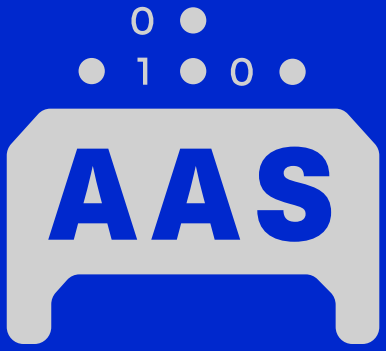
The Asset Administration Shell (AAS) in action



AAS Guide

SPS 2026

IDTA

AAS exhibits

Understand AAS

Home of the AAS
Get ready for the industrial implementation of the AAS. Get all the information and updates on the AAS information model, use cases, Submodels and all developments from this onestop shop for the AAS.

Hall 5 | 358

industrialdigitaltwin.org info@idtwin.org

AAS-Powered Digital Visitor Passport
The IDTA Visitor Passport showcases how the AAS enables simple and efficient digital information exchange based on an open standard at the trade fair. By scanning QR codes at exhibitors' booths, visitors can collect information about exhibits, including descriptions, contact details and additional links, in a personalised digital trade fair pass. The collected information remains accessible beyond the event, demonstrating how the AAS enables standardised data exchange and connects exhibits, exhibitors and visitors.

Hall 5 | 358

industrialdigitaltwin.org info@idtwin.org

SmartFactory
Two screens display both a physical system and its corresponding digital twin. This is a real machine that demonstrates a complete production line – from order placement, through blank retrieval, to the handoff of the personalized product to the recipient.
Once the product is finished, the AAS can be accessed via a QR code. Within the AAS, the DPP and PCF relevant data for the personalized product are made available.

Hall 1 | 310

smc.eu digital.de@smc.com

SmartCar: An End-to-End AAS
The SmartCar demonstrator shows how product information can be described and accessed throughout the lifecycle of a physical asset. By scanning a QR code, visitors access standardized information including Digital Nameplate, Technical Data, Handover Documentation, Digital Product Passport content and time-series data. The exhibit illustrates how AAS submodels provide structured information across systems and support the digital representation of industrial products.

Hall 5 | 358

mm-software.com tnn@mm-software.com

Experience AAS in the Software Defined Industry-Area
In the model factory we fully integrated the AAS with the help of the open SmartFactory Architecture. It includes automated product AAS generation, description of module capabilities through AAS and matchmaking between product needs and machine skills. Agents use AAS data to manage value streams in the corporate data space based on BaSyx. Each product from our live-demo receives an auotmatically generated Digital Product Passport (DPP).

Hall 6 | 130

smartfactory.de stephan.hamm@smartfactory.de

Understand AAS and become a certified Expert

AAS Training Programme
Learn from leading experts at the Home of the AAS.
Choose from flexible modules.
Click here

AAS exhibits

Create AAS Ecosystems

twinfix – check and fix your digital twins
twinfix is a validation and auto-repair service for AASX-format AAS packages that ensures strict compliance with the IDTA AAS specification. Designed for engineers, integrators, and platform operators, it automatically resolves non-ambiguous structural spec violations without altering semantic submodel content. By validating package structures, metadata constraints, and submodel template while providing precise path reporting, twinfix ensures full platform compatibility.

Hall 5 | 358

twinfix.twinsphere.io christian.guenther@conplement.de

twinsphere AAS Suite
twinsphere is the unique SaaS platform for digital twins based on the AAS. It offers flexible solutions for companies (from SME to large enterprises) to simplify their digital transformation, increase process efficiency and securely manage digital assets. Highly scalable, it supports companies with a wide range of use cases along the value chain like Digital Nameplate, DCC and DDCC with SAP BNAC integration, Edge Device Onboarding, the Digital Product Passport or Document Exchange

Hall 5 | 358

twinsphere.de christian.guenther@conplement.de

twinstudio –
streamlined, AI assisted AAS creation
twinstudio is the integrated solution for assisted, manual creation of Digital Twins. With it, users are assisted in creating and publishing AASs, submodels and submodel templates without the need to master the IDTA metamodel. Based on twinsphere it offers full flexibility while reducing the complexitiy of AAS creation through the use of AI servicves. This makes twinstudio a comprehensive tool for optimizing data exchange or advancing digital transformation.

