Software &
Information Technology

SCADA Visualization App Runs on Windows 8 and Windows RT

This SCADA/HMI visualization app offers mobile access to the company's Web Studio applications from any Windows 8 or Windows RT device. SCADA information can be accessed from a variety of mobile devices, such as phones, tablets, and laptops. The app allows users to monitor critical information — such as alarms, process values, trends, and historical data — at any time from any location via the Windows 8 operating system. The application is available at The Windows Store.
InduSoft
www.indusoft.com

Software's Enhancements Aim to Improve Refinery Operations

AspenONE Version 8.1 has four new enhancements that will increase effective collaboration in refinery operations. The first enhancement to the software package, Aspen Deployment Assistant, accelerates the process of manually validating model results. The second enhancement adds university teaching modules to Aspen HYSYS; the modules educate students on a curriculum that has been formulated by industry experts. The third enhancement, Aspen IMOS, is a web-based application that gives petroleum supply-chain operators full visibility into inventory positions, current and future inventory movements, market demand, and contract status, all without the use of spreadsheets. The final enhancement, Aspen PIMS, allows refinery planners to access, import, and store industry-standard crude assay data.
AspenTech
www.aspentech.com

Online Calculator Speeds Thermowell Selection

This online thermowell calculation tool incorporates the new ASME PTC 19.3 TW standard. This approach to thermowell calculation is automated, unlike the traditional time-consuming spreadsheet method. The tool performs iterative, preliminary calculations to help users select the correct thermowell earlier in the design process. As per the new ASME standard, the tool provides natural-frequency correction factors that take into account different components of the thermowell, such as the mounting style and temperature sensor mass. The tool is available free of charge at www.rosemount.com/thermowellcalc.
Emerson Process Management
www.emersonprocess.com

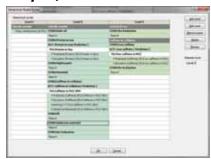## Software Reduces Purification Time and Solvent Use

An updated version of the Isolera Spektra software offers improvements to the step-gradient optimization feature that help save time and solute in thin-layer chromatography (TLC). The software analyzes data from as many as 10 different TLC runs to estimate where the individual sample components will elute, the percentage of strong solvent required, and which cartridge is best able to purify the amount of sample. The software can tailor purifications to separate and purify between one and six compounds, or target one specific compound of interest. The simplicity of Isolera Spektra makes sophisticated purification strategies accessible to both inexperienced and expert users.
Biotage
www.biotage.com

Module Models Complex, Nonlinear Data

The Unscrambler X hierarchical modeling module employs a powerful decision-tree approach for modeling complex data, and allows classification and prediction models to be joined with multilevel modeling for offline data analysis. When analyzing process data, it is necessary to refine models based on the output of initial investigations. Unscrambler X's decision-tree approach automates this process — conditional statements about the outcome at one level define the actions to be taken on the next level, with the option to define up to 10 levels. This technique joins a number of multivariate models using logic statements in order to arrive at a single result. The software is suitable for use in applications such as fermentation monitoring in biotech or food production, gasoline blending in petroleum refining, and reaction monitoring in chemical manufacturing.
CAMO Software
www.camo.com