

Certified for secure product development

Endress+Hauser receives the IEC 62443-4-1 certification for the secure development of products, thus laying a further building block for compliance with the European Cyber Resilience Act.

In October 2024, TÜV Rheinland, the German Technical Inspection Association in the Rhineland region of Germany, certified the secure product development process at Endress+Hauser in accordance with the IEC 62443-4-1 security standard, maturity level 3. Five product centers have received the certification and thus meet the requirements for the life cycle of the products.

The Council of the European Union passed the Cyber Resilience Act (CRA) in October 2024. This stipulates that products must demonstrate a high level of cybersecurity throughout their entire life cycle. Appropriate measures and methods must be implemented as early as the product development stage. Endress+Hauser follows this “Security by Design” approach to provide customers with the best possible support in protecting their systems.

“We are particularly proud of this certificate as it recognizes our many years of effort to achieve the highest level of security in our product centers. This level of structured approach across many different development sites shows the importance Endress+Hauser places on cybersecurity,” says Mirko Brcic, Product Security Officer at Endress+Hauser.

One visible result of the cybersecurity measures is the development of secure access to Endress+Hauser measuring devices via Bluetooth. Even the internet standardization body IETF now recommends the CSpace protocol used in the Endress+Hauser SmartBlue app for password-protected access.

Standard affects various aspects

In principle, a company that aligns its processes with IEC 62443-4-1 must prove that cybersecurity is incorporated throughout the entire life cycle of a product. As part of the group certification, the certifying body checks the following aspects, among others:

- Risk and threat analyses
- Security by design
- Security testing
- Vulnerability management
- Customer security manual

“With the IEC 62443-4-1 certification, we have jointly laid the foundation for supplying secure products in the future and being prepared for regulations such as the CRA,” says Mr Brcic. Five of the Group’s competence centers were certified: Endress+Hauser Flow, Endress+Hauser Level+Pressure, Endress+Hauser Liquid Analysis, Endress+Hauser Temperature+System Products, and Endress+Hauser Digital Solutions.



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Endress+Hauser has received the globally recognized IEC 62443-4-1 certification with maturity level 3 for the secure development of products.



EH_product_security_2.jpg

Product security expertise: Mirko Brcic (third from right) and the product security managers of the Endress+Hauser product centers (from left: Manfred Niederer, Karsten Traub, Dr Claudia Nowak, Simon Merklin and Sushil Siddesh) played a key role in achieving IEC 62443-4-1 certification.

The Endress+Hauser Group

Endress+Hauser is a global leader in measurement and automation technology for process and laboratory applications. The family company, headquartered in Reinach, Switzerland, achieved net sales of more than 3.7 billion euros in 2023 with a total workforce of almost 17,000.

Endress+Hauser devices, solutions and services are at home in many industries. Customers thus use them to gain valuable knowledge from their applications. This enables them to improve their products, work economically and at the same time protect people and the environment.

Endress+Hauser is a reliable partner worldwide. Its own sales companies in more than 50 countries as well as representatives in another 70 countries ensure competent support. Production facilities on four continents manufacture quickly and flexibly to the highest quality standards.

Endress+Hauser was founded in 1953 by Georg H Endress and Ludwig Hauser. Ever since, the company has been pushing ahead with the development and use of innovative technologies, now helping to shape the industry's digital transformation. 8,900 patents and applications protect the Group's intellectual property.

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