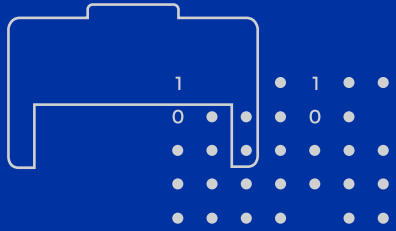
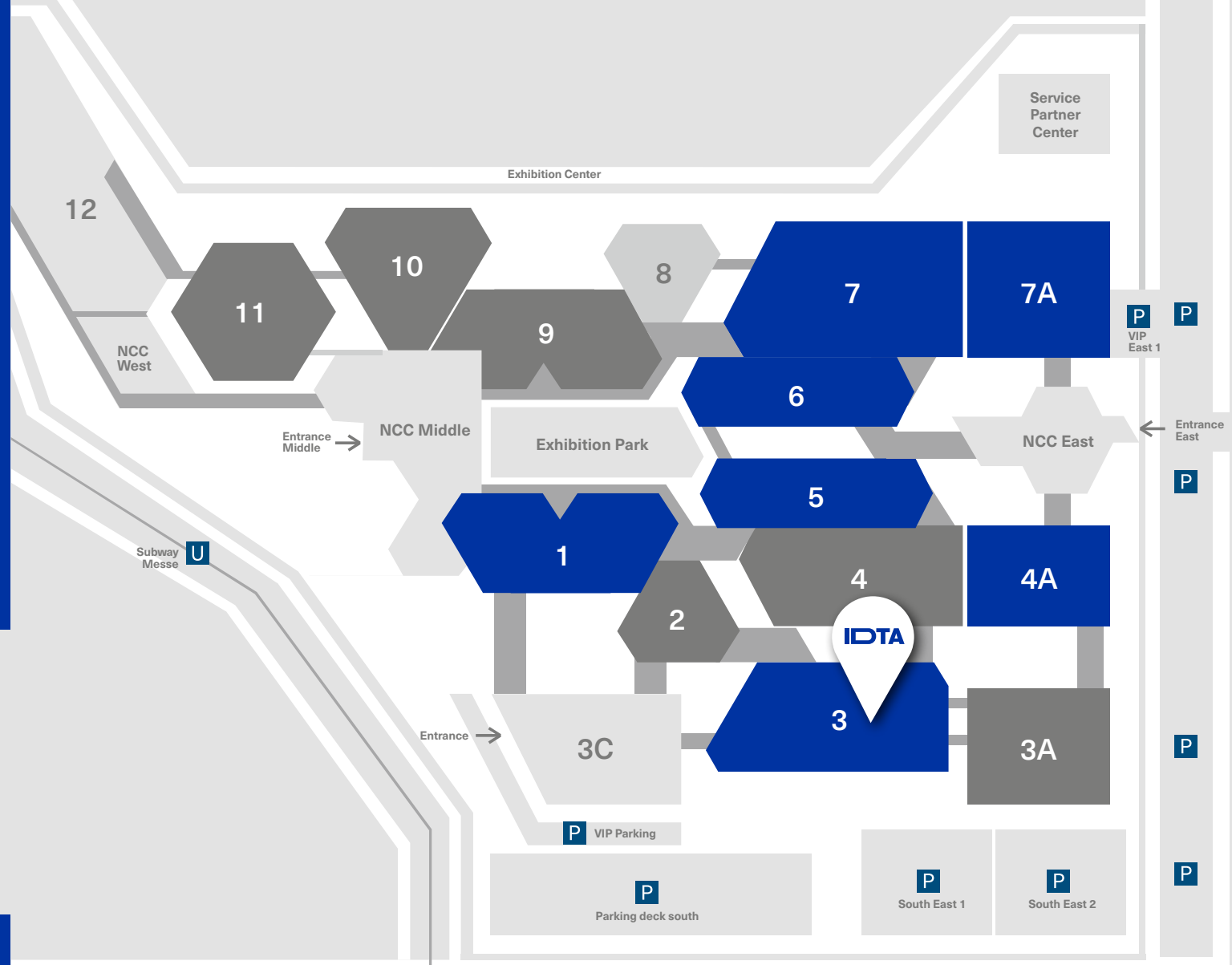


The Asset Administration Shell (AAS) in action



SPS 2021 Guide AAS exhibits



Industrial Digital Twin Association e. V.

