

WHY EMS WIRELESS?



Protecting
what matters



for over

50 years

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TRUSTED TECHNOLOGY

Every so often, a new technology emerges that challenges and transforms existing conventions forever.

In this case, it was wireless fire detection. Once a niche technology embraced by few, wireless fire detection is now most definitely mainstream, with EMS having pioneered its use since the early 1990s.

Wireless fire detection has transformed the fire industry and altered the landscape of the entire fire and safety community forever.

EMS's technological innovation enables the installation of scalable fire systems in almost any building, from heritage sites to retail outlets and commercial spaces, all without cable.

Underpinned by the EN54-25 European standard ensuring wireless fire system reliability, you can be 100% sure that EMS wireless is not just as effective as fire-rated cable. It's even better!



These solutions are also backed by the highest levels of reliability and trust, with many thousands of EMS installations around the world.

The EMS philosophy is all about simplicity and flexibility with the latest technology underpinning reliability and dependability.

Don't just take our word for it — ask the many thousands of people who use EMS wireless systems about their experience.

Thanks to the proven reliability of EMS wireless solutions, you can really fit and forget with each installation.

CONTINUOUSLY INNOVATING

At EMS, the future is always in focus. Our systems are engineered for longevity, combining rock-solid reliability today with the assurance of tomorrow.

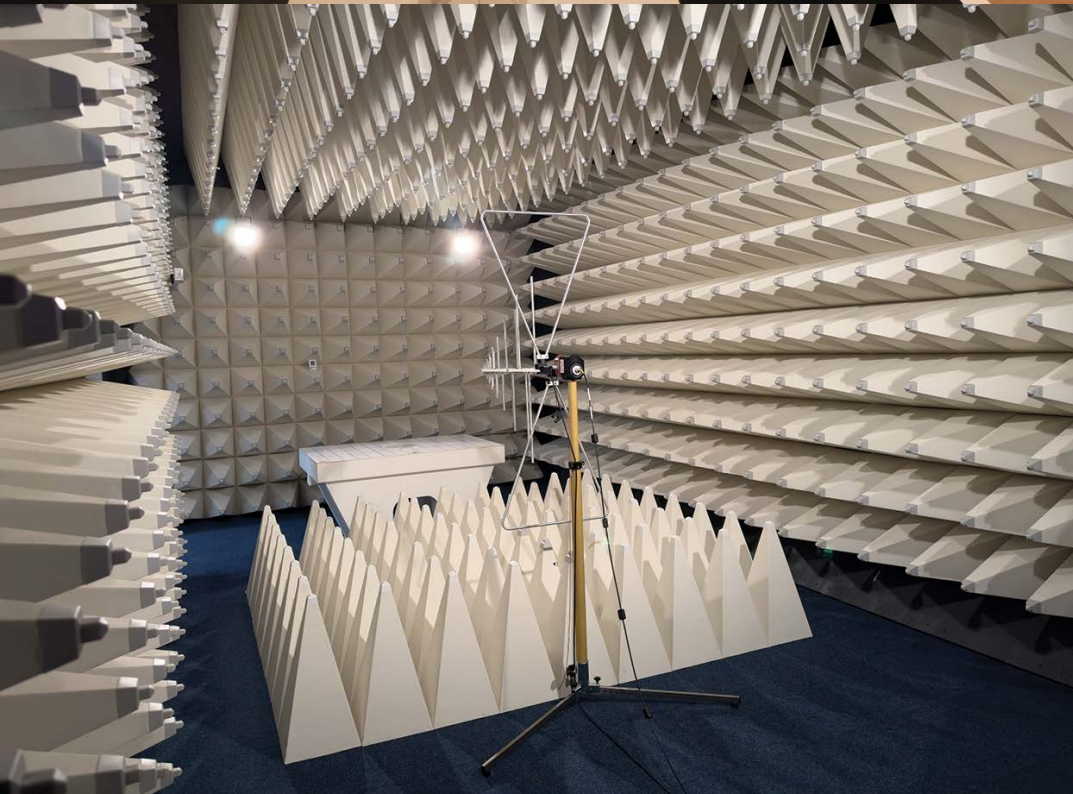
Since launching FireCell and SmartCell, we've driven a programme of continuous improvement, delivering both visible enhancements and technical refinements that keep our wireless fire solutions best in class.

A cornerstone of this approach is our unwavering commitment to backward compatibility, giving customers the confidence that every installation is truly future-proof.

As we develop the next generation of products, our priority remains clear: safeguarding customer investment and ensuring no EMS system is ever left behind.

EMS wireless — Reliability today, confidence tomorrow.





