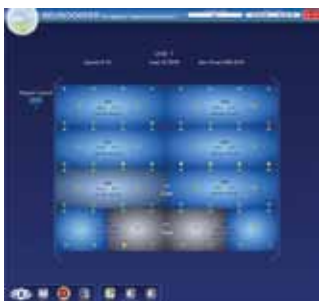




Software & Information Technology

Software Monitors and Optimizes Precipitators



The Precipitator Optimization System Version 8.0 (POS 8) gives utilities and industrial plants more control over their electrostatic precipitators (ESP), improves overall plant efficiency, and reduces operating costs, energy consumption, and emissions. POS 8 features a significantly improved user interface, easier-to-use and more-detailed data gathering, reporting and analysis tools, and expanded functionality. This allows for more effective and more efficient system use, maximizes uptime, and supports compliance reporting. New control algorithms seamlessly integrate components from multiple suppliers. A multiple-user setting allows individuals to set preferences for the type and amount of data displayed. Plant operations, engineering, and maintenance personnel can create user accounts to tailor their use of the system to better meet their respective needs. Like previous versions, each POS 8 software installation is pre-programmed to reflect actual plant needs and physical configuration. Onsite start-up and training services are available.

Neundorfer Inc.

www.neundorfer.com

Instantly Access Chemical Inventory and MSDSs

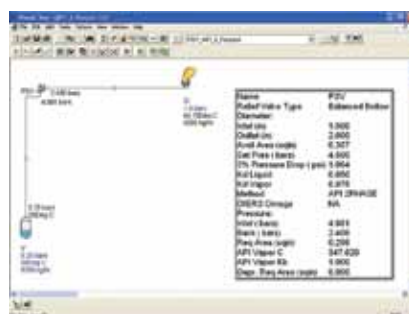
3E Mobile – MSDS offers instant access to hazardous material inventories and associated material safety data sheets (MSDSs) via a smartphone.

This company's database of 4.5 million MSDSs is now available for portable viewing — saving valuable time and helping bolster environmental, health, and safety (EH&S) regulatory compliance efforts by ensuring reliable access to critical product safety information. In addition, users can scan universal product codes (UPCs) associated with a product to automatically retrieve the relevant MSDS and related information. This is especially useful for companies with employees who work remotely or in rugged environments, such as those in the utility, construction, transportation, and manufacturing industries. Access to this type of information is invaluable in the event of a spill or emergency, which often occurs in locations where computers are not easily accessible. 3E Mobile – MSDS is available free of charge to all 3E Online – MSDS customers.

3E Company

www.3eonline.com/m

Simulation Helps Safely Design Flare and Relief Systems



The SimSci-Esscor VISUAL FLOW version 5.4 is the newest edition of the flare and relief network design simulation software that aids process and safety engineers in designing, modeling, and documenting plant fluid-flow systems. Version 5.4 provides expanded simulation capabilities through point-by-point thermodynamics and pressure-drop

calculations to handle the toughest single- and multiphase fluid-flow systems. Fluid equilibria and physical properties are calculated by industry-standard thermodynamic packages with comprehensive pure-component databanks using SIM4ME Thermo. This version also offers enhanced integration with other SimSci-Esscor applications, such as Thermo Data Manager 3.5, and it supports Windows 7 and multi-user environments for better engineering collaboration. The simulator provides fast, reliable and accurate solutions for piping applications that range from line sizing and vessel depressuring to rating complex relief and flare systems. The documentation capabilities reduce the effort needed during regulatory audits and lower the cost of regulatory compliance.

Invensys Operations Management

www.iom.invensys.com

Academic Program Offers Free and Low-Cost Software and Training

A new access program will provide academic users with a range of chemistry software tools, as well as free training licenses for academic courses and low-cost group licenses. Any postgraduate, PhD, or postdoctoral student enrolled in a degree program can apply for free, one-year named-user licenses for desktop products (FieldStere, FieldAlign and Field-Templater). Free licenses will include upgrades but not technical support. Short-term free training licenses may be available for university course training and teaching purposes. A low-cost one-year group license is available for academic teams of up to five members of the same lab group. Academic group licenses can be managed and updated centrally and are supplied with maintenance and technical support. In addition, Field-View is a powerful molecular editor,

visualizer, and structure-activity relationship (SAR) analysis package that is available as a free download at www.cresset-group.com/fieldview.

Cresset

www.cresset-group.com/academicaccess

Software Alerts Plant of Negative Trends

PlantESP is the latest addition to the LOOP-PRO suite of process control diagnostic and optimization solutions. It actively monitors the performance of a production facility's PID controllers, and isolates and corrects underperforming regulatory control systems. It also alerts users to performance issues related to a plant's mechanical final-control elements



and process limits, and provides timely plantwide analysis, customized communications, and actionable recommendations for reestablishing effective control. PlantESP is highly scalable and is capable of monitoring and analyzing thousands of PID controllers simultaneously. It evaluates individual controller performance against a collection of essential controller-tuning metrics and user-defined performance benchmarks.

Power Spectrum identifies loop interactions and the associated shared cyclical disturbances within a plant environment. It equips production and maintenance staff with intuitive means for determining root cause, saving valuable time and increasing overall plant profitability. Using Microsoft's Silverlight technology, the secure, web-based application accesses process data directly from a facility's existing data historians and Historical-OPC servers to place minimal demand on a plant's limited IT resources. Registered users can configure alert and report settings to match their individual responsibilities, production goals, or other job-specific criteria.

Control Station, Inc.

www.controlstation.com

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Prevent and Protect

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Dust Explosions**

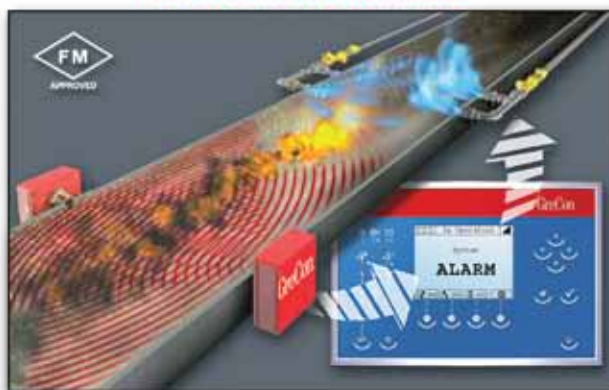
Combustible dust hazards exist in your processing facility. Monitor production equipment for **hazardous conditions** on pneumatic conveyors, hammer mills, pelletizers, tablet presses, capsule filling equipment.



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