

Endress+Hauser develops hygiene and wastewater test system

Collaboration with the School of Life Sciences

Together with the FHNW School of Life Sciences in Muttenz, Switzerland, and EnviroChemie, a plant engineering company, Endress+Hauser has developed and installed two test platforms in the university's Process Technology Center (PTC). The goal is to incorporate the platforms into the university's teaching, research and education remit.

In the area of hygiene, the research and development focus is on flowmeters and other process technology components that are subject to stringent cleanability requirements. Here, Endress+Hauser collaborated with the FHNW School of Life Sciences to design a test system that can be used to carry out all common cleaning processes and develop new cleaning processes.

Endress+Hauser provided a highly complex automation solution for the wastewater test platform. The primary challenge was the implementation of a modular design. Researchers at the FHNW School of Life Sciences FHNW were able to join the individual process steps together. This makes the project different from community and industrial systems that feature clearly defined, individual processes and process steps. To make it possible for students to work on the system, the project also had a clear focus on safety.

The Process Technology Center

The FHNW Process Technology Center (PTC) was opened in June 2019 as part of a new construction project on the Muttenz campus. This new platform for the development of chemical, biotechnological and environmental engineering processes strengthens the university's application-oriented research and development activities.

Strong focus on training and education

Because Endress+Hauser places high value on the training and education of young people, the company is involved in various research and development projects with local training and education facilities around the world, including close partnerships with 15 colleges and universities worldwide.



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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 & metals, 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.

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