UK R&D

The EMS R&D team, headquartered in Herne Bay, is dedicated to advancing state-of-the-art wireless fire technologies that exceed the highest industry standards.

From the earliest stages of design through to extensive prototyping and rigorous testing, our R&D Centre ensures that every solution delivers uncompromising performance, seamless integration with a wide range of systems, and scalability that is ready for the future. With cutting-edge facilities and a culture of continuous improvement, we are shaping the future of wireless fire protection.

At EMS, our R&D Centre doesn't just respond to industry trends — it sets them. By pushing the boundaries of innovation, we make EMS wireless not only the most reliable and forward-thinking choice for protecting lives and property, but also the smartest long-term investment in fire safety.

BEST-IN-CLASS UK SUPPORT

Unrivalled support, backed by experts

With EMS wireless, you get more than cutting-edge technology — you gain the assurance of dedicated, expert support at every stage of your project.

Our UK-based technical team provides complimentary, underwritten wireless surveys, industry-leading guidance, and integrity testing to validate system robustness after installation. This proactive approach ensures that every system performs flawlessly in real-world conditions.

From the earliest design consultation through installation, commissioning, and ongoing maintenance, EMS experts are with you every step of the way. We take the complexity out of wireless fire protection, so you can deliver projects with confidence, on time and on budget.

Install it, move on with confidence, and trust EMS wireless to deliver true “fit & forget” reliability.



FREE underwritten wireless survey*



Unrivalled UK support



Fit & forget

* UK only



SCALABLE SOLUTIONS

Wireless fire protection. Without limits.

EMS delivers the industry's most comprehensive range of wireless fire platforms, providing complete protection without a single cable in sight.

Our solutions are designed to scale effortlessly. Whether it's a compact system with just a few devices for small retail premises, or a fully networked, multi-panel installation for large and complex environments such as hospitals, universities, and major transport hubs, EMS has the right platform to meet every need.

At the core of every system is our unique EMS wireless technology, engineered to deliver uncompromising reliability, flexibility, and performance. With proven resilience and future-ready scalability, EMS platforms provide the confidence that your fire protection is not only robust today, but prepared for tomorrow's challenges.

Four solutions. Unified by flexibility and reliability.



- * Maximum of 64 wireless devices, with up to 32 detection devices.
- ** Based on 5x fully populated loop modules. Dependant on panel loop capacity.
- *** Based on 16 fully populated 4 loop (504 device) wireless networked control panels.



SMARTCELL IWZM

Expanding or upgrading an existing fire system can often be a challenge. With FireCell, this process is straightforward — but even if you're working with a system from another manufacturer, EMS has the answer.

The SmartCell iWZM can be seamlessly integrated with any conventional or addressable system via a third-party hardwired input/output device, enabling the addition of wireless devices with ease.

This makes it an ideal solution for incorporating high-power devices such as sounders and VADs on loops with limited power capacity.

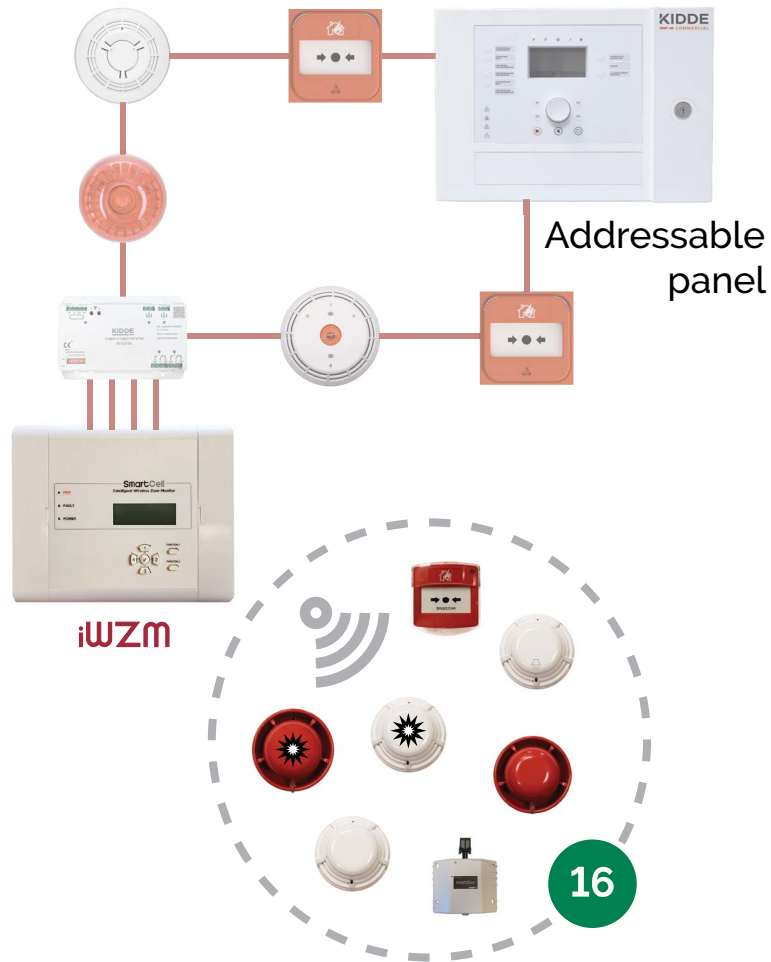
Furthermore, because wireless devices are addressed back to the iWZM itself, the unit also allows additional devices to be added beyond the original loop count.

