

HEITEC AG Press Release

Nuremberg, November 27, 2018

SPS IPC Drives 2018, Hall 6 / Booth 330

Heitec 4.0 is the driver for greater flexibility and better value creation in production

By systematically digitalizing its engineering methods, the automation specialist Heitec is demonstrating how planning risks can be reduced, machines and plants can be commissioned faster, and processes can be optimized during ongoing operation.

Under the heading "Heitec 4.0," Heitec has developed a solution portfolio that covers everything from digital plant and process planning to virtual commissioning as well as plant and production process monitoring. It supports the construction of a smart factory with adaptive machines and plants.

With the aid of object orientation or functional modeling, and by accessing established Heitec function block libraries, even special machines can be built extremely economically using the HeiVM digital framework. In this case, commissioning is first performed using a digital model, all the errors are corrected, and then the real plant is commissioned on site within the shortest possible time. This method significantly improves software quality and shortens throughput times for development and commissioning.

Today, the digital twin is used very effectively not just for new developments but also for retrofit projects. When supplemented with data from real production, the digital machine can also be successfully used for training purposes or for optimizing existing plants and developing new business models for service. In the future, these digital technology modules will increasingly define machine and plant engineering. As a pioneer in this area, Heitec is pursuing a new development paradigm.

HeiTPM (Total Productive Manufacturing) extends digitalization to the shop floor level and enables fast integration in various IT environments. The

connection is established on manufacturer-independent platforms such as Acron, SAP, and various cloud solutions. With HeiTPM, Heitec integrates all the product-related data and processes of a company into the value chain mapped in SAP ERP, from production control to controlling, based on existing expertise in industrial IT solutions and using the latest SAP technologies. MES functions can be replaced or supplemented by SAP. Cost-effective “real-time” mobile monitoring is made possible anywhere and anytime using the existing technologies. The resulting increase in transparency, as well as improved decision support thanks to cloud-based smart algorithms, boost the cost-effectiveness and quality of production.

Assistance systems that support service are becoming increasingly common. The HeiMAX mobile assistance system ensures a paperless maintenance workflow in order to reduce machine and plant downtimes. The web-based system communicates with all the company’s higher-level ERP systems and can be used anywhere that structured lists have to be processed and evaluated, including quality control, qualification/validation, and acceptance reports.

Caption: Benefit from networked production more quickly with Heitec 4.0

(Source: Heitec)



“From the virtual world to the real world and back again.”

HEITEC AG company profile

HEITEC stands for industrial expertise in automation 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