

Successful automation of industrial wastewater monitoring

Endress+Hauser is the ideal automation partner for water and wastewater applications and implements the most diverse, complete solutions for its customers in the environmental sector.

The "People for Process Automation" implement water quality monitoring systems with analytical measuring technology and fully-automated sampling - all from a single supplier and individually customized to suit your needs. The company also supplies analysis cabinets for municipal sewage treatment plants to monitor nutrients such as ammonium, nitrate and phosphate online and continuously. The industry-specific measuring and automation technology is both safe and protected in container-based solutions, for example, for power plants or in the pharmaceutical industry.

Analysis panels clearly display the automated wastewater monitoring system for parameters such as pH, ORP, conductivity, oxygen or turbidity among others and they can also be used as mobile units. Neutralization and monitoring of industrial wastewater are mandatory before it is fed into the public sewer system. In this area too, Endress+Hauser offers suitable solutions, which have been tried and tested in various sectors.

From planning to maintenance

Endress+Hauser's comprehensive range of services starts with planning and managing construction of the plant and extends to not only supplying and assembling the tanks but also delivering and installing other system components such as pumps, valves and agitators. Needless to say, the experts also supply and mount the measuring technology and carry out the electrical installation in the plant.

After the design and sizing stage, creation of the exact wiring diagram and precise manufacturing to requirements, the cabinet is delivered. The solution experts create the automation software based on the specifications and include the PLC, data visualization and evaluation components and accompanying Operating Instructions. Once the plant is in operation and the process running, Endress+Hauser works with the owner/operator and continuously optimizes the process engineering.

Graphic 1



Endress+Hauser implements the most diverse complete solutions to monitor industrial wastewater. This graphic shows a water quality monitoring station in a refinery.

The E+H Group

Endress+Hauser is a leading international supplier of measuring devices, services and solutions for industrial process engineering. The company group has more than 13,000 employees worldwide. In 2015 it generated net sales of EUR 2.1 billion.

Structure

Professional support is guaranteed worldwide through its own Sales Centers and a network of partners. With product centers in eleven countries, E+H is fast and flexible in meeting the needs of its customers. A holding company in Reinach/Switzerland manages and coordinates the company group. As a successful, family-run business, Endress+Hauser plans to remain an independent, unaffiliated company into the future.

Products

Endress+Hauser supplies sensors, devices, systems and services for level, flow, pressure and temperature measurement, as well as analysis and measured value recording. The company supports its customers with services and solutions in the area of automation engineering, logistics and IT. The products set standards in terms of quality and technology.

Industries

Customers are primarily from the chemical/petrochemical, food, oil and gas, water/wastewater, energy and power plant, life science, metal and primaries, renewable energy, paper and pulp and shipbuilding industries. With support from Endress+Hauser, they are able to implement reliable, safe, efficient and environmentally friendly process-engineering procedures.

History

Endress+Hauser was founded in 1953 by Georg H. Endress and Ludwig Hauser. The Endress+Hauser Group has been exclusively owned by the Endress family since 1975. The company has developed from being a specialist in level measurement to a provider of complete solutions for industrial measurement technology and automation. During this time, it has consistently developed new markets.

Further information is available at www.de.endress.com, www.at.endress.com or www.ch.endress.com

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