Software Applications Harness Energy Intelligence Capabilities

Three software applications now feature energy intelligence capabilities. The FactoryTalk VantagePoint Energy bundle, FactoryTalk EnergyMetrix software, and Allen-Bradley Intelli-CENTER Energy software help plant and operations managers view day-to-day resource consumption and make informed decisions. The FactoryTalk VantagePoint Energy bundle includes VantagePoint EMI software, and energy-specific models, charts, trends, dashboards, and analysis tools. The FactoryTalk EnergyMetrix software collects, records, and stores energy data from power meters. It can also capture information on energy usage, flow, temperature, and pressure from controllers or manual entries. Users can set parameters that create alarms or send email alerts when energy usage levels reach a preset level. The IntelliCENTER Energy software offers a preconfigured setup for intelligent motor control devices, such as variable-speed drives, overload relays, and SMC controllers.
Rockwell Automation, Inc.
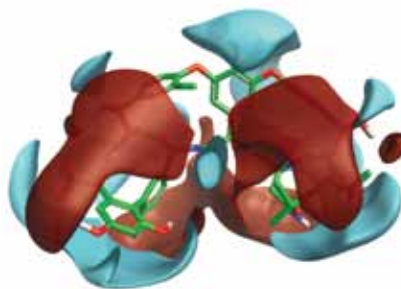**www.rockwellautomation.com**

Application Provides Secure Remote Access to Process Knowledge System

Experion Mobile Access provides access to the Experion process knowledge system (PKS) through mobile computing devices such as industrial handhelds, smartphones, and tablets, allowing seamless access to field data at plants with complex processes and expansive footprints. Operators can view and respond to live information while they are making rounds or inspecting the plant. The web-based user interface has been optimized for small mobile devices, and configuration takes just minutes. Experion Mobile Access improves overall efficiency by reducing the amount of time field personnel spend interacting with console operators.
Honeywell
www.honeywellprocess.com

Free Software Transforms Sketching and Viewing of Molecules

The torchV10lite software is a free 3D molecular viewer, sketcher, and editor. It can create 2D and 3D structures and display the molecular field patterns of the molecules for a visual representation of their physico-chemical properties. The software compares the structure-activity relationship (SAR) of up to 10,000 molecules. Users can load protein-ligand crystal structures to visualize favorable interactions, analyze the results of a ligand- or protein-based virtual screening experiment, and study the SAR of congeneric or diverse series by visualizing the changes in electro-static and shape characteristics of the molecules.
Cresset Group Ltd
www.cresset-group.com

Module Generates Customizable Safety Cards

This safety card module for the 3E Online MSDS management platform enables the quick and easy creation of safety cards, which inform employees of substance hazards, level of protection required, and emergency procedures. Safety cards can be developed using information found on the corresponding safety data sheet (SDS) and stored within the online platform. Users can customize and edit text within the cards, create multiple cards per product and location, color-code certain substances to identify hazard levels, and load existing internal cards into the module.
3E Company
www.3Ecompany.com

Simulation Environment Advances Process Control and Modeling

The aspenONE Version 8 process optimization software enhances visualization, and enables new and occasional users to become proficient faster. It includes a new version of Aspen HYSYS — an advanced process simulator with a redesigned user interface and streamlined workflow. HYSYS makes it faster and easier to generate optimized process simulations for the hydrocarbon industry, from upstream to refining. The Activate feature in HYSYS allows process engineers to find energy and capital cost savings faster. Version 8 incorporates solids modeling functionality, innovations in advanced process control, and improved energy and economic analysis. Aspen PIMS Platinum is also included. The latest addition to the company's Petroleum Supply Chain product line, PIMS Platinum lets engineers collaborate more effectively as multiple scenarios can be visualized and evaluated at once.
AspenTech
www.aspentech.com