



## aeShield for SIS Designers

Description: This course will teach more advanced concepts of aeShield terminology, how to change (add and edit) the design of safety systems, how to verify the achieved risk reduction factor (RRF), and the integrity level verification. The training will include knowledge transfer on where each piece of information in the Cause and Effect comes from, e.g. IPF vs. Component.

Course Length: 3 days

### Course Outline

- SIS Safety Lifecycle Overview
  - Generation of project level reporting
  - Report selection and filter options
- Integrity Level Calculation Overview
- SIF Editor Screen
- SIF List and IL Verification
- Equation Break Down
- Sample Calculation Activities
  - Introduction to SIF Template Editor
  - Creating a SIF Template from existing SIF
  - SIF Description
  - Creating a SIF Template from scratch
  - Creating SIF from Existing Template
  - Additional Voting Arrangements
- Safety Requirements Specification – Datasheet
  - SRS Datasheet editing
  - Generating an SRS
- Document Editing
- Managing Reliability Data

