



Advanced Control Concepts

Course Code

ACC

Course Overview

A 1-day instructor led course combining theory and hands-on tutorials. Participants will explore the advanced control functions available in Centum VP and theory relating to the implementation of non-linear and self-tuning control. Control with inherent process dead-time and its challenges will also be explored.

Who Can Take This Course

Engineers involved in implementing difficult and complex control strategies on the CENTUM VP system.

Participants should attend the CENTUM VP Engineering course prior to attending this course.

Course Methodology

Lecture, discussions and hands-on tutorials.

Course Outline

You will learn

Day 1 – Part I

- Theoretical Concepts
- Standard PID control functions
- Gap width control
- Hands-on tutorial: Gap width control application
- Error squared control
- Hands-on tutorial: Error squared control application
- Deadband control

Day 1 – Part II

- Other control functions
- PI-Hold control
- Manual reset control
- Self-tuning control
- Hands-on tutorial: Using self-tuning control
- Hands-on tutorial: Various methods of controlling a process with dead time

Certification

Participants who attain at least 75% attendance will be awarded Certificate of Attendance

Duration and Timing

1 day

Morning sessions: 9am – 12pm

Afternoon session: 1pm - 4pm

Venue

Yokogawa Australia Offices

Or

On site by special arrangement



Enquiries

Training Manager Sydney
Switchboard: +61 (0)2 8870 1100
Facsimile: +61 (0)2 8870 1111
Email: Training@au.yokogawa.com

Training Centres in Australia Sydney

Tower A, Level 2
112-18 Talavera Road
Macquarie Park, NSW, 2113

Brisbane

18A Metroplex Avenue
Murarrie, QLD, 4172

Melbourne

Level 1, 211C Wellington Road
Mulgrave, VIC 3170

Perth

Unit 1, 115 Belmont Avenue
Belmont, WA, 6104

Website

<https://www.yokogawa.com/au/cp/trainingcentre.htm>