

SAP and Endress+Hauser work on joint IIoT solutions

Open platform concept for process industry enables seamless integration of field instruments into business processes

SAP and Endress+Hauser will intensify their cooperation in the development of Industrial Internet of Things (IIoT) applications for the process industry. The enterprise software market leader and the specialist for process and laboratory measurement technology made the announcement during AICHE in Frankfurt, Germany, the world's leading trade fair for the process industry. In future, both companies intend to work closer together in the development of joint solutions, sales and customer implementation.

The goal is to fully integrate the Endress+Hauser field instruments as digital twins into the SAP cloud platform. Both companies want to take advantage of the services and smart apps from SAP's Leonardo system as well as Endress+Hauser's IIoT offering. The idea is to tightly integrate master and sensor data, as well as measurement values, into customer business, logistics and production processes and develop new digital services focused on predictive maintenance and predictive quality. An open platform concept forms the basis for this approach.

"Two innovative companies have come together here to realize the end-to-end OT/IT integration from field instrument all the way to business processes," said Hala Zeine, SAP's President of Digital Supply Chain and Manufacturing. "When it comes to digitalization, successful companies will be those able to tie their systems directly to business processes, thus reliably and fully opening up or circumventing the classic automation pyramid," explained Matthias Altendorf, CEO of the Endress+Hauser Group. "We and SAP share a common vision of implementing this strategy to the benefit of our customers."

Endress+Hauser's role in the partnership involves delivering the field instrumentation knowledge so critical to plant operators in the form of digital services, which will be implemented by integrating the existing Endress+Hauser IIoT services and the SAP platform using a standardized approach. From the initial creation and automatic updating of a digital twin across the entire product life cycle, to end-to-end connectivity from the sensor to the SAP IT platform, Endress+Hauser is supporting the digitalization strategy of its entire customer base.

SAP demonstrates the concrete benefits of the SAP Leonardo system as an innovation platform. In the SAP Asset Intelligence Network, field instruments are represented as digital twins, which serve as a basis for integration into the customer's business processes. Using SAP Leonardo technologies like Machine Learning, Analytics and Blockchain, intelligent services can be flexibly enabled for the production environment. Innovations in the area of maintenance and optimization will help customers achieve the two primary goals of reducing operational costs and increasing productivity.



EH_digitalization.jpg

SAP and Endress+Hauser aim to fully integrate Endress+Hauser's field instruments as digital twins into the SAP cloud platform.



EH_matthias_altendorf.jpg

Matthias Altendorf, CEO of the Endress+Hauser Group.

The Endress+Hauser Group

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. The Group employs more than 13,000 personnel across the globe, generating net sales of over 2.2 billion euros in 2017.

Structure

With dedicated sales centers and a strong network of partners, Endress+Hauser guarantees competent worldwide support. Our production centers in 12 countries meet customers' needs and requirements quickly and effectively. The Group is managed and coordinated by a holding company in Reinach, Switzerland. As a successful family-owned business, Endress+Hauser is set for continued independence and self-reliance.

Products

Endress+Hauser provides sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition. The company supports customers with automation engineering, logistics and IT services and solutions. Our products set standards in quality and technology.

Industries

We work closely with the chemical, petrochemical, food & beverage, oil & gas, water & wastewater, power & energy, life science, primaries & metal, renewable energies, pulp & paper and shipbuilding industries. Endress+Hauser supports its customers in optimizing their processes in terms of reliability, safety, economic efficiency and environmental impact.

History

Founded in 1953 by Georg H Endress and Ludwig Hauser, Endress+Hauser has been solely owned by the Endress family since 1975. The Group has developed from a specialist in level measurement to a provider of complete solutions for industrial measuring technology and automation, with constant expansion into new territories and markets.

For further information, please visit www.endress.com/media-center or www.endress.com

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