

Shaping the digital future

Industry 4.0: Assystem Technologies joins forces with customers and partners to develop a new DIN SPEC for standardised communication

Munich, April 17th, 2018 – Continuous innovation and data-driven business models in Industry 4.0 create new communication requirements between machines (machine to x) and IT infrastructure. To ensure interoperability and communication, Assystem Technologies has initiated a one-of-a-kind standardisation project, providing a “Reference Model for Industrial Cloud Federation”.

Under the leadership of DIN, partners from industry and research institutes have developed the future DIN SPEC 92222. Along with Assystem Technologies, the project partners include Bitkom, Cedalo AG, DKE, Fraunhofer IGCV, Fraunhofer IPA, Fraunhofer IOSB, GE, Hitachi, IBM Deutschland, KUKA, Microsoft Corporation, Microsoft Deutschland, PHOENIX CONTACT, Robert Bosch, Schaeffler, VDMA, and WITTENSTEIN SE.

Business success is increasingly dependent on companies’ IT infrastructure integrating information and data from third-party systems or machines. Assystem Technologies, together with customers and partners has recognised this challenge and consequently initiated the development of a new DIN SPEC.

The project covers machine cloud-based communication (or edge components) across all machines within a manufacturing company as well as to other third-party cloud systems. It aims to ensure streamlined communication between IT subsystems and physical devices. This new standard will notably benefit machine and plant operators and manufacturers and especially those that offer and use cloud-based services and systems, as well as providers of remote services.

Concrete use cases are the starting point to define solution patterns. These are then tested with real hardware to support the development of the standard. In cooperation with the Cloud2Cloud testbed of the Labs Network Industrie 4.0 (LNI 4.0), it is additionally validated in practice through real-life experience of smaller and medium-sized companies.

The success of an idea often depends on how quickly it is distributed in the market. DIN SPEC offers an agile, fast-tracked way to set industry standards. With smaller agile working groups it makes it possible to develop a DIN SPEC within a few months, and the well-recognised DIN brand ensures a higher level of acceptance among customers and partners. DIN also ensures that the DIN SPEC does not conflict with existing norms and publishes the standards internationally. A DIN SPEC can be the basis for a DIN norm.

Development began in March 2018 and the standard should be completed by the end of 2018.

About Assystem Germany:

With 1,100 employees across 13 locations in Germany, Assystem Germany offers advanced engineering and product solutions in the automotive, aerospace, industry and transportation sectors. Assystem Germany is part of Assystem Technologies.

For more information, visit www.assystem-germany.com and www.assystem-germany.com/industry

About Assystem Technologies:

Assystem Technologies is a global player in engineering services, quality assurance, and consulting for clients operating in the aerospace, automotive, defense, financial services, industry, and transportation sectors. With c. 14,000 employees in 25 countries, Assystem Technologies has cutting-edge technical know-how and proven expertise in complex and critical systems. In 2017, Assystem Technologies achieved a turnover of around one billion euros. For more information, visit www.assystemtechnologies.com

About DIN:

DIN, the German Institute for Standardization, is the independent platform for standardization in Germany and worldwide. As a partner for industry, research and society as a whole, DIN plays a major role in paving the way for innovations to reach the market and advancing progress in innovative areas such as Industry 4.0 and Smart Cities. More than 33,500 experts from industry, research, consumer protection and the public sector bring their expertise to work on standardization projects managed by DIN. The results of these efforts are market-oriented standards and specifications that promote global trade, encouraging rationalization, quality assurance and environmental protection as well as improving security and communication.

For more information, visit www.din.com