Lyoner Straße 18,
60528 Frankfurt am Main, Germany

Phone: +49 69 6603 1939
E-mail: info@idtw.in.org
Web: www.idtw.in.org

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

AAS exhibits



Demo Box for the Asset Administration Shell (AAS)

The concept of the AAS presented as a tangible and interoperable implementation of the digital twin for Industry 4.0 will be demonstrated.

Hall 3
Booth 355



Drives 4.0 demonstrator

The Drives 4.0 demonstrator shows the interaction of drives and their Asset Administration Shells. It also boosts the further development of industry-specific sub-models.

Hall 3
Booth 355



Linked Asset Administration Shell

In a virtual testbed, individual solutions of the administration shell are brought together and the cooperation of the administration shells is analysed, evaluated and requirements for the specification are derived.

Hall 3
Booth 550



IIoT Solutions for Integrated Servo Motors

Dunkermotoren will present an IIoT showcase, in which a cloud-based dashboard displays the device and live data from a BG 95 dPro PN.

Hall 1
Booth 438



Asset Onboarding and Asset Condition Monitoring

With a focus on asset onboarding and asset condition monitoring, Endress+Hauser demonstrates the integration of sensors from different manufacturers to its Netilion Cloud Platform.

Hall 4A
Booth 135



WITTENSTEIN Service Portal

The WITTENSTEIN Service Portal supports technicians, commissioning engineers, maintenance and service engineers during the entire life cycle of their product. With the AAS, the portal builds the bridge to smart products and digital services in the IIoT environment.

Hall 4
Booth 221



OI4 AAS Dashboard

The dashboard represents all OI4-compliant devices using the AAS in a WebApp. It demonstrates how OI4 devices in an operator cloud can communicate their status in an operator cloud.

Hall 5
Booth 137



Carbon Reporting Demonstrator

The demonstrator shows how emissions data generated during production can be collected and made available via open, standardised interfaces.

Hall 5
Booth 140



AAS in the OI4 Reference Architecture

The exhibit consists of a workstation with a collaborative robot from modular electronics manufacturing. The test station is connected to other workstations via the AAS.

Hall 5
Booth 130



BaSys-BDE AAS

Within the framework of the BaSys-4.2 project, the consortium in which iba AG participates has investigated and refined the basic approaches to the architecture and design of the Asset Administration Shell.

Hall 6
Booth 210



With OI4 Alliance from Edge to Digital Twin

M&M Software shows an end-to-end Open Industry 4.0 Alliance demonstration. Based on the Open Edge Connectivity layer, assets are represented in the Open Operator Cloud by an AAS.

Hall 6
Booth 250



Digital Nameplate

By scanning a 2D Data-Matrix-Code (QR-Tag) on a type plate according to DIN SPEC 91406, direct access to the Digital Twin (the instance Asset Administration Shell) of a product is provided.

Hall 7
Booth 170



INspares App

The INspares software uses data from R. STAHL and serves as a proof of concept for the implementation of manufacturer data (Asset Administration Shell) in manufacturer-independent software solutions.

Hall 7
Booth 170



Asset Management with the Digital Twin

Simple and efficient access to all asset information ensures reduced downtimes through rapid troubleshooting. With existing standards for asset instance data, Lenze is taking the first steps towards the digital twin.

Hall 7
Booth 391/396

Hall 7
Booth 391/396



Multi Vendor Condition Monitoring

A multi-vendor use case in the food and beverage sector: The AAS infrastructure enables an open exchange for layer-independent interoperability on a technical and semantic level.

Hall 7A
Booth 302



AAS POWERED BY OI4

Hall 5
Booth 160