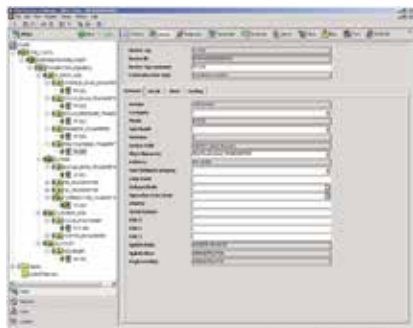# Software & Information Technology

Plant Resource Manager Centralizes Data

Version R3.20 of this plant resource manager (PRM) software improves maintenance efficiency and enables centralized management of data produced by monitoring and control devices and manufacturing equipment. PRM R3.20 includes improved management functionality for highway-addressable remote transducer (HART) and ISA100 wireless field devices. Users can now quickly access HART device status information. Real-time data can also be viewed in the PRM window, as well as on control system operation and monitoring screens. Additionally, the update complies with field device tool (FDT) 2.0 standards for communications between field devices and control systems.

Yokogawa
www.yokogawa.com

Safety Lifecycle Management Suite Simplifies Compliance

This safety lifecycle management platform helps drive risk reduction in the oil and gas, chemical, petrochemical, and specialty chemicals industries. Version 4.0 of aeShield with aeFacilitator centralizes critical process safety information, consolidates the many tools used throughout the process safety lifecycle, offers seamless data transfer, and opti-

mizes data accessibility across an organization. New features include configurable severity types and reporting options by severity, additional health meters, upgraded datasheets and datasheet editor, and improved aeFacilitator interface. The software simplifies compliance by handling, with just one platform, the immense amount of data typically analyzed via disparate tools.

aeSolutions
www.aesolns.com

Software Boosts Asset Uptime

Uniformance Asset Sentinel continuously monitors equipment and process health to help industrial facilities predict and prevent asset failures and poor operational performance. It expands on the Uniformance software suite to support the emergence of the Industrial Internet of Things (IIoT) in the process industry, enabling collection and analysis of data for a specific asset. These analytics help operators avoid reactive activities that can cause unplanned downtime, as well as improve plant performance and safety. The technology works by continuously accessing real-time data from a variety of sources, including pro-

cess parameters, vibration data, and alarms. The software is equipped with predefined best practice templates for more than 100 types of equipment, such as pumps, compressors, exchangers, valves, and turbines. The software's developer claims it will help users increase asset utilization by up to 10% and cut maintenance costs by as much as 15%.

Honeywell
www.honeywell.com

Software Aids Valve Selection Activities
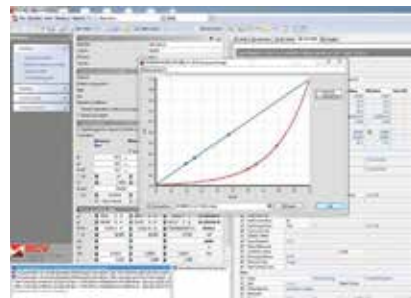
This sizing software for research control valves (RCVs) guides users through the control valve selection process, taking into account the unique process requirements of each plant and project. The software's database includes more than 2,000 different media, and allows custom media to be specified as well. RCVcalc enables users to graphically visualize their operation setpoints and review various trims and characteristics, which are dynamically filtered based on selections. Advanced formulas for low-flow calculations serve transitional and laminar flow situations. Predetermined thermodynamic equations of various fluid states can be easily accessed through the software. The offering can be downloaded for free from the company's website.

Badger Meter
www.badgermeter.com