



The Open Industry Alliance 4.0 takes the lead at the SPS

Members of the Alliance set to present solutions as part of their open interoperability framework at SPS

- **The Open Industry 4.0 Alliance shows first interoperable solutions at SPS; members have now committed themselves with over 125 components and services in the alliance**
- **Plant operators will meet Alliance experts at the joint stand in Hall 5/160 and start their concrete project discussions with component manufacturers and service providers**
- **Manufacturers of machines, components, software and service providers are invited to become members of the alliance and give transformation projects a decisive boost**

Reinach/SPS Nuremberg, November 14, 2019 - Following its formation in spring 2019 at the Hanover Fair, the Open Industry 4.0 Alliance will now be represented at the SPS event in Nuremberg – the largest international trade fair for electrical automation technology – from November 26 to 28, 2019 (joint stand in Hall 5/160). In a networked presentation concept, operators and manufacturers can experience the theory behind, and in practice, how everyone benefits equally from the Open Industry 4.0 Alliance. The solution components operate within a common, open ecosystem, which is holistically based and end-to-end compatible thanks to the interoperability framework offered by the Open Industry 4.0 Alliance.

"The response we have received from the industry has been excellent in the last six months since the Hanover Fair. During this time, the alliance has grown from 13 to 43 members," says Nils Herzberg, Chairman of the Board of the Open Industry 4.0 Alliance and Global Head Strategic Partnerships for Digital Supply Chain and Industry 4.0 at SAP. "In the beginning there was the concept, but now we have proven it how it works in reality with our first architectures."

"By using a multi-vendor wall, we show how to solve a typical problem that could be found in a heterogeneous industrial plant. Devices from eleven suppliers with different communication standards and different data semantics will be lifted onto a common platform," explains Hans-Jürgen Hilscher, CEO and Chief Technology Officer of the Open Industry 4.0 Alliance and Managing Director of the Hilscher Gesellschaft für Systemautomation. "In the exemplary installation, the sensors and actuators – for example, used for flow, vibration and position measurement and a motion controller - from nine different members are used. They send their data to an edge computing platform and the apps running on it. Using the associated device description files, they generate telemetry and metadata in standardized OPC UA format and publish them on a common MQTT message bus. The 'Streamsheets' app, for example, uses this to retrieve information and evaluates it at runtime. At the same time, the data is forwarded and the user now has a complete overview through a common dashboard in the operator cloud."

The master asset data of all devices is reported from the Cloud Central to SAP's Asset Intelligence Network application to orchestrate all data. Pilot projects and live demos can also be seen at the respective member booths.

The supreme discipline of digital transformation

Digital transformation requires one language for all. The Open Industry 4.0 Alliance aims to enable up to 80 percent of the machines in a smart factory to communicate with each other. The technological

basis of the Open Industry 4.0 Alliance is an open architecture based on RAMI 4.0, which is based on the four building blocks Device Connectivity, Edge, Operator Cloud and Cloud Central as well as an associated range of services. One of the most important features of the Open Industry 4.0 Alliance is Asset Automatic Onboarding through all four architecture layers using open standard interfaces built upon on Industry 4.0 Management Shell.

In comparison to existing initiatives on the market, the open and solution-oriented organizational form of the Open Industry 4.0 Alliance is a distinguishing feature. On the one hand, every member joining the network has equal rights ("open"). On the other hand, each partner undertakes to contribute its technical core competencies in such a way that the operator/end customer can always be provided with an established, reliable and scalable overall solution ("one"). This is based on the integrated interoperability framework of the Open Industry 4.0 Alliance, which is coordinated amongst its members. The Alliance already has over 125 products and services that are transformed by its members according to the Open Industry 4.0 Alliance guidelines.

Arrange interviews

For the coordination of interviews with Nils Herzberg please contact Karl H. Mayer of Berkeley Kommunikation. The central point of contact at the SPS in Nuremberg for all interested parties of the Open Industry 4.0 Alliance is booth 160 in hall 5.

Alphabetical list of current members:

3DSignals, ARVOS Gruppe Schmidtsche Schack, AS Schneider, Aucotec, awinia, Balluff, Beckhoff Automation, Captron Electronic, CAXperts, Cedalo, Diva-e, Dunkermotoren, Endress+Hauser, Fujitsu Technology Solutions, Gebhardt Fördertechnik, German Edge Cloud, Hengstler Fortive Gruppe, Hensoldt-Cyber, Hilscher Gesellschaft für Systemautomation, HubHead, ifm electronic, itelligence, IT-Informatik, J.M. Voith, Kaeser Kompressoren, Komax, Kuka, MachIQ Software Services, Multivac Sepp Haggenmüller, NEXAloT, Pepperl + Fuchs, Q-loud, QSC, Samson, SAP, Schindler & Wagner, Schunk, Sick, SMC Deutschland, Software AG, Trebing & Himstedt Prozessautomation, Weber Maschinenbau, WIKA Alexander Wiegand.

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About the Open Industry 4.0 Alliance

The Open Industry 4.0 Alliance acts as a partnership of leading European industrial companies that pragmatically participate in the implementation of cross-vendor industry 4.0 solutions and services for manufacturing facilities and automated warehouses. The alliance was launched in April 2019. The association is headquartered in Reinach, Switzerland.

Further information can be found at <https://www.openindustry4.com/>