

SIL3 certified 800xA control system

30 years of experience in developing and planning safety-oriented systems

Frankfurt, May 11th 2009 – Already in 1979, ABB commissioned the first plant with a safety-oriented control system. Once among the pioneers of safety-oriented systems, ABB has become one of the market leaders ever since. During their 30 years of market presence, ABB has offered generations of different technical solutions for safety systems ranging from Dual Modular Redundant (DMR) systems from Norway to Triple Modular Redundant (TMR) Triguard and Plantguard systems from the UK all the way to the latest modular, scalable and fully integrated 800xA High Integrity System (HI System).

The HI system, certified compliant with SIL3, and showcased to the public at the Hannover Messe for the first time, is an integral part of the ABB Automation System 800xA. The uses of these modular and scalable HI systems yield integrated solutions, offering distinct savings throughout all phases of the system life-cycle.

The 800xA is available in either dual- or quad-configuration. Both versions are compliant with SIL3 requirements. This allows end users to implement customized technical requirements cost-efficiently. For continuous processes, the 800xA HI System in quad-configuration offers a production availability of minimum 99.9999 percent.



Numerous customers in many countries have already installed the system certified compliant with SIL3. Customers in Norway (oil rig Troll), Mexico (Pemex), Taiwan (Rexchip), Argentina (Compania Mega) and Kuwait (Oil Company) and others benefit from the advantages of an integrated solution. In the past 30 years, ABB has successfully installed safety-oriented systems in more than 55 countries. While the vast majority of installations are within the Oil & Gas and Chemicals industries – the main drivers behind safety development – an increasing market diversification is clearly evident. More and more installations are being delivered to non-traditional markets such as Power Generation, Pulp & Paper, Metals & Mining, and the Semiconductor industry, for example.

Press contact:

ABB Automation GmbH
Rainer Hofmann
Tel: +49 (0) 69 / 7930 4308
Fax: +49 (0) 69 / 7930 4332
rainer.r.hofmann@de.abb.com