

Software & Information Technology



iPad App Calculates Energy Savings



The Millad NX 8000 Savings Calculator application computes the energy savings, cycle time reduction, and CO₂ emissions reductions gained by using the company's Millad NX 8000 clarified polypropylene (PP) versus traditional clarified PP to produce clear PP parts. The app is available in iTunes for the iPad, iPhone, and other PCs and tablets. Material and process parameters can be compared in graphic and numeric form. Settings on the savings calculator can be converted to local currencies and energy prices to indicate local user savings. Environmental effects are expressed in terms of CO₂ emissions, as well as in indirect terms such as the number of cars that would emit the same amount of CO₂ in a year.

Milliken & Co.

www.milliken.com

Software Evaluates Risk-Reduction Effectiveness

The SILStat software collects and analyzes operational and maintenance data, such as equipment failures, process demands, and the success rate of protection layers. It determines the actual risk posed by a hazardous situation and the effectiveness of a plant's risk-reduction strategies. The software helps to evaluate the overall efficiency of a process safety design. It reviews data in accordance with the ISA 84.00.01-2004 (IEC 61511) standard, and is in compliance with

an OSHA process safety management (PSM) mechanical integrity program.

Exida

www.exida.com

Online Tool Simplifies Wireless Network Startup



The Smart Wireless Planning Tool is a free web-based application that allows users to design a customized wireless network for an industrial facility and test network plans before investing in wireless technology. Users can set specific limitations, parameters, and standards for their network, and save network configurations for future reference and revision. Configurations are evaluated based on industry best practices and the standards of the IEC 62591 WirelessHART system-engineering guide from the HART Communications Foundation.

Emerson Process Management

www.emersonprocess.com

Management Application Tracks Maintenance Activities

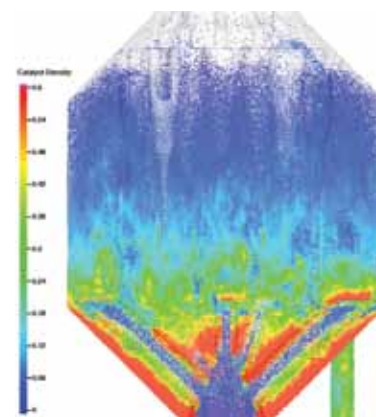
FastMaint CMMS Version 6.0 has a new one-page statistics report that compares current maintenance performance with prior periods. It displays the current work order backlog, the percent of completed work orders, the equipment that requires the most work and has the most downtime, and other critical information. FastMaint CMMS tracks regular maintenance and emer-

gency work, and sends work orders to maintenance staff on their mobile phones. The software is available in four editions. The Basic and Standard editions are designed for companies with a single user managing the maintenance process. The Professional and Web editions support multiple users; managers can restrict access to sensitive information to certain user groups. Maintenance staff can update and close work orders from their mobile phones with the Professional and Web editions.

SMGlobal

SMglobal.com

Software Optimizes Productivity of Fluidized-Bed Reactors



The newest generation of Barracuda Virtual Reactor software models both particle flow and chemical reactions in fluidized-bed reactors. According to the company, its proprietary Computational Particle Fluid Dynamics method enables the software to simulate even the largest and most complex reactors. Barracuda VR can model variable reactor conditions, such as particle size and local temperature, in order to optimize yields, reduce emissions, and increase the efficiency and on-stream reliability of fluidized process systems.

CPFD Software

www.cpfd-software.com/cep