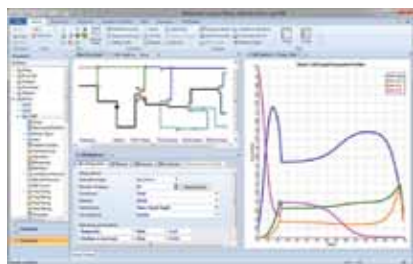


Software & Information Technology



Software Release Delivers Redesigned User Interface



The latest release of Aspen Plus software improves process simulation through a redesigned user interface and workflow. It provides quick and easy access to other aspenONE Engineering products, including a comprehensive physical properties database, capital cost estimating tool, and thermal and mechanical heat exchanger design products. The software includes online training, and a search tool that allows engineers to quickly search through models and data.

Aspen Technology, Inc.
www.aspentech.com

Software Simplifies Level Control with Non-Steady-State Tuning

Non-steady-state (NSS) modeling for integrating control loops is now included in PlantTriage Version 11 and higher and in PID Loop Optimizer Version 21 and higher. This tool models and tunes level controllers effectively, even when the process has not achieved steady state. It can also tune tight-control and surge-tank scenarios. The NSS modeling tool features an integrated wizard based on the level-tuning techniques of process control expert F. Greg Shinsky.

ExperTune, Inc.
www.expertune.com

Major Update Boosts Software's Security Features

The latest update to Niagara Framework 3.7 includes built-in mobile support, updated graphics, and

enhanced security features. Mobile support is now available for some of the more commonly used features, such as property sheets, scheduling, alarm management, and charting. Security enhancements include increased password security and support for cryptography and public key infrastructure (PKI). Encryption is now available for the core connection types used in all Niagara installations, including HTTP connections, Fox connections, and Niagara platform connections. The latest update also includes an expanded graphics library, enhanced history reporting, and greater branding opportunities.

Tridium
www.tridium.com

HART Communication Protocol Enhancements Deliver Device-Status Information

Five improvements have been made to the HART Communication Protocol standard. Enhanced device-status indicators provide clear operator notification of device status — *i.e.*, failure, out of specification, function check, or maintenance required. Support for access to key performance indicators (KPIs) and enhanced support of discrete- and on/off-type devices have been added. Another improvement specifies and standardizes the protocol between remote I/O systems, multiplexers, gateways, and host systems. Finally, a wireless interface option for infrared devices is now included.

HART Communication Foundation
www.hartcomm.org

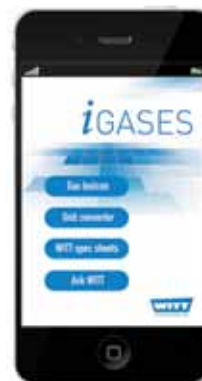
Software Optimizes Crystallization Efficiency

gCrystal 2.0 provides an integrated, drag-and-drop graphical environment for increased research and development (R&D) efficiency and the optimization of crystallization process design and operation. It is designed for

process engineers, R&D personnel, and scientists engaged in characterization, design, and scaleup of crystallization processes. The software can model unit operations such as classifiers, dissolvers, mixers, and splitters. It is suitable for the pharmaceuticals, fine and bulk chemicals, agrochemicals, food processing, and consumer goods industries. Typical applications include scaling up from laboratory to industrial scale, optimizing product particle-size distribution (PSD), minimizing batch times subject to product quality constraints, and determining optimal seeding policy.

Process Systems Enterprise, Ltd.
www.psenterprise.com

Free App Provides Industrial Gas Information



The iGases app for iPhone, iPad, and Android devices serves as a reference for industrial gases. It details important physical and chemical characteristics of gases, such as density, steam pressure, ignition range, and thermal conductivity, as well as safety information. A convenient unit converter translates pressure, volume, temperature, and mass flowrate of gases to international units of measurement. The company's gas specialists are available to answer any questions not solved with the iGases app.

WITT
www.wittgas.com