

Software & Information Technology



Risk Manager Measures Cyber Security Risk



The need to prevent and reduce the risk of cyber attacks has jumped to the top of many industrial facilities' priority lists. The Industrial Cyber Security Risk Manager simplifies the task of identifying cyber security risk. The digital dashboard proactively monitors, measures, and manages cyber security risk for control systems at refineries, power plants, and other automated production sites. Expertise in cyber security is not necessary — complex cyber security indicators are translated into clear measurements and key performance indicators (KPI), which are disseminated through an easy-to-use interface. Users can create customized risk-notification alerts and perform detailed threat and vulnerability analyses to target insecure network and system configurations, rogue devices, intrusion attempts, malware, and other threats.

Honeywell Process Solutions
www.honeywellprocess.com

EHS Suite Solves Complex Challenges

Version 5 of this comprehensive environmental, health, safety (EHS) and sustainability software suite is designed for such tasks as incident management, management of change (MOC), compliance management, training documentation, performance metric collection, risk analysis, and corrective-action tracking. Its intuitive controls and reporting enable users to easily adopt and implement the software to solve complex EHS and

sustainability challenges. The ability to perform risk and cause analyses makes this a powerful prevention tool that puts ownership and accountability in the hands of all employees. A workflow that is simple to follow streamlines critical MOC processes. Compliance management tasks that can be vulnerable to mistakes are made more visible to ensure that regulatory compliance is achieved. Additionally, the software helps users track and prioritize employee training and performance metrics. The risk-analysis and corrective-action functions increase personnel awareness of hazards and ensure completion of the necessary remediation actions.

KMI
www.kminnovations.com

Software Runs Numerous Tests



RheocalcT v1.2.19, for use with the company's DV2T viscometer and DV3T rheometer, features the Test Wizard for rapid test creation, improved layout and navigation, and additional import/export functions. The Test Wizard reduces the time and effort needed to set up popular tests, such as time to stop, time to torque, speed ramp or shear rate ramp, and temperature profiling. It can create a thix index test (to calculate the ratio of viscosity at a low speed versus viscosity at a higher speed) or a curing test (to automatically reduce speed at preset torque values). Additionally, the wizard can create and run a yield stress

test for the DV3T rheometer. Layout and navigation have been improved with the addition of a favorites bar, and importing and exporting have been simplified and enhanced. The software should be run on a device with at least two universal serial bus (USB) ports to support viscosity testing with concurrent temperature control.

Brookfield Engineering
www.brookfieldengineering.com

Electronic Logging Streamlines Shift Changes



Shift handover can be a risky time for a plant, because poor communication can quickly result in process upsets. Logbooks log-management software enables operators to electronically document activities to streamline shift changes, drive actions, and accelerate decision-making. Operators can identify priorities for the next shift and access documentation of events from the previous shift — ensuring that quality, safety, and throughput are protected. A consistent approach to operator logs supports safety improvement efforts, as well as audits and corrective-action processes. A consolidated graphical view makes it easy to obtain complete and accurate information. Task scheduling gives management confidence that critical tasks are prioritized as such while important but not urgent tasks, such as training, reviews, and routine maintenance, are completed and documented.

Emerson Process Management
www.emersonprocess.com