SmartCell iWZM - Smart, simple, scalable.

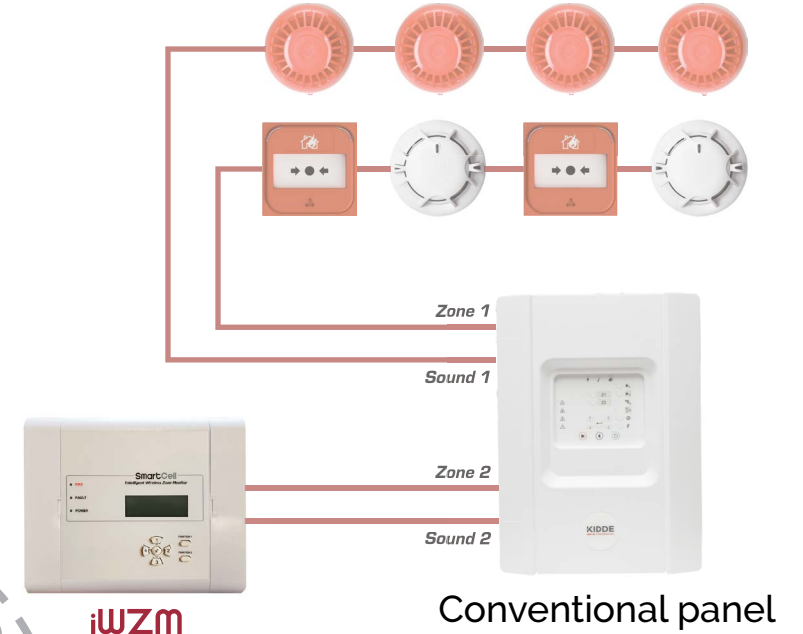
Find out more at mysmartcell.com

SMARTCELL IWZM SYSTEM OVERVIEW^[1]

ADDRESSABLE SYSTEM EXAMPLE^[2]

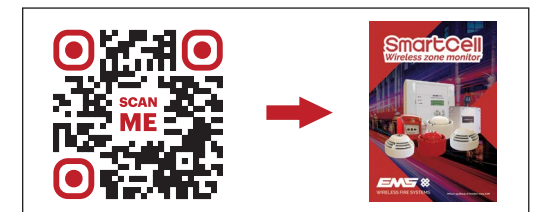


CONVENTIONAL SYSTEM EXAMPLE



[1] SmartCell iWZM connects to both addressable and conventional fire alarm systems (see schematics). Supports up to 16 wireless devices.

[2] Addressable systems connect via a 3rd-party hardwired I/O device or directly to the control panel I/O.





SMARTCELL

The SmartCell system is ideally suited to small and medium-sized buildings. This high-tech solution offers the ultimate in fire detection, incorporating features and benefits usually found only in expensive, high-end systems.

