

Press release by MPDV

MPDV's MES experts invited to IIC panel discussion on IIoT

Discussions on IIoT standards with IIC and Platform Industrie 4.0

Mosbach/Chicago, 13.03.2018 – The MES Experts of MPDV USA Inc. showed top business performance in 2017. This is also reflected in a continuous growth in employees. In order to participate in shaping the future, the CSO of MPDV USA Inc. discussed IIoT standards with other experts during the IIC IIoT World Tour Event in San Francisco, CA.

2017 was a great year for MPDV. A significant growth in revenue and several new employees to fortify the team of MES Experts show, that MPDV has proven its competence and strengthens its market position in the US. MPDV USA acquires local customer as well as international projects. A broad range of upcoming projects and promising prospects ensure a very positive future for MPDV USA.

Shaping the future of IIoT

MPDV as a global player prides itself on being MES experts and shaping the future of MES. In December 2017, Stefan Loelkes, PhD, CSO of MPDV USA participated in an expert panel on "Standards and Architecture in IIoT", organized by the Industrial Internet Consortium (IIC). Here, IIC from the US and Platform Industrie 4.0 from Germany were consolidating their reference architectures IIRA and RAMI4.0 to come to a globally accepted reference architecture. In the panel discussion Loelkes talked with several other experts about the current level in global standardization for IIoT. All participants saw a clear need to establish globally valid standards. In an IIoT environment more and more systems and devices are communicating and it will become even more urgent to avoid interface ruptures by issuing globally valid standards.

During the panel discussion on standards and architecture, it became clear, that global standards are still lacking. In particular, a semantic information model is contained in neither of the two reference architectures, IIRA (IIC) and RAMI 4.0 (Platform Industrie 4.0). However, such models are very important for the future production life. The Manufacturing Integration Platform (MIP) proposed by MPDV offers a suitable solution for this. The MIP will host the digital twin of production and it will offer Manufacturing Apps (mApps) to allow interaction across manufacturers. This allows users to benefit from the needs-based functions of any mApps.

More Information about MIP: <http://mpdv.info/pmiicmipus>

(ca. 2,400 characters)

Pictures



Stefan Lölkes (second from the right), PhD, CSO of MPDV USA Inc., at the panel discussion during the IIoT World Tour

Keywords

MPDV, USA, Plattform Industrie 4.0, Industrial Internet Consortium (IIC), standards, RAMI 4.0, IIRA, Manufacturing Integration Platform (MIP), digital twin, Industrial Internet of Things (IIoT)

Further information:

MPDV Mikrolab GmbH (www.mpdv.com) headquartered in Mosbach/Germany is developing Manufacturing Execution Systems (MES) and is looking back on over 40 years project experience in the production environment. MPDV's product portfolio comprises of MES products, services for the MES environment and entire MES solutions. MPDV currently employs 380 people across ten sites in Germany, Switzerland, Singapore, China, and the US. Customers from different industry sectors, ranging from metal processing to medical engineering, benefit from more than 1.000 installations of MPDV's MES solutions. These include medium-sized companies to global enterprises. Being part of the TOP 100 businesses MPDV is one of the most innovative med-sized companies in Germany.

Manufacturing Execution Systems (MES) support production companies to improve efficiencies in their production processes, increase productivity and thus to secure or enhance their ability to compete. A state-of-the-art MES puts companies in the position to record and evaluate data along the complete value chain in real-time. People in charge can therefore react instantly to unforeseen events in the daily production routine and put in suitable measures. MES supports on all levels of a manufacturing company short-term as well as far-reaching decisions by providing a reliable data basis.

HYDRA, the modular structured MES by MPDV, features an extensive functional range and meets all requirements stated in the ISA95 and the VDI guideline 5600. Individual HYDRA applications based on a central MES database can be combined without the use of interfaces. Thus, HYDRA guarantees a 360-degree view on all resources in production and can incorporate overlapping processes. Powerful tools for configuration and customization ensure that HYDRA can be modified in order to cater for company and industry specific requirements. HYDRA can be integrated into existing IT landscapes and is used as a link between production (shop floor) and the management level (e.g. ERP system). Production companies are particularly reactive using an MES system like HYDRA and therefore remain competitive - especially looking at Industry 4.0.

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