

# Event Guide

Hannover Messe 2022

PLATTFORM  
**INDUSTRIE 4.0**

... and publications as well as exhibits at the joint booth in Hall 8, Booth D24



Time	Event	Contributors	Place
10:00-13:00	15th German-Japanese Economic Forum: Mission Net Zero: How will the German and Japanese industries succeed in the transformation?	ECOS Consult GmbH AHK Japan	Energy 4.0 Conference Stage (Hall 12, Booth D45)
10:15-10:35	Asset Administration Shell Based Digital Twins for Products and Production Plants	Fraunhofer IOSB	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
10:35-10:55	The Asset Administration Shell as shared Digital Twin	Arena 2036	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
10:55-11:15	Target vision for multilateral data sharing based on 'Collaborative Condition Monitoring'	Robert Bosch GmbH	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
11:15-11:35	IIoT Value Chain Security - Chain of Trust for Organizations and Products	Plattform Industrie 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
12:00-12:45	Opening of the Industrie 4.0 Conference Stage	Plattform Industrie 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
13:00-13:50	Industry-ready DPP concept based on 'DNP4.0' and 'AAS'	ZVEI	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
13:50-14:25	Green skills: Understanding and commitment to sustainability by all employees	Plattform Industrie 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
15:00-16:00	Keynote & panel discussion: The future of Industrie 4.0	acatech, BMBF, DFKI, Fraunhofer IESE, LINK	Tech Transfer Conference Stage (Hall 2, Booth A60)
15:30-15:50	Catena-X - The First Data Driven Value Chain for the Automotive Industry	SAP SE	Bundesministerium für Wirtschaft und Klimaschutz (BMWK) (Hall 2, Booth C34)
16:00-17:00	More climate protection through electrification and digitalization	ZVEI	HANNOVER MESSE Main Stage (Hall 18, H'Up)



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9:30-12:00	Leaders' Dialogue „Beyond Crisis – With new forms of collaboration towards a digitalized, resilient and sustainable industry“ <ul style="list-style-type: none"> <li>▶ 9:30-10:10: Supply chains in crisis: How can digitalization ensure business continuity?</li> <li>▶ 10:10-11:00: Fit for industrial sustainability: How can Europe pick up the pace and become a global leader?</li> <li>▶ 11:00-12:00: Sharing data: How ready is the European industry?</li> </ul>	Plattform Industrie 4.0	HANNOVER MESSE Main Stage (Hall 18, H'Up)
13:00-13:50	Working Group leaders meeting	Plattform Industrie 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
13:00-13:45	The path to resource-efficient and CO2-neutral, digitalized production	FME, Smart Industry, VDMA	HHT Haus (Hall 8, Booth D34)
13:50-14:40	Smart Skills for Smart Industry	Smart Industry, HHT, Festo, VDMA	HHT Haus (Hall 8, Booth D34)



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14:00-14:20	Digitalization of the vehicle manufacturers and supplier industry - A funding program of the BMWK	VDI Technologiezentrum GmbH	Bundesministerium für Wirtschaft und Klimaschutz (BMWK) (Hall 2, Booth C34)
14:45-15:15	Guided Tour Smart Factory	Smart Industry, HHT	HHT Haus (Hall 8, Booth D34)
14:50-15:10	News from the Asset Administration Shell of Industrie 4.0	Festo SE & Co. KG	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
15:15-17:00	Charging infrastructure, smart charging and V2G	ELaadnl, NPM	HHT Haus (Hall 8, Booth D34)
17:00-17:30	The 12% Challenge (inkl. book launch by Peter van Harten)	Smart Factory KL, Smart Industry, HHT	HHT Haus (Hall 8, Booth D34)



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09:15-09:50	With the Asset Administration Shell and digital applications on the way to the product carbon footprint	Plattform Industrie 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
10:10-10:30	Interoperable Digital Twins in Supply Chains – A Game Changer	Robert Bosch GmbH	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
10:30-10:50	The Digital Product Passport – Digital and Sustainable	SCI 4.0	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
13:00-13:50	Multilateral sharing of data - approaches and applications	Plattform Industrie 4.0, IDTA, Catena-X, eco	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
14:00-14:20	VWS4LS: Implementation of the Asset Administration Shell as an interoperable digital twin for the development, production and assembly of the wiring harness in the automobile	Arena2036 e.V.	Bundesministerium für Wirtschaft und Klimaschutz (BMWK) (Hall 2, Booth C34)
14:50-15:25	Looking beyond 4.0	European Commission, DG RTD, TNO, Schneider Electric	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
17:10-17:50	Digital Twin - The Asset Admin Shell becomes World Standard	IDTA	Industrie 4.0 Conference Stage (Hall 8, Booth D17)



