

# CENTUM VP AD Suite Engineering

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.

<b>Who should attend?</b>	Engineers involved in module-based engineering of modification on the CENTUM VP R6 AD Suite system.
<b>Prerequisite</b>	Participants should have attended CENTUM VP R6 Engineering course.
<b>Programme</b>	<p><b>Lesson 1: System Configuration</b></p> <ul style="list-style-type: none"> <li>• Familiarize the concept of AD Suite</li> <li>• Understand the Engineering Methods the AD Suite Provides</li> <li>• Define what is AD Server and System Builders</li> <li>• Create and register VP Project / AD Suite</li> <li>• Define Project Common Items such as User Security, Operation Mark, Engineering Units and Switch Position Label</li> </ul> <p><b>Lesson 2: IO List and IOM</b></p> <ul style="list-style-type: none"> <li>• Understand the Flow of Module-based Engineering</li> <li>• Create Process I/O List / Define IOM / Perform VP Generation</li> <li>• Create Grid Rules</li> </ul> <p><b>Lesson 3: Module Configuration</b></p> <ul style="list-style-type: none"> <li>• Understand the Flow of Module-based Engineering</li> <li>• Create Class Module / Import Class Module /</li> <li>• Create Application Module by instantiation</li> </ul> <p><b>Lesson 4: Switches and Message of FCS</b></p> <ul style="list-style-type: none"> <li>• Create Class and Application Module using Sequence Table, Logic Chart, General-purpose Calculation Block, SFC</li> <li>• Define Reference Tags / Common Switch / Annunciator Message</li> <li>• Define Operator Guide Message / Printout Message</li> </ul>

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## **Lesson 5 / 6:** Modpack Management / Document Generation

- Understand the concept of Change Management in AD Suite
- Create ModPack / Implement the change request in the ModPack
- Create Document using the Document Generation function of AD Suite

## **Lesson 7 / 8:** Downloading / Backup of ADMDB

- Download the VP Project to FCS and HIS
- 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

### **More information**

This 5-days training is held online or in a Yokogawa training facility (e.g. in YEF-NL Amersfoort). The training language is English or Dutch depending on the audience and trainer. For more information or would you like to sign-up for this training please sent your request to [training@nl.yokogawa.com](mailto:training@nl.yokogawa.com).