

## Sensitron previews its new gas detection control panel

Sensitron is a global gas detection company. Its product range includes fixed gas detection systems, detectors, and control panels for all applications. Founded in 1988 in the province of Milan, Sensitron became part of the Halma plc group in 2021.

Designed to deliver precise performance even under the most demanding operating conditions, all Sensitron products are tested and CE-approved and, in the case of certified devices, carry international certifications including ATEX 2014/34/EU, EN 60079-29-1, MED, and SIL, which attest to their level of protection, performance, and reliability.

Committed to innovation, Sensitron previews its new control panel for reliable gas detection systems with up to eight gas detectors, which will be commercially available within 2026.



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.

The new design of the PL4 gas detection system is the result of the first collaboration between Sensitron and 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.

From a dialogue between technical experts and the design team, a more compact, intuitive, and visually appealing control platform was developed, designed to be adapted and customized for all of the group's international markets. The project is part of a broader strategic product and business development plan, which offered the opportunity to rethink the role of the control interface and create a completely new identity for this key component.

The "Command Tales" concept stems from AMDL CIRCLE's interdisciplinary approach—which integrates Architecture, Interiors, Products, and Graphics—enabling the object to be imagined within its context of use, ensuring it is clearly identifiable.

As explained by Nicholas Bewick and Andrea Borgogni, Architecture Art Director and Senior Product Designer at AMDL CIRCLE: *“The design is the result of a complete reconfiguration of the internal components—battery, print-ed circuit boards, mounting systems, etc. - arranged according to a new hierarchical order: the re-organization of the elements has allowed the creation of an unusual pyramidal architectural form, with a redesigned main display and control panel to simplify the physical and visual interface with the entire gas safety network.”*

Sensitron’s new control panel introduces a *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 introduces a new language into the world of gas detection, a highly technical field where functionality has traditionally taken precedence over identity, continuing to demonstrate its ability to innovate within a highly specialized and regulated market, 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.

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