

CENTUM VP Operation (CVP/O)

Objectivity	This course is designed to give participants have knowledge and understanding how to available operate and monitor process variable, process status, system status and other data including basic system administration maintenance which operators should know it by via the operation and monitoring windows of the CENTUM VP system.
Training period	3 Days
Time	9:00 a.m. – 4:30 p.m.
Avenue	Yokogawa (Thailand) Ltd. Bangkok Office (Rama 9) and Rayong Branch Office (Maptaphut).
Instructor	IAEC trainers, Engineer, Yokogawa (Thailand) Ltd.
Participant	1.CENTUM VP Operators who must operate and monitor CENTUM VP System 2.CENTUM VP Engineering and Maintenance Engineer need to participate this course <i>for understanding and know CENTUM VP operation and monitoring procedure before participation CENTUM VP Engineering and Maintenance course</i>
Requirement	Participants should preferably have some basic knowledge on process measurement and control.
Minimum no. of pax	4 - 12 Participants

Course outline detail

Day	Morning (09:00a.m. – 12:00 p.m.)	Afternoon (01:00 p.m. – 4:30 p.m.)
1st	<ul style="list-style-type: none"> - Basic Loop Control - CENTUM VP System Overview - Operation and Monitoring Windows <ul style="list-style-type: none"> - Operation and Monitoring Window Overview - Basic Windows for Operation and Monitoring - System Message Banner - Browser Bar <ul style="list-style-type: none"> - Overview Toolbox - Preset Menu Toolbox - Tool Button Toolbox - Name Input Toolbox - Window History Toolbox - Displaying Browser Bar Using the Operation Keyboard 	<ul style="list-style-type: none"> - Windows Convenient for Operation and Monitoring <ul style="list-style-type: none"> - Process Alarm View - Operator Guide View - Message Monitor Window - Circulate - Clear All - Buzzer Reset - Hard Copy - Graphic View - Help Window - Device Viewer - CAMS for HIS Message Monitor View - Laboratory work : <ul style="list-style-type: none"> - Labs of operation and Monitoring
2nd	<ul style="list-style-type: none"> - Windows Convenient for Operation and Monitoring <ul style="list-style-type: none"> - Regulatory Control Windows - Tuning View - Faceplate View - Trend View - Control Drawing View 	<ul style="list-style-type: none"> - Windows Convenient for Operation and Monitoring <ul style="list-style-type: none"> - Sequence Control Windows - Sequence Table View - Logic Chart View - Laboratory work : <ul style="list-style-type: none"> - Labs of operation and Monitoring
3rd	<ul style="list-style-type: none"> - Windows for System Administration <ul style="list-style-type: none"> - System Status Overview View - HIS Status Display View - FCS Status Display View - System Alarm View - HIS Setup Window 	<ul style="list-style-type: none"> - Windows for Process Status and Operation Record Confirmation <ul style="list-style-type: none"> - Process Report View - Historical Message Report Window - Security Function - Laboratory work : <ul style="list-style-type: none"> - Labs of operation and Monitoring

CENTUM VP Maintenance (CVP/M)

Objectivity	This course is designed to give participants 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 a.m. – 4:30 p.m.
Avenue	Yokogawa (Thailand) Ltd. Bangkok Office (Rama 9) and Rayong Branch Office (Maptaphut).
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.
Minimum no. of pax	4 - 12 Participants

Course outline detail

Day	Morning (09:00a.m. – 12:00 p.m.)	Afternoon (01:00 p.m. – 4:30 p.m.)
1st	<ul style="list-style-type: none"> - 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 - Off-line and On-line Project Database Download 	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - Laboratory work : - Backup Project Database and Others - Troubleshooting - IOM Download - Ethernet and Control Bus Check Error - HIS Tool and Network Tool