

T328

System 800xA with P14 Configuration



The goal of this course is to understand the system structure and to learn the configuration and maintenance of the Extended Automation System 800xA with P14.

Course Type

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.

Prerequisites

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

Learning objectives

Upon completion of this course the participant will be able to

- Plan an appropriate architecture for a system 800xA with P14
- Configure and maintain the communication between 800xA and P14 controllers
- Describe the system structure of the P14 Connect
- Navigate in the system and create new objects / aspects
- Build up a plant model
- Configure graphic displays and graphic elements

- Manage and configure alarm and events
- Configure historical data collection and trends
- Configure time synchronization
- Create and customize a workplace
- Configure user accounts and describe how access rights work
- Save and restore data
- Use bulk data handling

Topics

- System 800xA architecture with P14
- P14 Connect system structures
- Controller communication and Database integration
- Introduction to Plant Explorer and Engineering Workplace
- Fundamentals of Aspect Objects
- Plant modelling
- Graphic displays and elements
- Faceplates
- Alarm and Events
- Trend displays
- Historical data collection
- Workplace configuration
- User security
- Bulk data handling
- Time synchronization
- Import and export
- Backup and restore

Duration
5 days

Agenda				
Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	Controller communication	Plant modelling	Trends	Bulk data handling
System 800xA architecture with P14	Database integration	Graphic displays	Historical data collection	Time synchronization
800xA Operation	Data flow between databases	Graphic elements	User security	Import and export
P14 Connect system structures	Introduction to Plant Explorer, Engineering Workplace	Faceplates	Workplace configuration	Backup and Restore
	Fundamentals of Aspect Objects	Alarm and Events		

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