Software & Information Technology

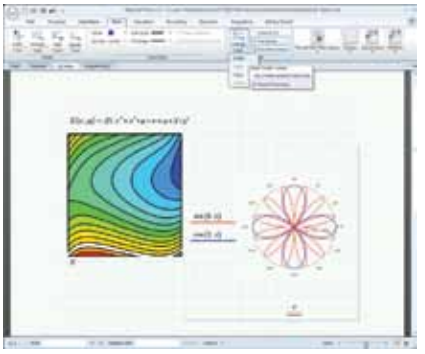
Trend the Process Remotely

PlantTriage now provides real-time trending of process variables on a mobile phone's browser, giving workers immediate access to control-room data, even when they are working out in the plant. The trending tools provide immediate information on process variables, setpoints, and controller outputs. Users can zoom, span, and scale the trends to see details, as well as browse through reports and dashboards that pinpoint instrument issues, valve issues, and tuning problems.
ExperTune
www.planttriage.com

EH&S Compliance Software Adds GHS Classification

Ariel WebInsight 6.0, the latest version of the web-based chemical regulatory compliance reference software, includes new tools based on the globally harmonized system (GHS) of chemical classification and labeling, as well as physical, chemical, toxicity, and eco-toxicological content (PCTEC) data. It extends the existing GHS reference and labeling functionality of the application by adding a GHS mixture-classification module that classifies substances based on their health and environmental hazards. Users can enter physical hazards of the mixture for reference on the final classification report and can generate GHS labels with all necessary pictograms, hazard information, and precautionary statements. A new PCTEC data module that is accessible from the home and database tabs provides summary data on toxicity end points from the National Library of Medicine's (NLM) Hazardous Substance Databank (HSDB) and U.S. Environmental Protection Agency's (EPA) ACQUIRE database. The PCTEC data are automatically pulled in at a substance level to facilitate GHS classification of the mixture.
3E Co.
www.3ecompany.com

Math Environment Improves Productivity



Mathcad Prime 1.0, the next generation of engineering calculation software, combines the capabilities of Mathcad with its open architecture and easy-to-use live mathematical notation functionality. Mathcad Prime 1.0 allows engineers and organizations to streamline critical design processes. The new tasked-based user interface enhances productivity and enables users to learn unfamiliar functions or features quickly. The document-centric calculation environment makes it easy to create detailed, professional engineering design documents that include complex calculations, using live standard math notation with text, images and graphs. Additionally, documents are easy to read and understand by individuals who are not familiar with Mathcad. The WYSIWYG (what you see is what you get) equation editor allows users to express problem constraints and solutions in natural math notation. Mathcad Prime 1.0 offers advanced math exploration capabilities that can display, manipulate, analyze, and plot data with full units support to improve process efficiency, reduce errors, and increase the accuracy of results.
PTC
www.ptc.com

Integrated Software Maximizes Efficiency in Chilled-Water Plants

Central Plant Optimization 10 (CPO 10) and Central Plant Optimization 30 (CPO 30) offer a holistic approach to designing, installing, and operating central chilled-water plants. When incorporated with a modern building-automation system and efficient heating, ventilating, and air conditioning (HVAC) equipment, CPO can help a chilled-water plant achieve maximum energy savings. CPO 10 selects the most efficient combination of pumps, chillers, and cooling towers needed to meet a building's cooling load. Suitable for both new construction projects and upgrades to existing buildings, CPO 10 works with virtually all types of central plants and can achieve up to 15% in energy savings over a standard automation approach in an otherwise identical plant. CPO 30 incorporates software that continuously optimizes the operation of the central chilled-water plant to achieve peak energy efficiency and performance. It has a patented relational control technology that allows it to operate variable-speed central plants holistically based on the power relationships between each piece of equipment and real-time cooling load conditions. CPO 30 provides stable, reliable and persistent energy reductions of 20–60% in existing plants when coupled with plant upgrades.
Johnson Controls
www.johnsoncontrols.com