



STATIC SYSTEMS GROUP

SSG enhances patient safety and operational efficiency at Poole Hospital's Community Diagnostic Centres Endoscopy Unit

January 2026

Project overview

Poole Hospital, a key facility within the University Hospitals Dorset NHS Foundation Trust, embarked on a significant modular build initiative for its new Community Diagnostic Centres (CDC) Endoscopy Unit. SSG, a Halma company, was selected as the specialist contractor to design and deliver a comprehensive Nurse Call solution designed specifically for this new modular healthcare unit.

This £21 million development, led by Premier Modular, forms a cornerstone of the Dorset Integrated Care System's strategy to improve elective diagnostics by linking services across the region. The new centre features six procedure rooms, a training room and a seminar room, with scope for future expansion.

The key project objective was to ensure the unit was equipped with a fully compliant, future-proof communications system that would standardise patient safety protocols, streamline staff workflows and meet high standards as a major regional training centre.

Innovative solutions and system architecture

SSG provided a fully integrated Nurse Call system designed to support patient safety, staff efficiency and operational resilience. The architecture was developed to fit perfectly within the modular structure while ensuring full HTM 08-03 compliance.

The system featured key components for enhanced communication and safety, including under-desk panic buttons for staff and ceiling-mounted overdoor lights and tone units to optimise visibility and space. LCD indicators at nurse bases were precisely configured to respond to all call types with specific audible tones for emergencies. The central Nurse Call panel manages call priorities and complex cause-and-effect relationships across the unit.

A crucial feature was the design's ability to work with the modular structure, using customised layouts that fit the pre-installed wiring paths. The system also featured significant integration with the Building Management System for centralised monitoring and automation, allowing Nurse Call events to trigger building-wide responses such as lighting, HVAC or security alerts.



WHERE CARE MEETS TECH

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Consultative design and modular expertise

SOG's expertise in modular construction allowed for precise, efficient coordination with Premier Modular and TK Services.

This consultative approach focused on adaption and compliance:

- **Adaptation to modular constraints**

SOG adapted layouts and wiring to work around the existing wall structures and pre-installed cabling paths. This ensured minimal disruption and efficient installation within the defined build timeline

- **Patient-led design**

The solution was developed with patient and staff needs at its core, ensuring accessible WC configurations and intuitive call signalling to enhance the care experience while ensuring HTM 08-03 compliance

A partnership approach

The success of the project hinged on SOG's ability to work seamlessly within the fast-paced, multi-stakeholder environment of a modular build.

SOG's project management and installation teams worked closely with all parties involved, including clinical leads and contractors, to ensure the system was installed to exact specifications. Their responsiveness to design changes and on-site feedback was instrumental in delivering a successful outcome. This required proactive clinical collaboration to tailor system logic to the specific endoscopy workflow, rigorous contractor coordination to meet the exacting modular specifications and trust assurance through transparent communication with the Trust.

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Overcoming challenges

The main challenge was executing the installation within the non-traditional environment of modular construction and coordinating timelines across multiple contractors.

- Unlike traditional builds, SSG had to adapt its processes to the pre-built walls and defined structural modules, requiring the team to be highly flexible with wiring runs and equipment installation to prevent costly rework
- Successfully achieving two-way integration between the specialised Nurse Call system and the general BMS required meticulous configuration and testing to ensure clinical alerts could reliably trigger automated, non-clinical responses without fail
- Ensuring full HTM 08-03 compliance within the new modular framework required rigorous documentation and verification, confirming that every element met NHS standards for safety and effective communication

Long-term value and future resilience

The successful system delivery ensures the facility was equipped to deliver safe, efficient and high-quality care from day one.

The integration with the hospital's BMS provides a crucial advantage for future operations, improving how quickly the unit can respond to alerts and allowing real-time coordination between clinical alerts and automated environmental controls. This significantly improves safety and workflow efficiency.

Crucially, the system provides the Trust with a robust, scalable platform that supports future expansion, new digital devices and integration with evolving clinical workflows.

SSG's commitment extends beyond installation, with established maintenance programs and support services ensuring the system remains reliable, compliant and responsive to evolving clinical and operational needs.

As the healthcare sector continues to embrace modular builds and digital transformation, SSG remains a trusted partner, delivering future-ready solutions that empower clinical teams and improve patient outcomes.



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