PRESS RELEASE

Intelligent Manufacturing Execution System (MES) interacting with IIoT platforms proves itself in the automotive industry 4.0

iTAC: MES meets IIoT in the Automotive sector

Montabaur, 27 June 2018 – iTAC Software AG (www.itacsoftware.com) supplies a core element for digitalizing value creation processes with its industry 4.0 capable Manufacturing Execution System (MES). The iTAC.MES.Suite can be interlocked and integrated with other existing co-operating systems. The MES can also be used in combination with the leading IIoT platforms. The results are innovative application scenarios such as predictive maintenance and analytics models for sectors like the automotive industry, which depend on automated, transparent and efficient manufacturing processes in order to remain competitive.

Car manufacturers and suppliers are under high competitive pressure and must fulfill ever-increasing demands. High innovation speed, growing demand for diversity of individual components in vehicles and high compliance requirements from the OEMs set the pace. Full transparency, safety and efficiency as well as increasing levels of automation are vital.

The iTAC.MES.Suite contributes to networking, automation and analyses of production processes. Interacting with the IIoT platforms from leading suppliers such as ADAMOS, Microsoft Azure, AWS, IBM Bluemix etc. complete data analytics and predictive maintenance scenarios can be created. Using corresponding analytics models, useful information and measures for production can be gathered.
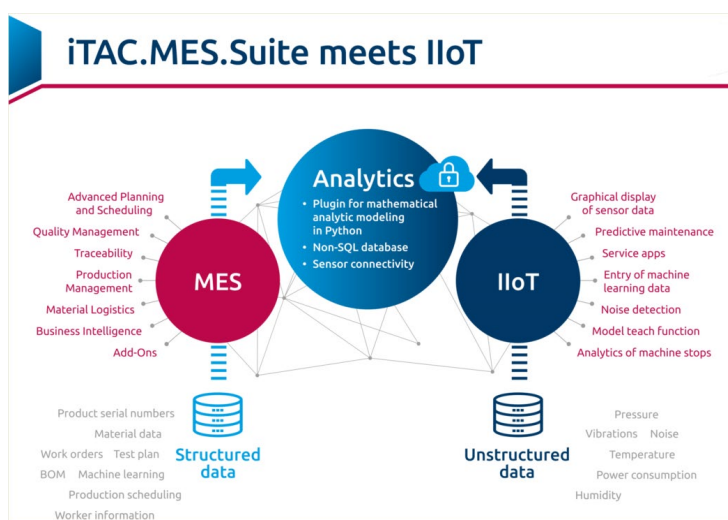
Uniting useful structured and unstructured data

The basic version of the MES includes functionalities such as production planning (APS), production management, quality management, materials and logistics, traceability, business intelligence and add-on services. The iTAC.MES.Suite supplies so-called structured data from the MES data room (order data, material data, serial numbers etc.). The MES also guarantees continual flow of information to ensure transparency and evaluation of production processes based on standardized and customer-specific KPIs.

Combined with the IIoT platforms, which save so-called unstructured data as sensor data (e.g. vibration, temperature etc.), intelligent complete solutions can be realized. Together with the analytics function from iTAC it is possible to create individual use cases for specific requirements within the automotive industry and other sectors.

"Car manufacturers today are required to bring their new developments onto the market as quickly as possible – and in the best quality. Industry 4.0 technologies like our MES together with IIoT solutions support manufacturers to achieve their targets," explains Peter Bollinger, CEO of iTAC Software AG.

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iTAC.MES.Suite integrated with IIoT platforms

About iTAC Software AG

iTAC Software AG, an independent company of the mechanical and plant engineering group Dürr, provides Internet-enabled information and communication technologies for the manufacturing industry. Founded in 1998, the company is one of the leading MES providers in Germany. The iTAC.MES.Suite is a cloud-based Manufacturing Execution System that is used worldwide by companies in different industry sectors such as automotive manufacturers and suppliers, electronics/EMS/TC, medical technology, metal processing and energy. Additional services and solutions enable the implementation of industry 4.0 and IIoT requirements. ITAC's philosophy is connecting people, data and systems. iTAC Software AG has its headquarters in Montabaur (Germany) as well as a branch in the USA and a global partner network for sales and services.

The Dürr Group is one of the world's leading mechanical and plant engineering firms. Products, systems and services offered by Dürr enable highly efficient manufacturing processes in different industries. Business with automobile manufacturers and their suppliers accounts for approximately 60% of Dürr's sales. Other market segments include, for example, the mechanical engineering, chemical and pharmaceutical industries and the woodworking industry.

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