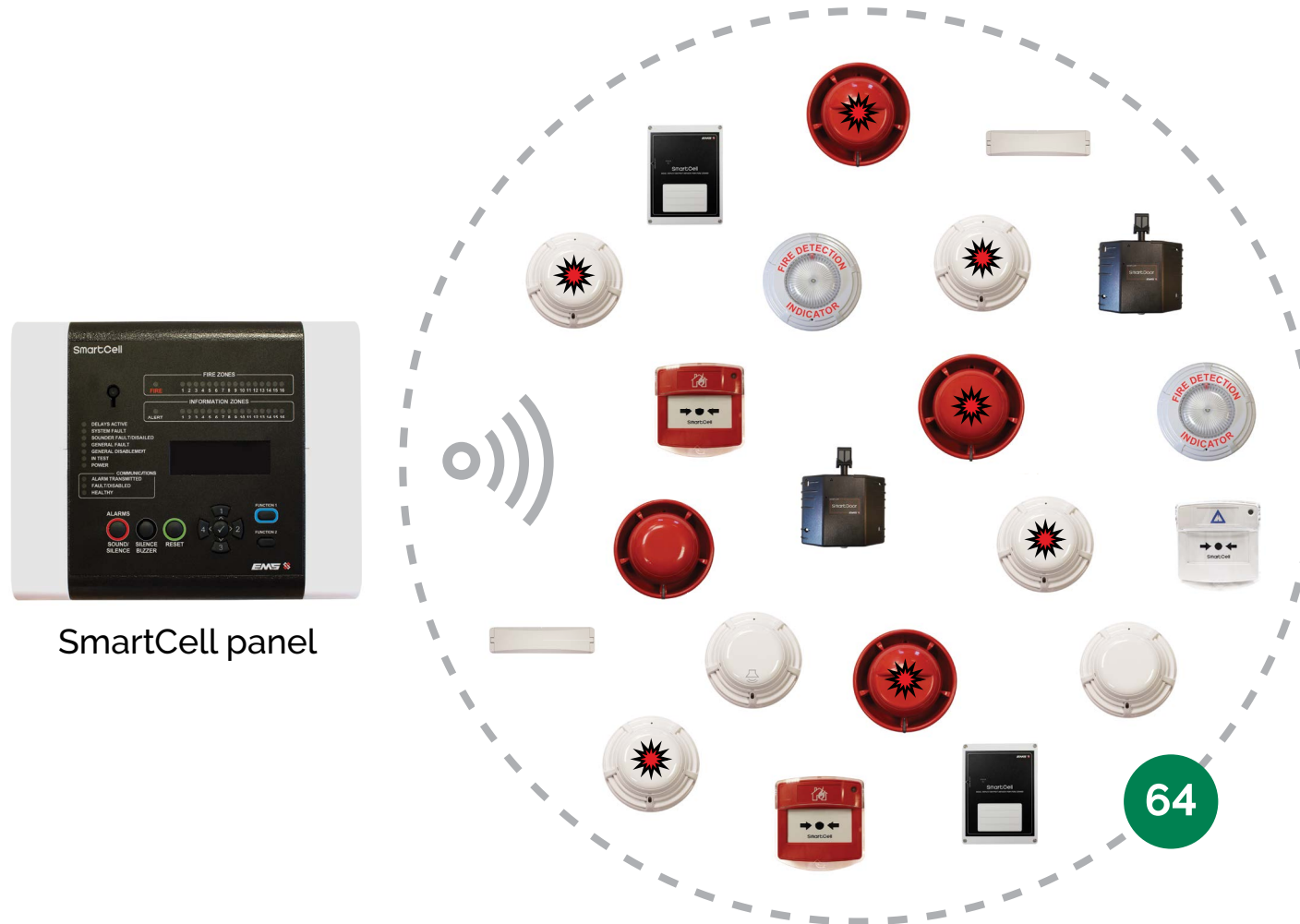
The wide range of technology-rich fire devices makes SmartCell the perfect choice.

Using EMS's patented wireless technology, SmartCell can also monitor non-fire inputs, such as flood detection and mains failure devices. The potential applications are limited only by your imagination.

SmartCell's technology goes even further, providing owners and service users with encrypted, 24/7 connectivity as though they were standing in front of the panel, plus instant notifications to mobile phones and/or computers.

Find out more at mysmartcell.com

SMARTCELL SYSTEM OVERVIEW^[1]



SmartCell panel

[1] Maximum 64 SmartCell wireless devices per SmartCell Control Panel, with a maximum of 32 detection devices.





FIRECELL

FireCell was the UK's first EN54-25 certified wireless fire system—and it's now stronger than ever.

