A360 Advant OCS Configuration using Functional Units

Course Description

Course Duration
The duration is 5 days.

Course Type
This is an instructor led course. Approximately 50% of the time is used for hands-on labs and exercises.

Course Goal
The course goal is to teach students how to configure effective application programs with the help of AMPL and functional units.

Student Profile
System, process, application, instrumentation, electrical, or service engineers.

Prerequisites and Recommendations
Students attending this course should have knowledge corresponding to courses A331 and A351.

Course Objectives
Upon completion of this course, students will be able to:
- Implement a PID control loop
- Implement linear control for non-linear input/output signals
- Implement digital control of motors and valves
- Implement user designed control
- Implement control sequences and group starts
- Change database and program parameters
- Transfer programs between systems using source code.

Main Topics
- Review of database and PC programming and configuration
- Non-linear signal control
- (PIDCON) configurations and options
- (PIDCONA) Overview
- Ratio Station configuration (RATIOSTN)
- Manual Station Configuration (MANSTN)
- General controllers (GENCON) with users defined algorithms and schemes
- Motor Controllers (MOTCON)
- Valve Controllers (VALVECON)
- Sequences (SEQ)
- Source code handling.