

Course description

H162D – PMC800 Electrical Maintenance

Course type and description

This is a classroom course with hands-on lab activities supported by an instructor.

Prerequisites

- Knowledge of a specific paper machine
- Basic knowledge of electronics
- Experience in using a Windows PC

Course duration

The course duration is 2 days.

Student profile

This course is intended for electricians, technicians, and engineers who maintain and service paper machine electronics.

Course goal

The goal of this course is to learn how to change main components of ACS880 drives, AC800M controllers and Operator Panels in the onsite environment.

Course objectives

Upon completion of this course, students will be able to:

- Maintain PMC800 systems
- Locate and replace faulty components

Main topics

- Delivered PMC800 system configuration
- System documentation
- ACS880 multidrive
- Hardware and software
- Tool programs
- Replacing modules
- AC800M (Application Program Controller)
- Control Builder configuration tool
- Replacing the Operator Panel
- Troubleshooting within the PMC800 system

Low voltage drives training

ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Course agenda

H162D – PMC800 Electrical Maintenance

Day 1	08:30	Introduction of the course
	08:45	System presentation
	09:45	Break
	10:00	PMC800 HW documentation
	11:00	Use of Drive composer <ul style="list-style-type: none">- Introduction to the PC-tool- Exercises
	12:00	Lunch
	13:00	Use and maintenance of the control panel <ul style="list-style-type: none">- Operating and SW-loading- Exercises
	13:45	Break
	14:00	Plant Explorer and Control Builder Professional <ul style="list-style-type: none">- Introduction to the PC-tool- Opening, loading, backup and restore- Exercises
	16:00	
	Day 2	08.30
09.15		PMC800 control functions
10.00		Break
10.15		Speed reference chain
10.45		Drive Control Concept
11.15		SW configuration
12.00		Lunch
13.00		SW structure and measurements with Control Builder <ul style="list-style-type: none">- Exercises
14.00		Break
14.15		Communication <ul style="list-style-type: none">- Principles and settings
14.30		PMC800 Datalogger
14.45		Maintenance <ul style="list-style-type: none">- Safety- Maintenance intervals- Module replacements
16.00		