

**Higher Manufacturing Execution System availability and lower operating costs**

**iTAC launches Big Data Analytics for MES**

**Montabaur, December 9, 2016 – iTAC Software AG supports companies in improving their manufacturing performance through big data analytics with the new iTAC.BigData.Service on the iTAC MES/IoT platform. The big data analytics function is integrated in the new release version 8.51.00 of the iTAC.MES.Suite. It reduces the volume and simplifies the administration of the increasingly large volumes of data that factories store in private and public clouds. This guarantees the necessary response times for bi-directional M2M communication, increases MES availability and lowers total cost of ownership, turning big data into smart data.**

Increasing volumes of data have made big data analytics a key task in industry 4.0. In many cases the MES's master and transaction data has to be made available to globally distributed locations for multi-site analyses without affecting the productive MES infrastructures in the private cloud. This is achieved by database and application-specific replication and reorganization mechanisms. They make data-intensive analyses on a data warehouse MES database instance possible, e.g. when sourcing all the necessary information for a recall campaign, without impacting the productive MES database.

The new iTAC.BigData.Service works according to this mirroring principle. In the first phase an application-specific database replication mechanism is implemented which continuously transfers the iTAC.MES.Suite's master and transaction data to the data warehouse database instance. In this process it ensures that the productive MES infrastructure isn't affected.

The Big.Data.Service is geared to high-volume factories with an annual database volume in the terabytes region.

The next iTAC.MES.Suite major release will upgrade the iTAC.BigData.Service with an application-specific delete mechanism to



maintain the data volume balance in the productive MES infrastructure. This significantly reduces MES database infrastructure maintenance and increases availability.

“The iTAC.BigData.Service keeps private cloud MES infrastructures manageable and ensures a high level of availability. All MES data is available for big data analyses with no negative impact on the productive MES infrastructure. Not only does this enhance the MES’s performance, it also enables the conversion of big data into smart data,” explained Dieter Meuser, CTO of iTAC Software AG.

*Characters: 2.501*

#### **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 like the iTAC.IoT.Suite for the implementation of the requirements of Industry 4.0 round off the portfolio. 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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