MES as a core element in IIoT applications

"IIoT powered by iTAC.MES.Suite *dockerized*" at productronica

Montabaur, September 29, 2017 – Manufacturing execution systems are the mainstay of digitalization in the manufacturing sector. In conjunction with the innovative services provided by IoT platforms, they are the bridge for applications that link the real and virtual world of manufacturing. MES manufacturer iTAC Software AG (www.itacsoftware.de) is setting new standards in this field with its platform-independent iTAC.MES.Suite *dockerized*. It will be showcasing its IoT-capable MES and IIoT solutions at productronica (stand 140 in hall A3) from 14 to 17 November 2017.

How can equipment and machines be seamlessly networked? How do self-optimizing production processes work? And what benefits do they provide to manufacturing enterprises? iTAC will be answering these questions with its smart MES and IIoT software solutions.

iTAC is presenting its iTAC.MES.Suite 9.00.00 with numerous new functions at productronica. The new release features the smart data analytics integration service, ITAC.SDA.Service, and the higher-level integrated analytics platform, Apache Spark. The new IIoT portal enables the visualization of process data from the analytics platform in combination with the MES master and transaction data, and it is also possible to further optimize the overall equipment effectiveness (OEE) of production equipment.

iTAC.MES.Suite *dockerized* – the platform-independent, cloud-capable version of iTAC.MES.Suite 9.00.00 – has a service-oriented architecture, is based on Docker's container technology and is available on leading IoT platforms such as Microsoft Azure, AWS and IBM Bluemix. The MES services provided by iTAC.MES.Suite *dockerized*, such as quality analyses, automatic material feed control and simultaneous multi-resource planning, can be used in the public cloud, on premises or as an edge device solution. iTAC was recently named "Leader for Industry 4.0 Platforms" for the

second year in succession for this innovative technology by ISG provider Lens.

Platform-independent MES for ADAMOS

iTAC will also be providing insights into pioneering digitalization initiatives and projects at the fair. One of these is ADAMOS (ADAptive Manufacturing Open Solutions) an IIoT platform for machinery and plant engineering. The joint venture was founded by Dürr, Software AG, DMG, MORI, ZEISS and ASM PT in September 2017. The iTAC experts also have the latest news on IoT developments, the PoCs of the SEF Smart Electronic Factory and other consortia.

productronica visitors can find iTAC at stand 140 in hall A3.

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