

Sensitron previews its new control panel

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Founded in 1988, Sensitron, part of the Halma plc, is a global leader in designing and manufacturing advanced gas detection systems, offering solutions that ensure safety, sustainability, and efficiency across a wide range of industries. Committed to innovation, Sensitron today previewed at Intersec Dubai 2026 its new control panel for reliable gas detection systems with up to eight gas detectors.

Grounded in Sensitron's heritage, it evolves from the best-selling PL4+, preserving the proven reliability that has always defined Sensitron systems.

Built around the needs of those who work with it every day, the new control panel introduces a new user-oriented design approach, expressed through an essential form and a completely redesigned interface: more modern, readable, and intuitive, delivering a simpler operation and a tangible improvement in the on-site user experience.



With it, Sensitron introduces a new language into the world of gas detection, a highly technical field where functionality has traditionally taken precedence over identity. To achieve this, the company partnered with AMDL CIRCLE, the multidisciplinary studio founded by Michele De Lucchi, which carries out ongoing research on the future of architecture and its responsibility in imagining projects that not only acknowledge change but, where possible, inspire it.

As explained by Nicholas Bewick and Andrea Borgogni, Architecture Art Director and Senior Product Designer at AMDL CIRCLE: *"Design is the result of a complete reconfiguration of the internal components—battery, printed circuit boards, mounting systems, and more—arranged according to a new hierarchical order. This reorganization made it possible to create an unconventional pyramidal architectural form, redesigned together with the interface to simplify interaction with the entire gas detection system."*

Sensitron's new control panel introduces *design for those who work*, a new approach that places daily operations at its core, starting from practical use rather than aesthetics. From the way the control panel is read and understood to how it is used in the field, every design decision is guided by a clear functional requirement.

"We chose design as a strategy to complement our technical expertise, adding an element of differentiation in a highly competitive market," explains Marco Passadori, Managing Director of Sensitron. "Technology, compliance with standards, and experience are the foundations of our product development. The decision to introduce design stems from listening to those who use the product. From our ongoing dialogue with customers came the desire to create a control panel truly designed for its users."

Beyond design, the new control panel introduces a completely redesigned interface. New elements—including graphics, pop-ups, directional arrows, on/off switches, drop-down menus and contextual buttons—help users understand how the control panel works more quickly, without the need for prior knowledge. A multi-level digital login system replaces the physical key, ensuring greater operational control, traceability and protection. Menus are organized according to a logical tree structure, enabling intuitive navigation and immediate access to functions exactly where users expect to find them.

The control panel can be configured directly via the display or through a PC. PC-based configuration allows settings to be saved, replicated across similar systems and transferred easily. Event logs can be downloaded for advanced diagnostic analysis, ensuring full system traceability and proactive control.

It complies with ATEX Directive 2014/34/EU, as well as the main performance and functional safety standards, including EN IEC 60079-29-1 and EN 61508 / EN 50402 (SIL1).

With this new control panel, Sensitron demonstrates its ability to innovate within a highly specialized and regulated industry, without losing sight of its roots. Designed to endure and to be recognized over time, it reflects a philosophy where strong heritage meets a new design language, a new interface, and a renewed vision to safety.

Visitors can discover more about our new control panel at Intersec Dubai 2026, from January 12 to 14. Presented as a preview on this occasion, it will be introduced to the market soon, offering a concrete insight into Sensitron's vision for the future of gas detection systems.

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