

Process Automation

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The M&M-Business segment for PC-/Pocket PC and web-assisted Field device management – from the local user application on FDT-basis to the Enterprise-Application with globally networked sensors and actuators. Experiences from numerous projects, know-how of modern Software technology and knowledge of the industrial sector create a distinct competitive advantage. M&M offers consultation, development support and project management, as well as the handling of complete projects.

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Applicator® for the automation of Engineering processes



User

The Endress+Hauser Group (E+H), one of the internationally leading manufacturers and providers of measuring instruments, services and solutions for the industrial Process technology, supplies a wide range of sensors, devices, systems and services for the filling level-, flow rate-, pressure- and temperature measurement, including the fluid analysis and measuring value recording, the connection of field devices to process control systems and the support of customers with automation and logistical solutions.

The situation

M&M received an order from the E+H-Group to develop a Software solution, with which the end user can easily and intuitively operate catalogue functions for the interactive determination and selection of products. The solution should be operational in a standard environment and should provide comprehensive information. Furthermore, an uncomplicated Data- and Software maintenance, low operating costs and comprehensive administration options were also required.

Solution

The eSELECTION-Toolkit, developed by M&M, forms the core of the

Application Applicator® for the selection and design of products, which is now used by E+H. Its functionality is vastly different from other commonly available Software solutions: The components of this Framework are universal, they can be applied for all Product catalogues in any industrial sector and they have functions for the interactive determination and selection of products. Each of these Tools can also be used on its own. This makes every selection process easily adaptable and expandable to the individual needs of any product manufacturer. The Applicator® can be installed and operated online as Web-Applicator or offline on the user's local computer. To execute a quick selection, the Applicator® is also available on CD-ROM. An Online-Update-Mechanism has been implemented for the locally installed version, which allows the collation via Internet of both the installed data stock and the Applicator®-Software.



Conclusion

The Applicator® automates the work steps for the selection and design of E+H-Measuring devices and also complete plant systems, integrated intelligent Wizards facilitate the search for the customer, it checks

designs and generates order proposals with a link to the E+H Internet-Shop. Harald Freimark, Project manager Applicator® at E+H, points out that, with the grouping of most recent information in one Software, all the information is always up-to-date: "People around the world can view always the latest product data 24 hours a day, the Selection segment guides the prospective buyer to the right product in an interactive dialogue and narrows down the number of possible devices based on the keyed in process parameters. The seamless connection to the price list allows access to the latest prices. This is the optimum way to assist customer work processes in the engineering phase and for the selection of standard products and their design."

"The Components of the Framework developed by M&M Software GmbH are universally applicable, can be used in all Product catalogues of any industrial sector and offer functions for the interactive determination and selection of products."

Harald Freimark
 Endress+Hauser