

# Netilion – the IIoT system from Endress+Hauser

Increased system availability through intelligent and connected applications

At the Hannover Messe, Endress+Hauser will premier Netilion, an ecosystem that combines applications and system components that significantly simplify system management and maintenance. The Netilion Scanner App, as well as Netilion System Components, make it easy to monitor the installed base, while Netilion Analytics provides an overview of the installed instruments. Netilion Health visualizes and interprets the status of the installed base, thus enabling operators to quickly initiate maintenance measures when irregularities occur. And with Netilion Library, Endress+Hauser is offering an online data management service for the entire life cycle of the measurement point.

**Netilion Scanner** is a free smartphone app that captures instruments with a QR code or RFID tag. Apart from the instrument data, the app can be used to store images and other information such as GPS coordinates, tag numbers or the location of the instrument. Other measurement data such as the accessibility of the instrument, criticality or quality-relevant parameters can also be defined directly in the field and stored via the app. The data is then automatically saved online and stored offline on the instrument's RFID tag.

**Netilion System Components** such as adapters, gateways and edge devices facilitate automatic capture of the instruments and instrument data without having to interact with the control circuit. The installed base of instruments is now stored in the **Netilion Analytics** online service to automatically create a digital twin of the system. The installed base can now be analyzed with the help of dashboards in order to initiate proactive maintenance measures for critical instruments or swap out discontinued instruments.

Thanks to the OT and IT integration of the field instruments by means of Netilion System Components, operators can exploit the advantages of Heartbeat technology and capture relevant diagnostic and monitoring data from the instrument or the process. **Netilion Health** visualizes the instrument diagnostic data to pinpoint the cause of any irregularities and associated remedies, all specific to the instrument. This improves the ability to respond in cases where maintenance or service is required. The Health app can furthermore track the condition of the instrument so that other maintenance optimization measures can be initiated.

**Netilion Library** helps users to organize work files and documents. Endress+Hauser already has digital twins of 40 to 47 million instruments, which serves as the foundation. Netilion Library is a file sharing and data management service for the complete life cycle of an instrument. Files can be continuously added to the digital twin in a traceable manner so that they are available at any time and from anywhere. This saves significant time when carrying out maintenance or engineering activities since the often tedious search for information is eliminated. The combination of Netilion Library and **Netilion Tablets** from Endress+Hauser will make the mobile and paperless maintenance of the future a reality.



**EH\_Netilion.jpg**

The Netilion IIoT ecosystem supports users with intelligent and connected applications.

## **The Endress+Hauser Group**

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. The Group employs approximately 14,000 personnel across the globe, generating net sales of over 2.4 billion euros in 2018.

## **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](http://www.endress.com/media-center) or [www.endress.com](http://www.endress.com)

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