

Press release MPDV

Product availability of the Manufacturing Integration Platform

MPDV introduces the first ambassador of production IT 4.0 to the market

Mosbach, 11.07.2018 – The market for production IT is constantly on the move and Industry 4.0 demands for more flexibility than many systems can provide today. That is why MPDV introduces the first ambassador for production IT 4.0 to the market. As of this week, MIP is available on the market.

Today's powerful MES solutions provide out-of-the-box applications to increase transparency and efficiencies in production. MIP on the other hand offers a platform to flexibly combine and integrate applications (so-called mApps) from different suppliers - in the spirit of do-it-yourself. The MIP provides with an open semantic information model and many helpful basic services, the ideal environment for the Digital Twin of production and thus supplies the foundation of a sustainable production IT. MPDV is currently in discussion with partners to put down the groundwork for an ecosystem in cooperation with system integrators, software providers and users.

Easy access to the world of MIP

MPDV also offers a Software Development Kit (SDK) to provide a springboard into the MIP. This enables programmers to extend their own development environment with valuable tools in order to develop mApps for MIP and in using the existing services of the platform. Therefore, MIP SDK offers, apart from an extensive documentation and tutorials, also example applications, a service tester and a repository client. In combination with MIP, applications for own use or as a product for other companies can be implemented in this way.

MIP and MIP SDK are available since beginning of July. Further information for MIP in <http://mpdv.info/pmmipvfben>

(approx. 2,000 characters)

Images



Available since the beginning of July 2018, Manufacturing Integration Platform (MIP) and MIP SDK by MPDV

Keywords

MPDV, Manufacturing Integration Platform (MIP), product availability, Software Development Kit (SDK), ecosystem, App developer, system integrators, manufacturing Apps (mApps)

Further information

MPDV Mikrolab GmbH (www.mpdv.com), headquartered in Mosbach, Germany, develops innovative production IT and reverts to over 40 years of project experience in the production environment. MPDV offers products and services for the Manufacturing Execution Systems (MES) environment and complete MES solutions. MPDV also supplies the Manufacturing Integration Platform (MIP) is the first ambassador of the next generation of manufacturing IT. MPDV currently employs more than 380 people at ten sites in Germany, Switzerland, France, Singapore, China and the USA. Users from different industrial sectors - from metal processing to the plastics industry to medical technology - already benefit from more than 1,000 installations of MPDV's award-winning MES solutions. Amongst the users are medium sized production companies and also internationally operating groups. As a TOP 100 business, MPDV is one of the most innovative medium-sized companies in Germany.

Manufacturing Execution Systems (MES) support companies to make their production processes more efficient and increase productivity and therefore, to safeguard the company's competitiveness. A state-of-the-art MES enables companies to capture, analyze, and display real-time data along the entire value chain. The responsible employees can react to unplanned events in the short term and start appropriate countermeasures in the production routine. An MES supports on all levels, both in short term and also far-reaching decisions by providing a reliable database.

HYDRA, the modular MES by MPDV, fully covers the requirements of the VDI guideline 5600 with its extensive functional spectrum. Individual HYDRA applications can be combined on a central MES database in line with requirements and without interfaces. Thus, HYDRA ensures a 360-degree view of all the resources involved in production and can also seamlessly map overlapping processes. Powerful tools for configuration and customizing ensure that HYDRA can be modified to meet specific requirements for certain industries and companies. HYDRA integrates into existing IT landscapes and serves as a link between the production (shop floor) and the management level (eg ERP system). With an MES system like HYDRA, manufacturing companies remain responsive and thus secure their competitiveness - also with a view to Industry 4.0.

The Manufacturing Integration Platform (MIP) is a flexible basis for innovative, customizable solutions for the production IT. At its core, it offers the Digital Twin of production a suitable environment. If you combine MIP with independent manufacturing Apps, then you have a customized and needs-based solution for the production management.

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