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11:40-12:00	An approach to realize a simulation element in the Asset Administration Shell	Bosch Rexroth AG	Industrie 4.0 Conference Stage (Hall 8, Booth D17)
12:00-13:00	Security of supply in the field of tension between European sovereignty and globalisation	VDMA, ZVEI	HANNOVER MESSE Main Stage (Hall 18, H'Up)
15:00- 16:00	Value Generation from Machine Data – How does monetization succeed?	VDMA, ZVEI	HANNOVER MESSE Main Stage (Hall 18, H'Up)

## Exhibits in Hall 8, Booth D24

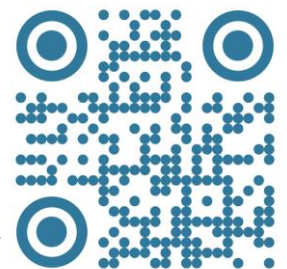
Joint booth of Plattform Industrie 4.0 with Labs Network Industrie 4.0 (LNI 4.0), Standardization Council Industrie 4.0 (SCI 4.0), Industrial Digital Twin Association (IDTA e.V.), Gaia-X, Catena-X und VWS4LS

- ▶ **Demonstrator for energy monitoring using standardized and scalable Asset Administration Shells (AAS) (IDTA, Siemens, VW & Partner):** The demonstrator shows how digital twins can use AAS to record live energy data from a consumer (motor).
- ▶ **AAS Service Order Creation (IDTA, VDMA):** The demonstrator presents how standardized service tickets based on the operating data of the components in the production cell can be generated from an error message by using the AAS.
- ▶ **Demonstrator Asset Administration Shell networked (Otto-von-Guericke-University of Magdeburg):** The demonstrator shows how smart factories and machines can become part of future digital I4.0 ecosystems with the help of AAS.
- ▶ **Viewer US-German demonstrator on interoperability and use case Carbon Reporting (Platform I4.0, CESMII & Partner):** The viewer displays the monitoring results of the demonstrator (main presentation in Hall 8, Booth F07, OPC Foundation). The emission data from assets are digitally combined during a production process and made available via open and boot-hard interfaces across platforms, companies and countries.
- ▶ **Joint Asset Administration Shell demonstrator with Korea (LNI 4.0):** A product – in this case a ballpoint pen – independently writes out its next production step via its Asset Administration Shell. LNI 4.0, KOSMO, the Nestfield company from Korea and the Mittelstand-Digital Zentrum Hannover demonstrate how this works.



Experience the topics of sustainability, data spaces and the Asset Administration Shell live!

Find more best practices on site in IDTA's AAS Guide



## Current publications

of Plattform Industrie 4.0 & the Research Council (acatech)

- ▶ Progress Report 2022 – Shaping Industrie 4.0. Resilient, sustainable, competitive. *(in German only)* | Plattform Industrie 4.0
- ▶ Asset Administration Shell - Reading Guide - Current guide to Asset Administration Shell publications | Plattform Industrie 4.0
- ▶ Blind spots in the implementation of Industrie 4.0 *(in German only)* | acatech
- ▶ Details of the Asset Administration Shell - Part 1 The exchange of information between partners in the value chain of Industrie 4.0 (Version 3.0RC02) – New release | Plattform Industrie 4.0
- ▶ IIoT Value Chain Security - Chain of Trust for Organizations and Products | Whitepaper | Plattform Industrie 4.0
- ▶ Multilateral data sharing in industry - target image using the example of collaborative condition monitoring as the basis for new business models *(in German only)* | Plattform Industrie 4.0
- ▶ Open Source as an innovation driver for Industrie 4.0 *(in German only)* | acatech
- ▶ Resilience in the context of Industrie 4.0 *(in German only)* | Plattform Industrie 4.0

**Note: The publications can be accessed from the beginning of Hanover Fair 2022 via the respective links.**