Mobile data collection in the shop floor

MPDV extends Smart MES Applications

Mosbach, 02.03.2018 **– In times of Industry 4.0 and ever more complex production processes, the demand for mobile data collection solutions is increasing. That's why MPDV offers new apps for smartphones and tablets specifically developed to collect production data. We devised these apps with a user-friendly guidance in mind.**

In addition to collecting data with stationary touchscreen terminals or Industrial PCs, MES users can now acquire data simply via a smartphone or tablet with the new apps. The new data collection functions are called up easily and conveniently from a mobile machine overview.

Examples of mobile MES applications
The MES experts speak of so-called Smart MES Applications (SMA) in association with the MES HYDRA from MPDV. Smart MES Applications provide the user with current machine data and KPIs. The new apps supply on smartphone or tablet the classic data collection functions such as "Log on operation", "Change input batch", "Log off person" or "Change resource status". You can find further information on Smart MES Applications under http://mpdv.info/smaen.

Intuitive operation
The grouping of functions according to order, workplace, resources and material ensures a space-saving layout and convenient operation at the same time. A barcode or QR code can be scanned to avoid tedious and error-prone manual data entry via the keyboard.

Maximum flexibility
Similar to the previous data collection functions, all dialogs can be configured so that users can adapt them to the requirements of their recording process without any programming knowledge. Furthermore, the user can create their own data collection dialogs.
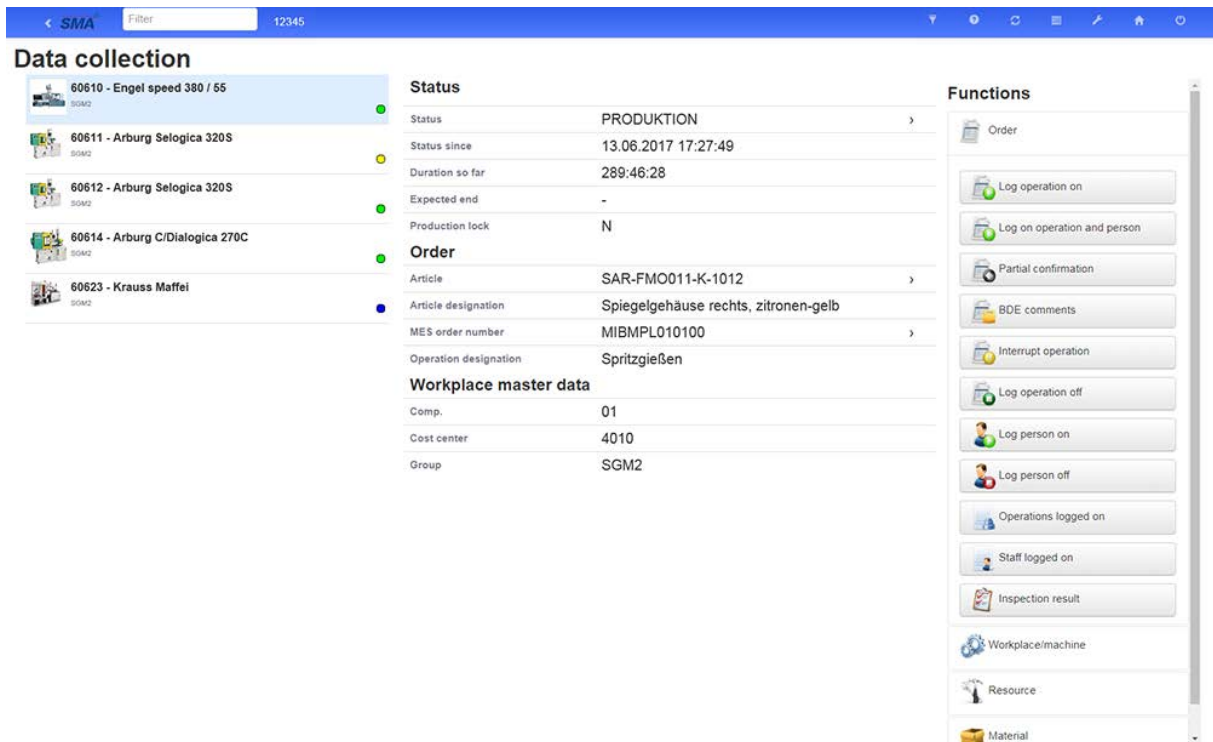
Rainer Deisenroth, Vice President Sales / Marketing at MPDV, explains: „The new function package is now available and significantly expands the possibilities and flexibility of data collection in everyday production."

(approx. 1900 characters)

Keywords
mobile data collection, shop floor, MPDV, Smart MES Applications, SMA, Industry 4.0, flexibility, mobile data collection solution, apps, smartphone, tablet, production, ergonomics, user guidance

Images

Smart Manufacturing Applications (SMA) with user-friendly user interface

The mobile data collection with the new, ergonomic apps makes the daily production routine consider-ably easier

Further information

MPDV Mikrolab GmbH (www.mpdv.com), headquartered in Mosbach, Germany, develops modular Manufacturing Execution Systems (MES) and reverts to more than 40 years of project experience in the production environment. MPDV offers MES products, services for the MES environment and complete MES solutions. MPDV currently employs more than 380 people at ten sites in Germany, Switzerland, France, Singapore, China and the USA. Users from different industrial sectors - from metal processing to the plastics industry to medical technology - already benefit from more than 1,000 installations of MPDV's award-winning MES solutions. Amongst the users are medium sized production companies and also internationally operating groups. As a TOP 100 business, MPDV is one of the most innovative medium-sized companies in Germany.

Manufacturing Execution Systems (MES) support companies to make their production processes more efficient and increase productivity and therefore, to safeguard the company's competitiveness. A state-of-the-art MES enables companies to capture, analyze, and display real-time data along the entire value chain. The responsible employees can react to unplanned events in the short term and start appropriate countermeasures in the production routine. An MES supports on all levels, both in short term and also far-reaching decisions by providing a reliable database.

HYDRA, the modular MES by MPDV, fully covers the requirements of the VDI guideline 5600 with its extensive functional spectrum. Individual HYDRA applications can be combined on a central MES database in line with requirements and without interfaces. Thus, HYDRA ensures a 360-degree view of all the resources involved in production and can also seamlessly map overlapping processes. Powerful tools for configuration and customizing ensure that HYDRA can be modified to meet specific requirements for certain industries and companies. HYDRA integrates into existing IT landscapes and serves as a link between the production (shop floor) and the management level (e.g. ERP system). With an MES system like HYDRA, manufacturing companies remain responsive and thus secure their competitiveness - also with a view to Industry 4.0.

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