Centum VP Maintenance (CVPM)

Objectivity	This course is designed to give participants have knowledge and understanding how to available maintenance the hardware and software of the Centum VP system.By the end of this course,the participants will be able to perform front-end maintenance of the Centum VP system.
Training period	2 Days
Time	9.00 - 16.30 pm
Avenue	Yokogawa (Thailand) Ltd. Bangkok Office (Rama 9) and Rayong Branch Office (Maptaput)
Instructor	IAEC trainers, Engineer, Yokogawa (Thailand) Ltd.
Participant	For Centum VP engineers and technicians who need to perform maintenance on the Centum VP system.
Requirement	Participants should have attended Centum VP Operation and Engineering Course.
Maximum	12 Participants

Course Outline detail

Day	Morning (09.00 to 12.00)	Afternoon (13.00 to 16.30)

1st	**- Centum VP System Overview, Configuration and Networking**
	  - FCS Type: KFCS, FFCS, LFCS, PFCS, FFCS-L
	  - Node Type: Local and Remote Node
	  - IO Type: FIO and RIO
	  - Networking: Vnet and Vnet/IP
	- Software Installation
	  - Installation/Uninstallation Software
	  - Installation/Uninstallation Control Bus Driver
	  - Window Setup and Configuration
	  - Network Setup
	  - Wiring of Control Bus
	- Off-line and On-line Project Database Download
		- Laboratory work :
		  - Installation/Uninstallation Hardware
		  - Software Installation
		    - Window Setup and Configuration
		    - Network Setup (Control Bus and Ethernet)
		    - Uninstallation Software
		    - Installation Software
		- Download Project Database

2nd	**- Backup and Restore Project Procedure**
	  - Backup Project Database
	  - Backup Project by HIS Tool
	  - Backup Centum VP Folder
	  - Backup Report Package File Folder
	  - Backup Trend File Folder
	  - Backup Long Term Data Folder
	  - Backup Registry
	  - Backup Keycode for each station
	  - Backup All driver
	- Mandatory Replacement for FCS and Accessories
	  - CPU Card and IO Card
	  - Vnet,Vnet/IP Card and Vnet Coupler
	  - Battery Unit, Lamps, Air Filter and Fan Unit
	- Troubleshooting
	  - HIS Communication and Functions
	  - IOM and Overall Window
	  - Network Status Display Box
	    - Network, Ethernet and Control Bus
	  - FCS Tool, HIS Tool and Network Tool
		- Laboratory work :
		  - Backup Project Database and Others
		  - Troubleshooting
		    - IOM Download
		    - Ethernet and Control Bus Check Error
		    - HIS Tool and Network Tool

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