



Applied Training

FSE300: Digital Transformation of Functional Safety for EPC-Driven Capital Projects

Duration: 1 Day

Time: 8:00 am – 4:00 pm UTC -4

Date: See online store

Location: Microsoft Teams

Cost: \$850 USD / Student

Course Outline

Learn how to apply digital-first workflows to streamline process / functional-safety deliverables in EPC driven projects:

- Overview of digital process / functional-safety data required for long term support of O&M
- Key data capture / management requirements for DX success
- Data-centric workflows & bulk data management best practices
- Expert-system templates for generating deliverables (SIL calcs, SRS, C&Es, Proof-test plans & SIF lists, etc.
- Case study: Real-world EPC implementation demonstrating streamlined data flows
- Performance metrics & continuous improvement:
- Benefits:
 - Efficiency gains,
 - Consistency & traceability
 - Faster decision-making:
 - Cost savings

Instructor – Mike Scott – PE, CFSE

CEO of aeShield which has developed a patented digital process / functional safety lifecycle enterprise software offering deployed in 283+ facilities across 42 countries. He has over 30 years of process / functional safety and I&C experience including risk analysis, safety instrumented systems and control systems engineering, where he performed / implemented conceptual design, detailed design, configuration, and startup / commissioning exercises for the process industry.

- Co-Chairman of the ISA S84 Committee
- IEC 61511 committee member
- Granted 7 patents on safety lifecycle tools and implementation
- ISA Fellow