T305
System 800xA - Administration & Installation

Learn how to install and administer an Extended Automation System 800xA. Plan a complete system architecture from top to bottom with hands-on lab activities.

Course type and methods
This is an instructor led workshop with short presentations and demonstrations, extended exercises, hands on sessions and discussion. Approximately 50% of the course is hands-on lab.

Student Profile
This training is targeted to system engineers, administrators and system integrators.

Prerequisites
Students should have attended either the Basic Configuration course T314 or one of the Engineering courses - T315C&H or T315F&H, or have knowledge and experience associated with the content of these courses. In addition, they should have attended the basic Microsoft courses for Windows Server or have equivalent experience.

Course objectives
Upon completion of this course the participants will be able to:
- Plan a complete system architecture and state the system limits
- Design and setup a redundant automation network
- Configure IT assets
- Create Windows users and configure the link to System 800xA
- Configure access rights on Windows and 800xA level

  with group policies, roles and permissions
- Lock down an Operator Workplace
- Setup audit trail functionality
- Configure and maintain redundant servers
- Set up clock synchronization to AC 800M
- Backup and restore complete 800xA systems
- Configure Windows Domains / Workgroups
- Install and license the System 800xA software
- Collect diagnostic log files

Main topics
- System architecture
- System planning
- Network setup
- PC & Network monitoring (IT assets)
- OPC communication
- 800xA security
- Operator Workplace restrictions
- Audit trail
- Server redundancy
- Time synchronization
- Backup / restore
- Domain setup
- System installation
- Diagnostics / Preventative maintenance

Duration
The duration is 5 days

Course Outline

Day 1	Day 2	Day 3	Day 4	Day 5
• Course overview	• OPC communication	• Audit trail	• Backup/restore	• System installation
• System architecture	• 800xA security	• Server redundancy	• Domain setup	• Diagnostics
• System planning	• Operator Workplace restrictions	• Time synchronization	• System installation	• Preventative maintenance
• Network setup		• Backup/restore		
• PC & Network monitoring				
• (IT assets)				