Software & Information Technology

Software Enables Complete Integration of Drive System within an Engineering Framework

With Sinamics Startdrive Version 12, users can commission and configure Sinamics G120 drives within the Totally Integrated Automation (TIA) portal. The TIA portal is an engineering framework that, when combined with Sinamics Startdrive, offers seamless integration of the drive system from a single graphical user interface. Startdrive features task-based sorting of drive functions, which reduces start-up time by quickly guiding operators to specific tasks. Simotics motors can also be easily integrated into the engineering framework via Sinamics Startdrive. This software permits intuitive and efficient drive diagnostics, and features an integrated trace function to optimize motion sequences and increase application productivity.
Siemens
www.siemens.com

Valve Sizing Software Includes New Calculation Modules

The Nelprof 6 valve sizing software has two new calculation modules that simplify the selection of this company's automated on/off valves and emergency valves. The Nelprof 6 SIL module performs probability of failure on demand (PFD) calculations. A performance analysis module can perform multiphase-flow sizing calculations, as well as noise and cavitation prediction and analysis. The software can evaluate safety requirements, such as the actuator-sizing safety factor and

the safety integrity level (SIL) of the complete valve assembly. The on/off valve-sizing tool can size both metal- and soft-seated on/off valves and actuators.
Metso
www.metso.com

Web-Based Resource Solves Dissolution Challenges

Dissolution Exchange is a free interactive resource to help engineers learn about dissolution testing, solve laboratory-testing challenges, and discuss topics related to dissolution. This resource is designed to equip the pharmaceuticals industry with tools to remedy any dissolution problem. A self-paced tutorial guides users through the many facets of dissolution. Recorded webinars and presentations, as well as white papers, posters, and newsletters, are available through Dissolution Exchange. The Dissolution Discussion Group forum and hotline for dissolution questions are offered to further aid those with inquiries.
Agilent Technologies, Inc.
www.agilent.com

Remote Access Software Facilitates Use of Distributed IT Resources

Connection Portal is a web-based interface that allows individuals in an organization to access computer assets from anywhere within the enterprise. Unlike a traditional system in which each user is limited by the software on his or her own desktop, Connection

Portal is an integrated system that collects and manages the inventory of all the computers within the organization. Heavy-duty computing resources can be consolidated in one central location, which greatly reduces hardware cooling costs. Connection Portal monitors usage, which helps companies better plan for future IT investments. The software promotes effective collaboration and real-time, long-distance knowledge sharing. Organizations most likely to benefit from Connection Portal include energy (oil and gas), education and research, and large multinational corporations.
Mechdyne Corp.
www.mechdyne.com

Software Enhances Tank Information Systems

The Off-sites Software Suite Version 2.2 includes a new batch-tracking option for its order and movement management module that accurately traces the quality and composition of the batch in movement. The line management feature provides information on the product composition flowing in lines or line segments. The blend optimization system enhances product blending, which helps improve refinery performance. Off-sites 2.2 features accurate tank inventory, order, and movement management; pre-blend validation; and automated tank emissions monitoring and reporting.
Invensys Operations Management
http://iom.invensys.com