Hall 5 | 358

conplement.de/twinstudio christian.guenther@conplement.de

Neoception AXON |
The Operating System for Your AAS Ecosystem
Neoception AXON runs the largest productive installed base for on-demand AAS creation. It turns data from ERP, PLM, PIM and MES into standardized AASs, without data migration and without a new project per use case. PCN, Digital Product Passport, DCC and VDI 2770 build on the same connectors. See a product change travel live from release into the customer's engineering tool. Live at the IDTA booth.

Hall 5 | 358

neoception.com contact@neoception.com

Mnestix Enterprise
The Mnestix Enterprise is a productive, industry-ready solution that provides customers with a single digital access point to AAS-based Digital Twins and Digital Product Passports. It enables standardized delivery of digital nameplates, paperless documentation (VDI 2770), regulatory information (e.g. DPP, CRA), maintenance data, and additional after-sales services.

Hall 6 | 320

xitaso.com/mnestix alwin.hoffmann@xitaso.com

Industrial BaSyx
XITASO, Fraunhofer IESE and NetApp are jointly developing a solution to advance digitalization in the machinery sector. The Industrial BaSyx Solution enables enterprise-wide use of Eclipse BaSyx with straightforward implementation, secure operation and flexible scalability. The goal is faster time to productivity, sovereign data management, and a technical foundation for the Digital Product Passport and AI. Interoperable, secure and scalable.

Hall 6 | 320

xitaso.com/industrialbasyx alwin.hoffmann@xitaso.com

AAS exhibits

Create AAS Ecosystems

codewerk

Codewerk DPP Platform

The Codewerk DPP Platform makes it simple for small and mid-sized component manufacturers to create and host AASs. It connects to your existing ERP, MES, or database – no IT overhaul, no in-house AAS expertise needed. The platform generates standards-compliant AASX files with Digital Nameplate and Handover Documentation submodels, plus a machine-readable ID per IEC 61406, fully hosted and maintained by Codewerk.

Hall 6 | 350G

codewerk.de/dpp-plattform/ sales@codewerk.de

STAHL

DPP & DIGITAL TWIN Out of the box

TWINPORTAL: launch your DIGITAL TWIN in minutes – the fully customizable white-label platform for AAS and DPP, with no development resources required. Set up AASs and digital product passports in your own corporate design, with full control over layout, structure, and functions. New: Private Space lets you manage and share twin data securely within a protected, access-controlled area, exclusively for selected partners. Fast to deploy, easy to scale, ready for tomorrow.

Hall 7 | 170

dt.r-stahl.com roland.dunker@r-stahl.com

AAS exhibits

Exchange Data with AAS

soffico

Orchestra: Seamless integration of AAS concepts into system landscapes

Orchestra serves as a data hub for industrial AI and AAS, enabling the seamless integration of AAS concepts into existing system landscapes. Data from IT/OT systems is consolidated and mapped to the structures of the AAS submodels. “One Click Industrial AI” provides context-aware, harmonized industrial data for AI applications. The Orchestra Data Hub enables data exchange and industrial AI applications with minimal integration effort.

Hall 6 | 320

soffico.de/en customer@soffico.de

rexroth
A Bosch Company

Bridging OT and IT: AAS-driven Shopfloor Orchestration

Our use case demonstrates the dynamic orchestration of machinery and IT systems utilizing our Bosch-wide PLC automation software standard Nexeed Automation and the Rexroth Asset Orchestration Platform. By mapping controller logic and IT interfaces into standardized AAS submodels, we bridge the gap between physical machine capabilities and factory software. This allows us to establish highly flexible, vendor-independent plug-and-produce integration and realize automated, end-to-end process flows.

Hall 7 | 450

community.boschrexroth.com constantin.ziesche@boschrexroth.de

Avelion Group

AAS: From Product Passport via the MES to orchestrated Machine Skills

Our offering follows one production asset through its lifecycle in a single AAS. Digital Nameplate and Digital Product Passport submodels hold product and compliance data. A link to MES and production IT adds order and machine data. A capability submodel describes what the asset can do, independent of machine type, so production planning can assign orders by capability instead of fixed machine allocation. Contributors: :em engineering methods and WAGNER Informatik (Avelion Group).

