

Bypassing Safety Instrumented Systems

Considerations for Safely Defeating Critical Systems

Kenexis has developed a training course for Bypassing Safety Instrumented Systems (SIS) that provides critical guidance and procedures that should be considered prior to defeating any safety critical system. Bypassing SIS takes understanding of the process and knowledge of the reasons when bypass is acceptable. Many plants have had catastrophic events related to improper bypass. In this course, our instructors explain what analysis is required and what level of review is necessary to determine when Bypassing SIS is the correct option and how accidents can occur if these procedures are not followed. Kenexis reviews the requirements for bypassing in SIS standards, how bypasses can be accomplished (including their strengths and limitations), management of change, and proper documentation and auditing.



Practical Skills Taught in this Course

- Understand the implications of defeating critical systems
- Understand how accidents are caused by poor bypassing techniques
- Identify the SIS standards requirements for bypassing
- Compare the options for bypassing system design
- Understand the best practices for Bypassing Management of Change

Our Advantage

Kenexis is an engineering and consulting firm specializing in the application of engineered safeguards, such as Safety Instrumented Systems to process industries. Our years of experience give us unparalleled insight into the implementation and use of these safety critical systems throughout their lifecycle.

The Bypassing Safety Instrumented Systems training course covers the following:

- ✓ Section 1 SIS Introduction
- ✓ Section 2 Lessons Learned from Accidents
- ✓ Section 3 SIS Standards Bypassing Requirements
- ✓ Section 4 Methods for Implementing Bypasses and Best Practices
- ✓ Section 5 Managing and Documenting Bypasses
- ✓ Section 6 Auditing Bypasses

Who Should Attend?

- Operations Management
- Engineering Management
- Operations Staff
- Control Systems Engineers
- Process Safety Professionals

Course Duration: 1 Day

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