COURSE DESCRIPTION

S430
S+ Operations – SCADA application

The goal of this course is to learn how to design and configure S+ Operations HMI (Human Machine Interface) in SCADA applications.

Learning objectives
Upon completion of this course, students will be able to:
• Identify S+ Operations system architecture in SCADA application
• Apply basic system sizing criteria
• Install S+ Operations
• Configure security with user accounts
• Check and configure server redundancy
• Configure the operator workplace
• Configure time synchronization
• Configure and edit HMI database
• Configure process graphic displays and define navigation links
• Create graphic elements
• Manage and configure alarm and events
• Set up the historical data collection and configure trend displays
• Setup Web Client
• Configure third party communication with AC500/Universal Connect
• Understand S+ Operations support for PLC based store and forward functionality
• Configure Modbus TCP communication
• Configure IEC-60870-5-104 communication
• Configure OPC server and client
• Diagnose S+ Operations stations
• Configure historical reports and scheduler
• Execute project backup and restore
• Execute software and project upgrades

Prerequisites
Students should have a general understanding of process automation and basic knowledge of SCADA systems. Experience in dealing with and handling of current Microsoft operating system is an advantage.

Topics
• S+ Operations system architecture
• Software installation
• Composer Operations
• User security
• Server redundancy
• Operator workplace
• Time synchronization
• Tag database
• Control faceplates, alarm and events, trend displays
• Process graphics
• S+ Operations Historian
• Web client
• SCADA communication protocols
• System diagnostics
• Backup and restore
• Software upgrade

Course type and methods
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

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

Duration
9 1/2 days
### Agenda

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**ABB**  
Power Generation Training  
Email: IT-powergeneration.training@abb.com

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