



exSILentia Training

Integrated Safety Lifecycle Engineering Tool

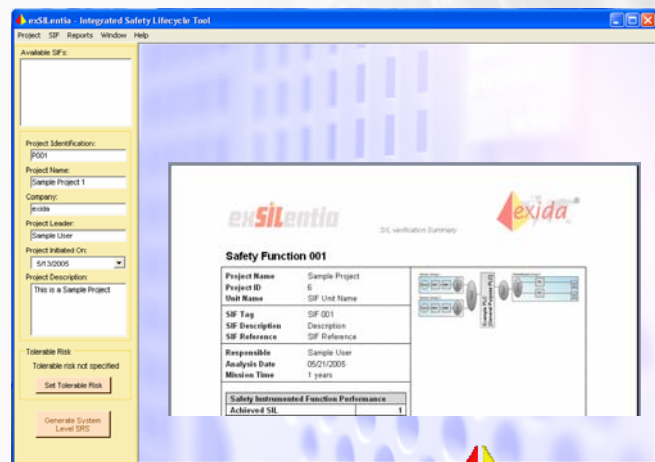
The exSILentia™ integrated Safety Lifecycle Engineering Tool is a powerful aid for any engineer involved in safety lifecycle tasks such as SIL selection, Safety Requirements Specification, and SIL verification. For users who are new to functional safety engineering or just want some additional guidance, exida developed a one-day training course to familiarize users with all facets of the exSILentia tool and ensuring efficient implementation of the Safety Lifecycle tasks.

Objective

To familiarize exSILentia users with tool features and general SIL selection and SIL verification concepts resulting in improved speed and efficiency of Safety Lifecycle tasks.

Target Audience

Individuals responsible for using exSILentia to perform Safety Lifecycle tasks. These individuals may include the Safety Lead, Conceptual Design Engineer, Requirements reviewer, or other people involved in completing the respective Safety Lifecycle tasks.



Schedule
For training schedule see
www.exSILentia.com



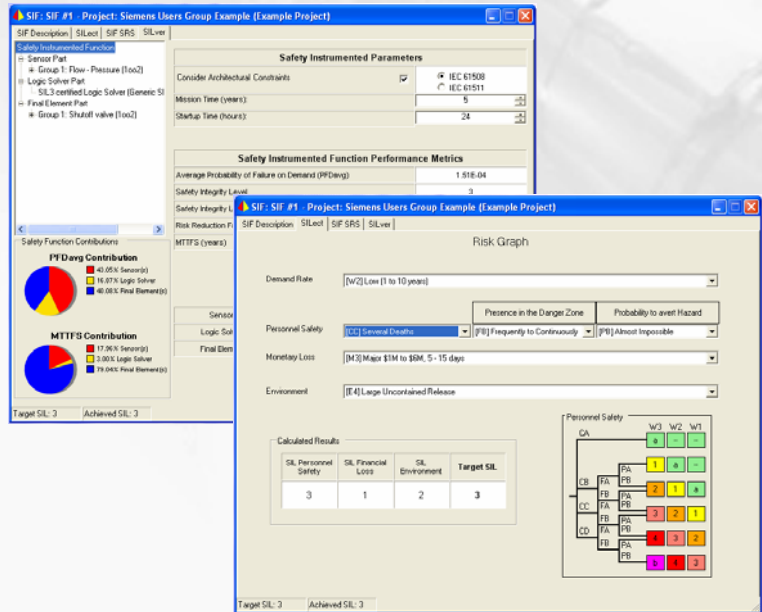
Prerequisite

Attendees should have a basic understanding of Windows-based software applications. General Safety Lifecycle knowledge is expected, i.e. the course will focus on the use of exSILentia and limit Functional Safety training. A limited number of computers will be available for use by the students. To increase course effectiveness it is suggested that students bring their own personal computer with exSILentia installed. Internet access will be provided so that exSILentia Online customers can access their accounts.



Course Contents

- Creating exSILentia projects
- Defining Safety Instrumented Functions
- Navigating projects
- Specifying project tolerable Risk for SIL selection
 - o Calibrating Risk Graph
 - o Calibrating Hazard Matrix
 - o Calibrating Frequency Based Target
- Performing SIL selection using the three methods
- Specifying Safety Requirements
- Creating a conceptual design
- Verifying the conceptual design
 - o Working with groups
 - Voting between groups / within groups
 - Reusing groups
 - Typical group parameters
 - o Selecting equipment from the Safety Equipment Reliability Handbook
 - o Entering custom reliability data
 - o Calculate achieved SIL based on PFDavg
 - o Determine achieved SIL based on architectural Constraints IEC 61508 / IEC 61511
 - o Discuss typical SIL verification parameters
- Generating reports
 - o SIF lists
 - o SILver Summary Reports
 - o Detailed Analysis Reports
- Exporting / Importing projects
 - o Providing project information to exSILentia Viewer users



Course Length

One day – 8:00 AM to 5:00 PM

Registration

Course attendance is limited, and classes are filled on a first-come first-served basis. Enrollment is confirmed upon receipt of payment. We recommend registering at least 4 weeks prior to course date.

Tuition

exSILentia Training per student US \$995

Purchase via exida online store, pre-payment is required

Discounts

(Limited to one discount per registration)

- Two or more employees from the same company attending the same course at the same time will receive a 10% discount off the total price
- Purchase a single exSILentia license in combination with the “exSILentia training” and receive a 25% discount on the tuition fee

Terms and Conditions

A 25% cancellation fee will be charged for cancellations less than four weeks prior to the course start date. No refunds can be given for cancellations less than two weeks prior to the course, although substitutions are allowed. Registration fees include course materials, coffee breaks, lunches, and a course certificate. Hotel, travel and other related expenses are the participant's responsibility. Hotel information and travel directions will be provided to registrants. Please let us know in advance if you have any special access or dietary needs. exida reserves the right to cancel courses, change course dates, course locations, prices, and course content at its sole discretion without notice.

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