

# Software & Information Technology



## Data Management System Helps Prioritize Maintenance Needs



Plant Resource Manager (PRM) R3.12 is a data management system that compiles information from monitoring and control devices and manufacturing equipment to monitor status and identify maintenance needs online. The updated package has a more intuitive interface for displaying self-diagnostic information that helps maintenance personnel to quickly prioritize problems and corrective actions. Diagnostics such as failure, check function, out of specification, and maintenance required are indicated with easily understood NAMUR NE107-compliant symbols. The software includes enhanced support for narrow-band wireless and satellite communications. This new functionality is particularly useful in upstream oil and gas applications, as it allows users to monitor and control wellheads and pipeline pump stations at remote sites.

**Yokogawa Corp. of America**  
[www.yokogawa.com](http://www.yokogawa.com)

## Interactive Web Tool Teaches Workplace Hazard Identification



This web-based training system provides even small businesses with advanced tools to train employees on the identification of hazards in the workplace. Within the safety of a virtual simulation, employers and

workers can learn how to identify and eliminate common workplace hazards in the manufacturing and construction industries. Users can train from the perspective of either a business owner or an employee, to determine practical and effective solutions relative to their role in the organization. All of the primary steps in the hazard identification process are discussed: information collection, observation of the environment, investigation of incidents, employee participation, and prioritizing hazards. The training tool is available on the U.S. Occupational Safety and Health Administration's (OSHA) website.

**U.S. Occupational Safety and Health Administration**  
[www.osha.gov](http://www.osha.gov)

## Modeling Software's Automated Features Have Been Enhanced

AspenONE Version 8.6 delivers dynamic activated analysis and expanded safety and cost-estimation capabilities. The steps required to set up a dynamic model have been dramatically reduced to shift focus toward solving tough engineering problems. Process safety analysis is bolstered with enhanced overpressure protection, as well as more models for chemical reactors, fire scenarios, and regulatory standards. Enhancements to the capital cost estimator function have improved the accuracy of cost estimates to  $\pm 10\%$ .

**Aspen Technology, Inc.**  
[www.aspentech.com](http://www.aspentech.com)

## Hazardous-Material Transportation Management Software Is Integrated with SAP

The Dangerous Goods Information System (DGIS) software for hazardous-material (hazmat) transportation management now includes tools for SAP integration. Companies that must comply with hazmat require-

ments, such as those in the chemical, pharmaceutical, automotive, aerospace, and oil and gas industries, rely heavily on SAP enterprise resource planning (ERP) software. These organizations can now benefit from the combination of SAP's core systems and focused capabilities in hazmat transportation. This integrated system makes hazmat management easier and more reliable than the use of manual systems.

**Labelmaster**  
[www.labelmaster.com](http://www.labelmaster.com)

## HMI Software Leverages the Potential of Process Equipment



Wonderware Intouch Machine Edition is a human-machine interface (HMI) that is tailored to meet the needs of end users, original equipment manufacturers (OEMs), and machine and system builders. It operates on a Microsoft Windows system, integrates with Wonderware Historian and Wonderware System Platform, and directly connects to industrial data sources. The software is compatible with more than 240 native communication drivers and almost any control hardware. Plant operators can make better business decisions with real-time data provided through the enhanced visualizations, scripting, security, alarming, trending, and recipe management functions. The software allows users to create intuitive and maintainable HMI applications and makes machine information more accessible, rather than relying on a standard factory-supplied HMI that is typically tied to a specific programmable logic controller (PLC).

**Schneider Electric**  
[www.schneider-electric.com](http://www.schneider-electric.com)