Hall 5 | 358

avelion-group.com dennis.janitza@em.ag

EPLAN

Product Change Notifications

Eplan demonstrates how the AAS is used to integrate data of component manufacturers to engineering projects and get Updates as Product Change Notifications. Component manufacturers provide type data in the form of AAS in the Cloud. “Product Change Notifications” (PCN) for end-of-life announcements, expired certifications, firmware updates, or other relevant changes are assigned to specific projects, machines, or systems directly via the documentation in EPLAN.

Hall 3C | 321

eplan.com geyrhalter.j@eplan.de

ptc

PTC’s AI Powered Digital Thread Solutions

Collaborative Engineering enables seamless cooperation between component suppliers, product designers, and machine builders, driving faster time-to-market, improved quality, and fewer errors. The demo showcases how CAD, PLM, and design tools leverage the AAS for efficient data exchange. PCN handling and component import from AAS are key highlights, demonstrating the power of digital collaboration.

Hall 5 | 358

ptc.com

AAS exhibits

Exchange Data with AAS

SIEMENS

Efficient Engineering through AAS

In the contemporary industrial context, the unstructured and dispersed nature of digital twin data can present significant challenges for engineers, who must dedicate a substantial amount of manual effort to identifying, structuring, converting, and completing data for both engineering purposes and regulatory compliance. Teamcenter Supplier Connect for AAS offers a solution that empowers customers to enhance engineering efficiency by leveraging AAS search, import, export and update capabilities.

Hall 11 | 100

constantin.liepert@siemens.com

bill-X

ActiveDB: AAS-based living digital twins – with partner doubleSlash

ActiveDB by bill-X is a graph-based platform for living digital twins. It imports and serves AAS, links their submodels with OPC UA live data and operational data across the life cycle, and provides them via REST, MQTT and a GQL-based query language. Partner doubleSlash uses ActiveDB in customer projects to connect devices and systems, to build data products and to meter and bill digital services. At BASF the platform runs as SpinalOS.

Hall 5 | 160 | 161

bill-x.de thomas.gering@bill-x.de

ROX
Enabling AI Robotics

Data Sovereignty Enabling AI Robotics

The RoX exhibit demonstrates how companies can securely discover and exchange asset and AI-related information across company boundaries. In an industrial robotics use case, the exchanged data enables the sovereign retraining of an AI model, which is returned and validated for use in production. Common semantics and data space technologies enable a seamless cross-company process.

Hall 5 | 358

project-rox.ai info@project-rox.ai

AAS exhibits

Apply AAS in Industry Use Cases

HEITEC

Monitoring and Optimisation for Hazardous Areas

The HEITEC Data Collector integrates with R. Stahl's explosion-protected systems for secure, real-time data extraction from hazardous brownfield areas. It enables remote access to diagnostic data without modifying existing infrastructure. By continuously monitoring device status and performance parameters, the solution supports predictive maintenance. It complies with ATEX/IECEx standards and ensures interoperability with common fieldbus and Ethernet protocols.

Hall 6 | 220

heitec.de michael.roegner@heitec.de

LABraDT – The Rapid Application Development Toolkit for Digital Twins

LABraDT is an open-source framework for developing modular, AAS-based Digital Twin applications. It provides reusable software components and abstracts the connectivity to cyber-physical production systems. This enables applications and services to be developed independently of specific production system integrations and tested in a controlled environment. The framework supports the development, testing and validation of Digital Twin and AI-based services before deployment to real product.

Hall 6 | 340

isw.uni-stuttgart.de/en carsten.ellwein@isw.uni-stuttgart.de

Semantic Matching for PDF and OPC UA integration into AAS

The demonstrator shows how semantic matching can map information from PDF documents and OPC UA data structures to elements of an AAS. Users enter a target characteristic in natural language. The application searches the available data, including linked OPC UA data points and their relationships across nodes, ranks possible matches and displays relevant source information and confidence values. Users can review the proposed candidates and select the appropriate source for the AAS element.

