

## T221

# System 800xA with AC 400 Maintenance and Troubleshooting



The course goal is to teach students maintain and repair a running Advant Controller 410 and 450. You will learn the concept, design, and item designation of AC410/450.

### 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.

### Student Profile

The course is targeted towards maintenance technicians

### Prerequisites

Basic knowledge of electrical functions.

### Course objectives

Upon completing of this course the participants will be able to:

- Localize faults in installations and trace signals into and out of an Advant Controller 400.
- Describe the meaning of the status LED's.
- Replace input and output circuit boards.
- Operate Process Portal A.
- Describe data contained in status displays on Process Portal A.
- Use Advant OCS diagnostics when localizing faults

### Duration

The duration is 5 days

### Main topics

- Reading Advant Controller 400 standard diagrams.
- Database structure.
- Programming language.
- Using the configuration and maintenance tools for basic fault location

Course Outline				
Day 1	Day 2	Day 3	Day 4	Day 5
Course Information	Review Q/A Session	Review Q/A Session	Review Q/A Session	Review Q/A Session
Training Equipment	Advabuild /AMPL Control	DAT Communication	System Status	Fault Tracing
Presentation	Configuration /Control	between PC	Exercise 14	Summary and
Operator Workplace	builder A, On-line Builder	Programs	Status Lists	Evaluation
Exercise 1 and 2	Exercise 3	Exercise 8	Exercise 15	
	Database Handling	Cabinet	Power Supply	
	Exercise 4	Configuration and	Exercise 16	
	PC Program Structure	Item Designation	MasterNet	
	Exercise 5 and 6	Exercise 9	Exercise 17	
	Object Control Using	S100 I/O	Basic Unit	
	Functional Units	Exercise 10	Exercise 18	
	Exercise 7	S800 I/O and	Advant Controller	
		Advant Fieldbus 100	400 Maintenance	
		Exercise 11		
		Event and Alarm		
		(demo)		
		System Status		