



## **AUTOMATED AS BUILT (NAMUR NE 176)**

The objective is to compare live parameters of sensors with their “as-built” parameters. To document and continuously check sensor parametrization the AAS is used as a technical basis.

### **USE CASE LEAD**



## **Endress+Hauser**

People for Process Automation

### **MOTIVATION**

Monitoring sensors on the shopfloor is time-consuming with a lot of necessary but inefficient manual activities from the operators due to the missing interoperability between the various systems and suppliers as well as the insufficient integration of the individual assets. Also, Using an interoperable digital twin to get a transparent view of the plant with the numerous sensors on the shopfloor and reduce manual efforts in operations.

### **THE ROLE OF THE OI4**

Aligning with Asset Administration Shell (AAS) standards demonstrates the Open Industry 4.0 Alliance's commitment to interoperability. This supports streamlined onboarding for IIoT devices and third-party apps, enabling efficient, standardized workflows and flexible multi-vendor management.

### **VALUE PROPOSITION**

The availability of sensor parameters in a standardized form, independent of suppliers, ensures uniformity and flexibility in system integration. This is further supported by simplified maintenance, which is achieved through automated notifications in case of anomalies, ensuring quicker response times. Additionally, the architecture is future-proof and designed to be ready for Manufacturing-X use cases, enhancing its adaptability and long-term relevance in modern manufacturing environments.

#### **AAS SUBMODELS USED**

PROPRIETARY / DIGITAL NAMEPLATE

#### **PHASE OF ASSET LIFE-CYCLE**

OPERATION