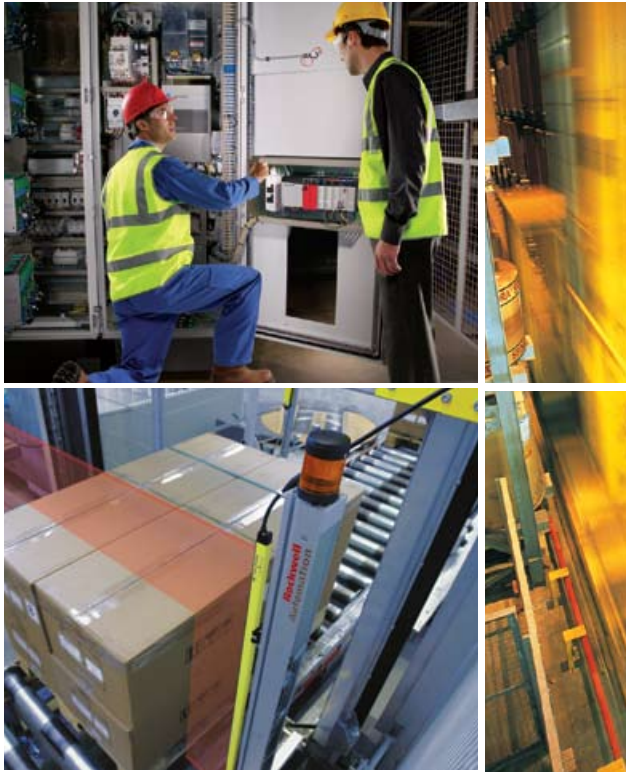


2010 SafeDesign Functional Safety Educational Series



Meeting new functional safety standards is just the ante. While compliance is a requirement, taking advantage of contemporary safety technologies can also significantly improve overall machine performance compared to conventional architectures.

As the global leader in machine safety, Rockwell Automation is privileged to present this webinar series as part of our SafeDesign functional safety educational program. The series is designed to provide attendees with a clear understanding of functional safety standards and technologies, and a path forward to improving both machine safety and overall machine performance.

Register online at:

<http://discover.rockwellautomation.com/safety>

Information regarding these webinars and other SafeDesign activities may be found at:



Twitter - @raguard and #SafeDesign



LinkedIn - Safety Automation Forum group



Facebook – Rockwell Automation Safety Solutions



LISTEN.
THINK.
SOLVE.®

2010 SafeDesign Functional Safety Educational Series

SafeDesign: Introduction to Functional Safety

January 28, 2010, 10:00 AM CST/11:00 AM EST –

Overview of functional safety standards and baseline knowledge to better understand:

- The impact of recent changes in relevant EU Directives (EN 954-1) and legislation
- The concepts of functional safety
- How to put impending compliance directives into practice
- SILs (Safety Integrity Levels)
- How to prepare your company and stay competitive

SafeDesign: Modern Safety Designs for Improved Safety and Productivity

February 25, 2010, 10:00 AM CST/11:00 AM EST –

Through practical examples and applications you will learn about:

- The safety design continuum and key milestones
- The strategic importance of following a safe design process
- How to Design safety INTO, not ONTO a machine
- Strategic approaches to safety including passive, configurable, and lockable safety systems and more

SafeDesign: Machine Risk Assessment

March 25, 2010, 10:00 AM CST/11:00 AM EST –

Discussion of techniques for assessing the risks and hazards of a machine in a manufacturing environment to better understand:

- The value of risk assessment
- Identifying hazard sources
- Understanding the assessment process
- Documentation

SafeDesign: Risk Mitigation Techniques

May 4, 2010, 10:00 AM CST/11:00 AM EST –

Discussion of techniques for mitigating risks identified during machine risk assessments including:

- Hierarchical approach to safeguarding
- Designing out hazards and risks
- Engineered solutions



SafeDesign: Safeguarding Techniques

June 15, 2010, 10:00 AM CST/11:00 AM EST –

Discussion of the fundamental principles of machine safety system design including:

- General safeguarding requirements
- Stop categories
- Safeguarding methods

SafeDesign: Safeguarding Technologies

July 20, 2010, 10:00 AM CST/11:00 AM EST –

Discussion of advanced techniques and technologies for designing machine safety systems including:

- Integrated safety
- Advanced Safe Motion
- Exclusive control

SafeDesign: Machine Safety Validation

August 24, 2010, 10:00 AM CST/11:00 AM EST –

Discussion of machine safety validation including:

- Proven validation techniques
- Protocol development
- Performing the validation
- Proving the effectiveness of your design

All dates are tentative and subject to change at the discretion of Rockwell Automation.

Each webinar provides a brief overview of previous events. In addition, previous events will be posted online on the Rockwell Automation Safety portal (<http://discover.rockwellautomation.com/safety>) following its completion and prior to the subsequent event.