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**ABB AND DRESSER MASONEILAN® COLLABORATE ON EMERGENCY SHUTDOWN VALVE INTEGRATION**

**Solution leverages System 800xA's integration capabilities to improve overall process safety, emergency valve performance and availability**

**Houston, Texas**, (September 20, 2010) – ABB, the leading power and automation technology group, announced that it will collaborate with Dresser Masoneilan®, a global leader in process control valves, on an integrated process to monitor, test and manage emergency shutdown valves (ESDV) during all operational conditions, from normal plant operations to abnormal situations. These valves are crucial process elements for the oil, gas and petrochemical industries, as well as many other industrial processes.

“Our collaboration with industry leaders like Dresser Masoneilan helps us to offer our mutual customers best-in-class safety solutions that will protect the integrity of their processes and the surrounding community,” said Luis Duran, Americas Business Development Manager for Safety Systems, ABB.

The combined solution leverages the capabilities of ABB's 800xA High Integrity SIS (Safety Instrumented System) and Masoneilan's SVI II ESD (emergency shutdown device) and PST Controller to improve overall plant safety and increase the availability of ESDV's for optimal response of the isolation valve in emergency situations. This integration also simplifies safety compliance by automatically recording partial stroke test results and emergency shutdown events, saving time and money while increasing efficiency.

“By taking advantage of System 800xA's unique integration capabilities and open standards, the user has immediate access to the health diagnostics and status of the emergency shut down valve. This access also provides proactive management of this critical device, for instance enabling remote triggering of partial stroke tests, to ensure that it is ready to perform when needed,” said Kristian Olsson, manager of ABB's Safety Center of Excellence. “This immediate readiness is vital to the protection of the process, the environment, and the surrounding community in the event of an abnormal situation.”

As an integrated object within System 800xA, Masoneilan's SVI II ESD device can be configured to perform scheduled partial valve stroke tests while remotely monitoring and maintaining the emergency shutdown valves during normal plant operations. This minimizes the need for outages and downtime to evaluate the health and readiness of these critical process elements. This also provides easy to understand alerts and recommendations regarding valve status, as well as required partial stroke test and emergency shutdown signatures and documentation.

“While open standards offer great benefit for end users, it is the collaboration between automation vendors that provides for an “out-of-the-box” solution capable of generating instant results,” said Sandro Esposito, Global Marketing Manager Digital Products for Dresser Masoneilan. “The SVI II ESD provides

an excellent return on investment with its combined shutdown function, partial stroke test function and shutdown event “blackbox” into a single SIL3 certified device.

The SVI II ESD is the latest technology in emergency shutdown valve automation and in-service valve partial stroke testing. The SVI II ESD is the only SIL3-certified ESD certified at 4mA with stainless steel housing. The device can be implemented using a 4/20mA signal (analog safety demand), 0-24Vdc (discrete safety demand) or a combination of both. Standard on the device are an LCD display and explosion-proof external pushbuttons. This design architecture offers a sophisticated platform while being Type A (simplex device) compliant. System 800xA High Integrity is ABB’s next generation safety system. This SIL 3 rated Safety Instrumented System (SIS) provides the highest level of integration of safety and control on the market today, and a unique embedded diverse technology architecture that provides superior protection of the process, plant, personnel, and the environment while it optimizes overall process efficiency.

Dresser Masoneilan, headquartered in Houston, Texas, has been the leading global partner in process control valves and solutions for more than 100 years. As a Dresser Inc. brand, Dresser Masoneilan delivers customized products, services and diagnostic solutions for oil and gas, process and power generation applications. To learn more, please visit [www.dressermasoneilan.com](http://www.dressermasoneilan.com)

ABB ([www.abb.com](http://www.abb.com)<http://www.abb.com/>) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 117,000 people.

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