

HEITEC AG Press Information
Nuremberg, November 26, 2019

SPS 2019, Hall 6, Booth 330

Connectivity as a key to higher productivity

HeiTPM completes the digital information and interaction chain from company management through to machine level. This solution from Erlangen-based automation specialist Heitec uses the latest SAP technologies to integrate all a company's product-related data and processes with the value chain reflected in SAP ERP, from production control to management accounting.

The new User Interface technology SAP Fiori uses the Single Source of Truth principle to improve production efficiency via organizational and technical integration with no time delays or media clashes, as has already been achieved, for example, through the use of mobile terminal. This makes it possible to determine a machine's capacity utilization without additional hardware, and increase machine availability. Depending on requirements, OnPremise solutions are also available to record process data. Data recording, processing and distribution ensure a high level of transparency in manufacturing.

This involves sending process data from running machines, and also error messages, seamlessly to the IT level, e.g. ERP, where it is analyzed and fed back to Production as planning data, process information, component requirements, or manufacturing requirements. HeiTPM makes older plant Industrie 4.0-capable by retrofitting sensor technology, connectivity, and data sharing. Differing control systems are abstracted for the HMI software so it can display them in the form of individual, intuitive apps for various activities on the machine. Because all data is recorded, pre-processed, and forwarded in real time, heads of production can plan follow-up processes and conversions more accurately and optimize their resources and material flows. This provides a framework for establishing service support systems even more rigorously than

previously. The preconditions are provided by Edge Computing – in other words, data analysis right at machine level, Machine Learning, and Cloud Computing, which ensures the information is available everywhere and at all times.

Communication via the multivendor access process OPC UA, based on Time Sensitive Networking (TSN), has proven particularly powerful and future-proof in this regard. In addition to SAP ERP, HeiTPM can also be connected to other platforms like Acron or to various Cloud solutions like MindSphere, regardless of manufacturer.

Using the HeiMAX assistance system, task lists can be worked through on a structured basis during machine and plant construction, commissioning, and acceptance, during qualification and validation, and for servicing and maintenance. In connection with HeiTPM, HeiMAX can store all information centrally, filter and analyze it, and make it available for specific functions. With the appropriate connection in place, the assistance system can access IoT Cloud applications from Eplan, SIC!, ThingWorx, and MindSphere. As a result, control panel wiring can be displayed, edited, and reviewed using a Tablet, and industrial IoT applications like data visualization can be implemented in real time, along with individually configurable dashboards, visual IoT rule editors, and Augmented Reality applications.

These solutions can be viewed at SPS 2019, from November 26 to 28, in Hall 6, Booth 330.

Caption:

Clear data lead to optimized production and management processes.



HEITEC AG company profile

HEITEC stands for industrial expertise in automation, digitalization and electronics and offers solutions, products and services. With high-tech, reliable and economical system solutions, HEITEC helps its more than 2,000 customers increase their productivity and optimize their products. More than 1,000 employees in many locations in Germany and abroad guarantee customer proximity and industry expertise. More than 60 percent of the employees are college graduates or have a technical background. HEITEC has reported growth rates far above 10 percent in recent years, doubling its revenue in five years.

www.heitec.de

HEITEC AG

Martina Greisinger
Güterbahnhofstrasse 5
91052 Erlangen, Germany
Tel: +49 (0) 9131-877-0

info@heitec.de

www.heitec.de

Press inquiries

pr-büro Roland Hensel
Warthestrasse 6
90571 Schwaig bei Nürnberg, Germany
Tel: +49 (0) 911- 54 85 196

mail@pr-hensel.de

www.pr-hensel.de