

Power Generation Services

Siemens Power Academy – K-FSCUST
Plant Specific Functional Safety (Module 2)

Introduction

This plant-specific course is aimed at providing operation and maintenance teams with an enhanced understanding of safety instrumented systems in their plants. The training course is in line with the IEC61511 guidelines on the training requirements for plant personnel. Participants will refresh their knowledge on operation and maintenance of the safety systems in their specific plant and, where plant simulator is available, they practice how to deal with safety scenarios.

Course Content

All required instructional materials are provided to each student. The following topics are representative of those covered in the course. It is highly recommended to bundle this course with “Functional Safety for Power Plants,” Module 1, to gain general knowledge on functional safety concepts prior to attending this plant-specific course.

Functional Safety for Power Plants

- **Functional Safety Concepts** (reviewing understanding of functional safety)

- **Plant-Specific Safety Systems** (introducing the configuration of the safety system as utilised in the plant)
- **Plant Operation** (interfacing with safety systems, including HMI information provided by safety system and commands given by operators)
- **Plant Maintenance** (regular maintenance, trouble shooting, proof testing, management of change)
- **Hands-on; where possible** (practical work on dealing with safety scenario to prevent/minimise loss and damage)



Course Details

Location: Customer Site (site specific)

Size: Max 6 Participants

Duration: 2 to 4 days

Contact:

Siemens Energy Pty Ltd
Controls and Digitalisation

SCD Training Centre
Email: ppatraining.au@siemens.com