Pump Simulation Interface Identifies Unsafe Conditions

Created to help engineers simulate pump operation prior to installation, P SMART (Pump System Modeling and Reporting Tool) software helps users to visualize the interactions of different components within a hydraulic system to optimize outcomes, reduce costs, and increase efficiency. It allows users to size pumps, pipelines, control valves, and orifices by drawing piping schematics. Conditions like fluid and pipeline properties, elevations, and other variables can be added to the simulation. This free tool can help to identify and isolate bottlenecks, as well as to identify pump cavitation, operation below the minimum

flowrate, and other unsafe conditions. This software helps engineers to make better, smarter decisions when designing pumping systems by simulating hydraulic systems under a variety of conditions.

The Hydraulic Institute
www.pumps.org

Supply Chain Software Increases Collaboration

Built on the Spiral Suite platform, this software serves as a unified supply-chain-management solution for the hydrocarbon processing industry. It improves collaboration across the refinery, so traders, planners, and schedulers will no longer work in isolation and can make reliable decisions,

manage risks, and increase profitability. Enhanced transparency and collaboration allow users to contribute and add value cross-functionally, without the risk of overwriting data or causing downstream processing issues. Even novice planners can be effective with this software without the need for extensive training. Current resources like multi-core and cloud environments are utilized to quickly generate and present results in an easy-to-understand format. Users are able to simulate scenarios to explore the business and operational implications of their choices. These attributes support a mobile workforce.

Schneider Electric
www.schneider-electric.com/us