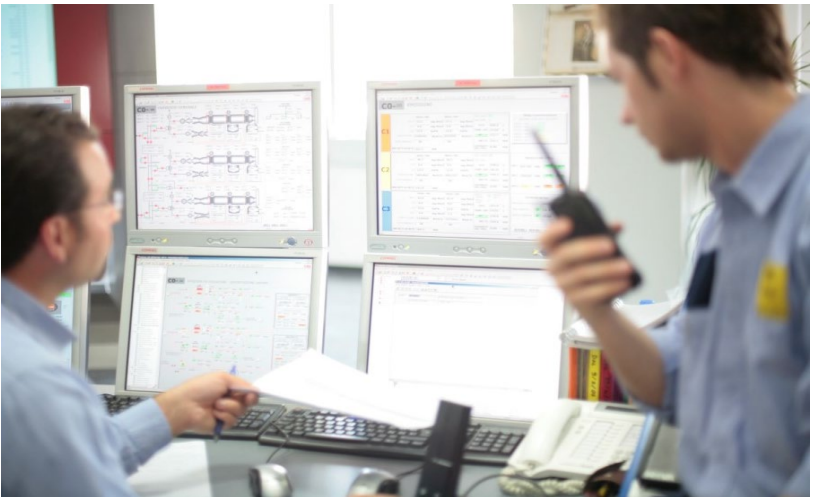
ABB UNIVERSITY COURSE DESCRIPTION

S437v

ABB Ability™ Symphony® Plus SCADA virtual training



Live online course with instructor in which you will learn all the most common features and functions available in ABB Ability™ Symphony® Plus SCADA for SCADA applications. The course includes hands-on sessions in a virtual environment allowing you to practice on a preconfigured system.

Course type and methods
This is an online instructor led course with interactive live discussions and associated lab exercises performed with a dedicated virtual cloud environment. Approximately 30% of the course is hands-on lab.

Student Profile
This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers, and system integrators.

Prerequisites
Students should have already experience with control systems engineering and commissioning.

Course objectives
Upon completion of this course the participants will be able to:

- Recognize a Symphony Plus SCADA system architecture and identify the functions of the different components
- Use the SCADA HMI and the integrated Information Management user interfaces
- Configure the data acquisition & Control with various protocols
- Configure HMI trends, alarms, displays
- Configure system users and security
- Apply the end-to-end engineering workflow from signal list to database tags and graphics
- Know the available SCADA functions like integrated Geographic Information System (GIS), Terminal Server Operation, Command Propagation, Command Gateway, Point of Control
- Use the powerful S+ Operations analytics engine (calculations)
- Know the S+ Operations edge connectivity to the cloud
- Know the license mechanism and the sales packages

Main topics

- Symphony Plus SCADA Overview
- Symphony Plus SCADA Architectures
- Symphony Plus SCADA security overview
- The High Performance HMI
- Data Acquisition & Control
- Advanced Alarm Management
- Integrated Information Management
- Mobile Operations
- Integrated GIS

Main topics (ctd)

- Remote Monitoring & Control Features
- Data Sharing Options with Third Party Systems
- SCADA Engineering Workflow
- System Setup & User Management
- System Drawing
- Signal Engineering
- Graphics Engineering
- HMI Configuration
- Configuration deployment
- End to End SCADA Workflow
- Analytics Engine
- Edge Computing & Big Data Analytics
- Licensing
- Offering Overview

Duration

The duration is 5 days, 4.5 hours per day (with a break of 15 min).

Course Outline

Day 1	Day 2	Day 3	Day 4	Day 5
• Symphony Plus SCADA Overview • Symphony Plus SCADA Architectures • Symphony Plus SCADA security overview • The High Performance HMI • Data Acquisition & Control • Advanced Alarm Management	• Integrated Information Management • Mobile Operations • Integrated GIS • Remote Monitoring & Control Features • Data Sharing with Third Party Systems	• Engineering Workflow • System Setup & User Management • System Drawing • Signal Engineering	• Graphics Engineering • HMI Configuration • Configuration deployment	• End to End SCADA Workflow • Analytics Engine • Edge Computing & Big Data Analytics • Licensing • Offerings

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