



Introducing TWTG's Advanced Sensor Fusion Technology: A Leap Forward in Intelligent Predictive Maintenance

Continuous Innovation in NEON Promises to Transform Operational Efficiency and Safety in Industry

Rotterdam, March 18, 2024 – TWTG, a key player in Industrial Internet of Things (IIoT) solutions, announced the launch of new sensor fusion technology for compatible sensors within their NEON product range. Sensor fusion technology represents a significant stride in IIoT and the industries it serves by combining data from multiple sources to deliver a more comprehensive and accurate overview of industrial systems. This technology, particularly the innovative NEON *EventSync* and *TimeSync* functionality, promises substantial advances in intelligent predictive maintenance and operational management.

The introduction of *TimeSync* ensures precise time alignment across sensor networks, which is crucial for data accuracy and real-time analysis. Complementing this, *EventSync* delivers intelligent, event-driven data collection from multiple sources. When viewed via TWTG's SolidRed IIoT platform, this data enables engineers to enjoy a more profound understanding of the relationship between sensors, equipment, and data, creating more nuanced operational insights and decision-making. Synchronized measurements stand as a cornerstone for the realization of achieving a digital twin - a virtual model meticulously mirroring its physical counterpart.

Nadine Herrwerth, CEO of TWTG, highlighted the benefits of these innovations, stating, "Our new sensor fusion technology is designed to improve precision and efficiency, especially in the Energy and Chemicals Industries. This development is part of TWTG's

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ongoing efforts to innovate and stay ahead in the I-IoT space. We're committed to adding real value for our customers through these advancements.

With this focus, TWTG is supporting the industry-wide push towards operations that are safer, more sustainable, and more efficient. Our work in sensor fusion is a clear example of how we're constantly improving and maintaining our edge in I-IoT development, always with the goal of delivering practical benefits to our customers."

Starting from early 2024, all compatible NEON devices will have sensor fusion functionality. For devices already in the market, TWTG will offer these new features through software updates, ensuring that every compatible sensor benefits from this latest technology.

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About TWTG

TWTG is I-IoT. TWTG delivers market-leading LoRaWAN® sensors. The company has earned recognition for its green NEON products that solve industrial use cases. These wireless, battery-powered sensors revolutionize how industrial sites worldwide implement their digitalization strategy.

Founded in 2012, headquartered in Rotterdam, the Netherlands, TWTG specializes in building IECEx / ATEX-certified solutions for demanding markets such as the Energy and Chemicals Industries. TWTG's devices contribute to greater accountability and environmental responsibility, while making facilities safer and increasingly efficient.
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