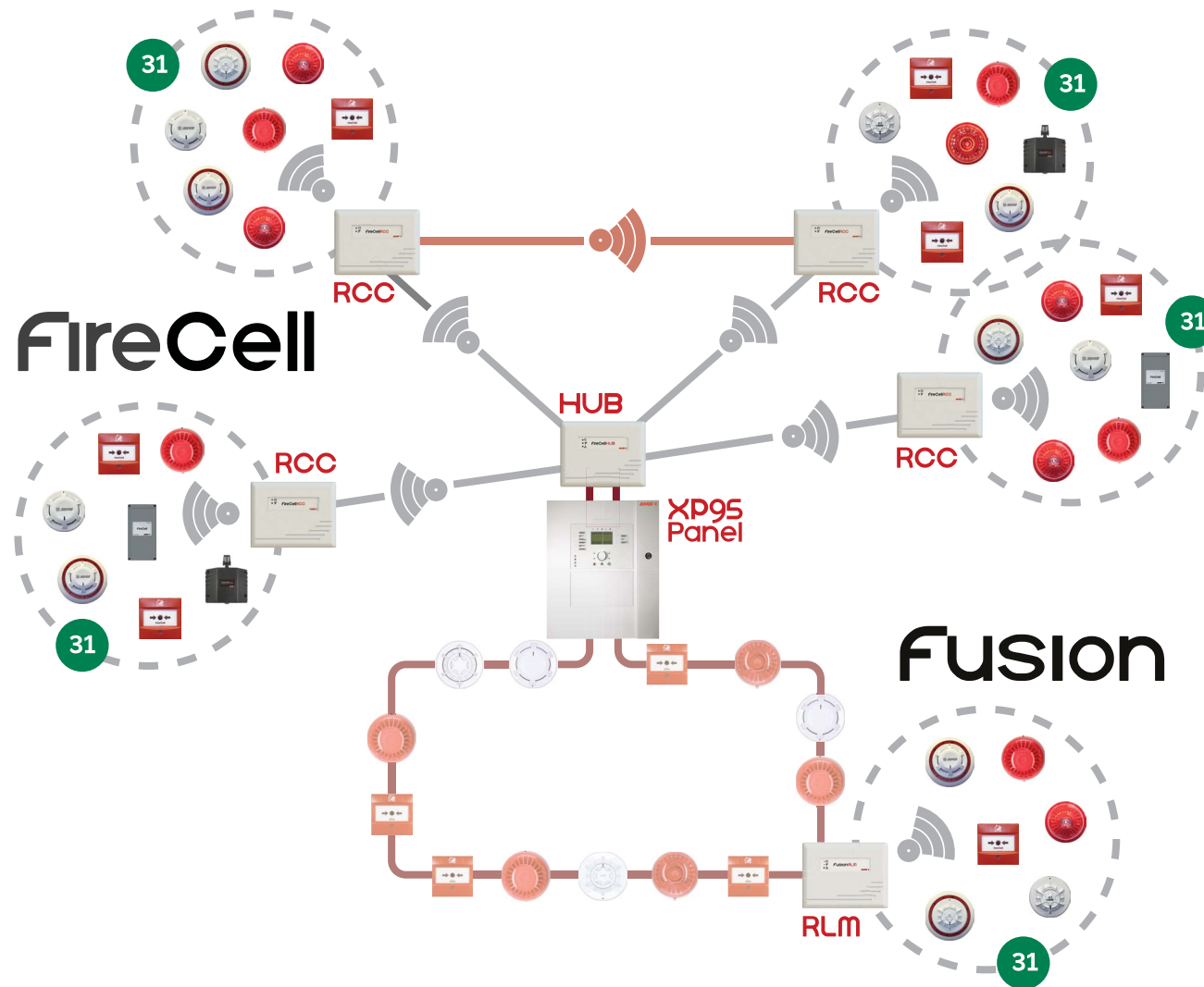
Now with 20% more power, longer battery life, and the ability to scale to 8,000 devices, FireCell offers full wireless or hybrid setups and loop modules that make refurbishments effortless.

FireCell wireless networking connects up to 16 panels without costly cabling—saving thousands while linking buildings with ease. From hospitals to universities, it delivers safer, smarter protection in days, not weeks.

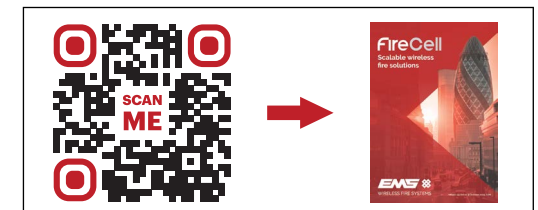
With EMS's renowned reliability, a comprehensive 5-year warranty on EMS parts, and unmatched support behind it, FireCell delivers genuine fit-and-forget peace of mind.

Learn more at [emsgroup.co.uk](https://www.emsgroup.co.uk)

FIRECELL SYSTEM OVERVIEW^[1]



[1] FireCell system supports up to 8,000 wireless devices using 16 networked 4-loop panels (504 devices each). Radio networking is supported only on Syncro AS and Taktis panels. [2] Each Fusion RLM supports up to 31 FireCell devices (XP95 panel required). Fault detail depends on panel type. Full integration with Syncro AS/Taktis panels. Up to 5 fully populated RLMs per loop, subject to panel capability.





Fast
installation



EMS
robustness



Unrivalled
UK support



Fit &
forget

emsgroup.co.uk