The networked factory in view and under control:
Monitoring, controlling and optimizing complex processes

iTAC shows MES and IIoT solutions for transparency and control at Hannover Messe

Montabaur, March 13, 2019 – iTAC Software AG (www.itacsoftware.com) will be presenting new solutions for transparent, automated production at this year's Hannover Messe from April 1st to 5th. The MES specialist will be represented at the booth of the Dürr Group (A34, Hall 7). Comprehensive MES and IIoT solutions which intermesh meaningfully will be showcased at the trade fair.

The motto of this year's trade fair presence is "Transparency & Control for your production – MES & IIoT solutions based on Dürr Group Know-How". For this purpose, the automatization and digitalization competences within the group are being merged: Dürr as a machine and plant manufacturer, iTAC as a global MES vendor, DUALIS as a specialist for detailed production planning and LOXEO as a digital marketplace as well as ADAMOS as an IoT platform provider. Together they will showcase combined solutions in the areas of IIoT, AGV, Analytics, Planning, MES, APS and Assembly.

iTAC specializes in intelligent MES solutions for networking, automation and analysis of production processes. Their core is the Manufacturing Execution System iTAC.MES.Suite which has been established on the market for many years and is continuously being further developed in line with the latest market requirements.

At the trade fair iTAC will also be presenting an intelligent solution for production logistics 4.0, which supports automatic replenishment control with driverless transport systems in SMT production. The process ranges from the Material Pull System (MPS) and Auto Storage (AS) to the Automated Guided Vehicle (AGV). The advantages include among others: Relief for the personnel, constant control over the material and no more necessity for buffer stock.

Product innovations of the iTAC.MES.Suite

Visitors will also learn about all recent technological innovations of the iTAC.MES.Suite, such as the conversion of the front-end technology. In line with the market trend, iTAC.MES.Suite applications are now being offered as modern HTML5 clients. These new HTML5 applications are based on open web standards and can be used without any additional plug-ins. The applications of the iTAC.MES.Suite are combined in a uniform framework (iTAC.Workbench) and offer intelligent functionalities for operating, monitoring and parametrizing.

Additionally, new extended functions of SPC communication via OPC UA and Kafka are available from now on. The Kafka broker actively distributes messages from the MES and/or the client systems. With the upcoming release 9.20.00, the ActiveMQ broker will be optionally supported in addition to this broker. An essential task in the integration of iTAC.MES.Suite and PLC-based systems is to update data promptly in both worlds (MES or machine/client). The OPC UA service has been extended by an additional trigger mechanism so that active notification from the MES to the PLC can take place. As soon as a new order is received, it will be actively sent by the MES to the broker and automatically received by the client.

With these and other functionalities, iTAC is increasingly focusing on platform independence, flexibility, mobile capability, usability and simple distribution. The features of the iTAC.MES.Suite along with its benefits will be showcased at the trade fair in various live demonstrations and will be presented in various Use Cases.

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*i**TAC presents MES- and IIoT-solutions for transparency and control at Hannover Messe***

About iTAC

iTAC Software AG, an independent company of the Dürr mechanical and plant engineering group, 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 IoT 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.

Further information
iTAC Software AG
Aubachstr. 24
56410 Montabaur
Germany

Contact
Michael Fischer
Director
Product Marketing
Tel.: +49 2602 1065-217
Email: michael.fischer@itacsoftware.com
www.itacsoftware.com

PR agency
punctum pr-agentur GmbH
Neuer Zollhof 3
40221 Düsseldorf
Germany

Contact
Ulrike Peter
General Manager
Tel.: +49 211 9717977-0
Email: up@punctum-pr.de
www.punctum-pr.de