZ square wave at a volume of 85dB at 3 metres

- Low frequency sound is more effective at waking high risk individuals who would not be woken by a regular smoke alarm

  - Those with mild to moderate hearing loss
  - People under the influence of alcohol and drugs
  - Children

- Can be wall mounted, positioned horizontally or vertically offering greater flexibility in positioning

- The user can test the smoke alarms in the network by pressing the test button on the low frequency sounder

- Mains powered with a battery backup and also features a fault, power and alarm LED

## Cooker Shut Off

- Wi-Safe 2 link to shut off valves for both gas and electric cookers

- Easy to retrospectively install

- Energy harvesting reset switch

- Low maintenance

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# Misting system demonstration video

# Misting systems

## Fatal smoke inhalation

- Fast response
- Smoke detection operated
- Fast knockdown fire capability

## Portable concept

Residential care homes

- Vulnerable people
- Temporary protection
- Single room

## Self Contained

- Water & power supply
- Designed for rooms up to 20m²

## Discreet

- Slim line
- Aesthetically acceptable
- Testable

## Control

- Conventional panel
- Integral sounder
- Integral manual release
- Key reset
- Monitored detection

## Detection

- Links to Wi-Safe 2 smoke alarm
- Validated signal activation

# Other applications

## The future

- Wi-Safe 2 heat detection
- Wi-Safe 2 CO
- Mains gas shut off
- GSM auto diallers
- Diagnostic application for smart phones
- Other sensing technologies

**An enhanced level of fire safety for the most vulnerable in society ensuring they can continue to live independently within their homes**

# Thank you

**Sprue Safety Products remain committed to improving fire safety for the most vulnerable within the community**

# Questions

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