

Linxens and Presto Engineering collaborate on NextGen Connected Biosensor Platform

Innovative platform integrating sensing, connectivity, and ASIC intelligence to debut at MEDICA 2025

Hall 12 / C31

[Levallois-Perret, France — November 12th, 2025] — Linxens, a global leader in component-based solutions, and Presto Engineering, a leading provider of advanced ASIC design and production services, **today announced a strategic collaboration** on a next-generation platform of connected biosensors. The initiative will be showcased at [MEDICA 2025](#), the world's largest medical trade fair, where Linxens will share the first results of this collaboration.

A biosensor platform concept for the next era of diagnostics

The collaboration lays the foundation for a scalable platform that integrates sensing, connectivity, and semiconductor intelligence into a single disposable device. By combining Presto's next-generation ASIC (application-specific integrated circuit) capabilities with Linxens' expertise in flexible biosensor transducers, electrodes, antennas, and high-volume industrial manufacturing, the companies are working toward a biosensor platform that is powerful, cost-efficient, and adaptable across diverse applications.

The platform is designed around four guiding principles:

- affordability and disposability for cost-sensitive healthcare contexts,
- compact and lightweight construction enhanced comfort and usability,
- digital connectivity for standardized results
- industrial scalability supported by Linxens' high-volume manufacturing expertise.
- design flexibility to support multiple formats and use cases

Broad potential across healthcare and beyond

Designed as a flexible, modular platform, the solution supports a wide range of use cases - from faster, contamination-free point-of-care testing and discreet wearable monitoring to rapid on-site analysis in food safety and environmental control. Its architecture enables quick adaptation to emerging diagnostic needs while preserving scalability and cost efficiency. By framing their initiative as a platform concept, Linxens Healthcare - Linxens' dedicated health brand - and Presto Engineering aim to deliver faster workflows, enhanced portability for field or low-resource settings, and more comfortable, discreet monitoring devices that can improve patient adherence. In industrial and environmental contexts, it supports on-site testing of pathogens or contaminants, helping to ensure safety and deliver fast, digital results in process-critical environments.



Leadership perspectives

“This collaboration is about more than just a new concept — it’s about laying the foundation for a platform that makes connected diagnostics practical, affordable, and scalable for real-world healthcare,” said **Pierre O. Beal, Healthcare Product Strategy Manager at Linxens Healthcare**. *“We see this as a basis for future innovation in testing and monitoring, empowering providers and patients with reliable digital data at the point of need.*

“From a technology standpoint, the breakthrough lies in embedding intelligence directly into the biosensor platform,” explained **Frédéric Valentin, SVP Sales & Marketing at Presto Engineering**. *“Our next-generation silicon platform brings secure connectivity and advanced signal processing into a compact, disposable format. When combined with Linxens’ flexible electronics and industrial-scale manufacturing, it creates a versatile architecture that can be tailored to applications ranging from infectious disease testing to wearable patient monitoring.”*

About Linxens

Linxens Group, global leader in electronic component-based solutions for connectivity, traceability, and authentication, has over 40 years of industrial excellence. **Linxens Healthcare** is a brand of the Linxens Group, focused on delivering advanced solutions for the healthcare sector. Leveraging the Group’s expertise in micro-connectors and flexible electronics, Linxens Healthcare designs and manufactures **biosensors, electronic skin patches and wearables**, and **solutions in Track & Trace** that enable precise monitoring, diagnostics, and patient care. operates 7 R&D centers and 8 factories worldwide, employing more than 3,000 people worldwide.

About Presto Engineering

Presto Engineering is a **leading provider of Application-Specific Integrated Circuits (ASICs)** for advanced medical devices, including wearables and diagnostics, with **ISO 13485 certification**. With over 35 years of circuit design and production expertise, Presto manages the entire process in-house, from feasibility to volume manufacturing. Presto’s custom ASICs enable miniaturization, low power consumption, IP protection, and long-term reliability, ensuring device safety and performance. The company has also developed **customizable silicon platforms for medical**, offering validated, taped-out IC foundations that reduce risk and accelerate time-to-market. Headquartered in France, with two European labs and operations in North America and Asia, Presto combines global reach with local expertise to support next-generation medical innovation.

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