CENTUM VP AD Suite Engineering

Course Code
VPAD

Course Overview
This 5-day course enables participants to learn to perform module-based engineering by using Automation Design (AD) Suite. AD Suite handles design information, control logic, alarm attributes, and attachments as one module.

Who Can Take This Course
For engineers who are involved in module-based engineering or modification on the Centum VP AD Suite system. Participants should have attended CENTUM VP Engineering course.

Course Methodology
Lectures, demonstrations, discussions and practical exercises.

Course Outline
You will learn

Lesson 1: System Configuration
- Familiarize the concept of AD Suite
- Understand the Engineering Methods the AD Suite Provides
- Define what AD Server and System Builders are
- Create VP Project
- Define Project Common Items such as User Security, Operation Mark, Engineering Units and Switch Position Label
- Create AD Project
- Register VP Project to AD Project

Lesson 2: IO List and IOM
- Understand the Flow of Module-based Engineering
- Create Process I/O List
- Define IOM
- Perform VP Generation
- Create Grid Rules

Lesson 3: Module Configuration
- Understand the Flow of Module-based Engineering
- Create Class Module
- Import Class Module
- Create Application Module by instantiation

Lesson 4: Switches and Message of FCS
- Create Class and Application Module using Sequence Table, Logic Chart, General-purpose Calculation Block, SFC
- Define Reference Tags
- Define Common Switch
- Define Annunciator Message
- Define Operator Guide Message
- Define Printout Message

Lesson 5: History and Change Management
- Understand the concept of Change Management in AD Suite
- Create ModPack
- Implement the change request in the ModPack

Lesson 6: Document Generation
- Create Document using the Document Generation function of AD Suite

Lesson 7: Downloading
- Download the VP Project to FCS and HIS
- Send and receive actual signal from the Analog/Digital I/O module and monitor and control this in the HIS.

Lesson 8: Backup of ADMDB
- Perform Tuning Parameter Save
- Perform backup and restore of ADMDB (Automation Design Master Database)

Lesson 9: Course Project
- Demonstrate the proficiency level attained by completing the exercises introduced during this lesson. This will be accomplished by creating Class Module and Application Module based on the specified requirement of the course project.

Duration
5 days.

Certification
Participant who attains at least 75% attendance will be awarded Certificate of Attendance.

Venue
Yokogawa Engineering Asia Pte. Ltd. 5 Bedok South Road
Singapore 469270

Enquiries
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Refund Policy Statement
Request for withdrawal must be made in writing to Yokogawa Engineering Asia Pte Ltd. Candidate under sponsorship of company must submit withdrawal request written by authorized representative of company. Refund will only be given on advanced notice from course commencement date.

Refund Scheme

Written Notice of Withdrawal is received	Percentage of Refund
Two weeks or more prior to course commencement date	100%
Less than two weeks prior to course commencement date	50%
On or after the course commencement	0%

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