**COURSE DESCRIPTION**

**CHP434**

**Progress 3 Basics and Application**

**Course goal**
The course goal is to prepare students for the application of Progress 3 planning and service tool in the field of Plant Automation Applications.

**Main learning objectives**
The participants will be able to:
- Understand Progress 3 system functions
- Generate and modify functional diagrams
- Generate programs and loading processors
- Monitor and simulate signals online

**Participant profile**
Maintenance, service, application, system and process engineers.

**Prerequisites**
Engineering degree, technical college qualifications or equivalent. General knowledge on automation and control systems.

Required courses or relevant experience:
- CHP433

**Topics**
- Introduction:
  - System overview, PC Hardware, operating system, interfaces to control system
- Engineering:
  - Entering and verification of engineering information
  - Input / Outputs, functions, signal-network, bus structure
- Load modules:
  - Code generation, loading processors, programming EPROMs
- Debugger:
  - Functions, handling instructions, recording of process signals
- Application example:
  - initializing, main menu, functional diagram editor, hardware editor

**Course type**
This is a face to face class room training with maximum 6 participants.

**Learning methods and tools**
Lectures, demonstrations, practical exercises and approx. 60% of the course is hands-on activities. Laptop or tablet is required to have access to the e-documentation.

**Duration**
4 days for beginners, without knowledge on Progress 2
2 days, if trainees are already familiar with previous Tool Progress 2

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