Hall 6 | 340

isw.uni-stuttgart.de/en ariana.metovic@isw.uni-stuttgart.de

Lenze MOVE STRONGER.

Reducing Complexity – End-to-End Engineering Across Manufacturers and Tools

With its AAS server, Lenze provides digital product twins centrally and automatically. Machine builders can directly use up-to-date product information and product change information (PCN) in their engineering tools (e. g., PLM and E-CAD). This reduces manual data transfer and accelerates engineering processes. At the same time, the data remains available during operation for vulnerability monitoring and security updates.

Hall 7 | 391

lenze.com

FESTO

Digital Twin in Engineering and Operation

Discover, how Festo provides Digital Twins to the market. Experience this innovation firsthand in our live systems and interactive demonstrators including engineering, virtual commissioning and operation. Learn about our new system in operation where Festo provides Product Change Notifications in Eplan by AAS. Discuss your demands with our Digital Twin experts.

Hall 9 | 305

festo.com digital_twin@festo.com

SIEMENS

Efficient Plant Engineering

This exhibit demonstrates how COMOS and AAS support a unified digital thread by connecting engineering information across disciplines and lifecycle phases. It shows how AAS can represent plant assets in a standardized format, enabling consistent data exchange, traceability, and interoperability between engineering, operations, and maintenance systems.

Hall 11 | 100

siemens.com aygah.turan@siemens.com

AAS exhibits

Share & Scale with AAS

zvei
electrifying ideas

DPP4.0 in the Context of Industrial AI
Industrial AI needs data that can be understood, shared, and trusted. The AAS, as a standardized Digital Twin, provides the foundation for interoperable data spaces, automated processes, and AI-powered applications. Using DPP4.0 as an example, we show how the same structured data can bridge compliance and business value by enabling Digital Product Passports, digital services, operational efficiency, and new data-driven business models.

Hall 3 | 321

zvei.org stefan.schork@zvei.org

Fraunhofer IESE

AAS Dataspace Professional
The exhibit shows how dataspaces enable Software Defined Industry, highlighting examples like the DPP with quick return on investment. The integration of our solution with the model factory of SFKL illustrates how AAS technologies enable simple, standards-based data exchange across organizational boundaries and how existing systems like ERP can be integrated. Visitors can see how this approach supports the creation of new business models and revenue streams.

Hall 6 | 130

iese.fraunhofer.de frank.schnicke@iese.fraunhofer.de

IDTA

ADX Hub
The ADX Hub facilitates standards-compliant open data exchange with sharing and accessing AAS and product-related data across AAS ecosystems. Providing a central point of access for data providers and users, it addresses fragmented data integration and supports the scalable use of AAS. Automated access to constantly updated information enables more efficient processes, higher data quality and reduced data management effort.

Hall 5 | 358

adx-hub.com contact@adx-hub.com

Share and Scale AAS

Asset Data Exchange Hub (ADX Hub)
Discover partners, validate AAS, access, create or edit AAS. The ADX Hub brings essential tools and resources for AAS based data exchange together in one place.
Click here

Guide SPS 2026



AAS @ Stages

TUE 24.11.	
10:00 – 10:20	**DPP4.0 – The Digital Product Passport for Industry 4.0** Dr. Stefan Schork | ZVEI e. V. **Hall 3** | **421**
15:20 – 15:40	**Making Digital Twins Fly** Patrick Bornstein | SICK, Constantin Liepert | Siemens **Hall 3C** | **311**
15:40 – 16:00	**Datenräume als Fundament der Digitalisierung – Vom Digital Twin über Manufacturing-X bis Industrial AI** ZVEI Panel **Hall 3** | **421**

WED 25.11.	
13:20 – 14:00	**AAS, DPP and Cyber Resilience Act in Times of AI** Uwe Haas | Bosch Rexroth, Christian Barth | Festo, Fabian Distel | Murrelektronik, Moritz Haas | Inneo, Christian Ewertz | PTC, Adrian Grüner | Neoception **Hall 1** | **250**

WED 25.11.	
16:00	**IDTA Community Get-together** **Hall 5** | **358**

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