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Operator Interface Programming - QuickPanel & View - 7702

Course Description

The Operator Interface Programming - QuickPanel & View course familiarizes the student with operating in the PACView Machine Edition development environment, the QuickPanel+ machine level operator interface, creating operator interface graphical panels, writing scripts, configuring alarm & logging schemes, and running Projects on the operator interface device.

Students are also introduced to the built-in Data Historian, Web Publishing, and Web Documents. An experienced instructor guides the student using demonstrations and hands on lab exercises

Who Should Attend?

This course is designed for programmers, operators, and application designers who are beginning to work with the QuickPanel+ Operator Interface that is programmed using View, who will be tasked with developing, modifying, and maintaining Operator Interface applications.

Are There Any Prerequisites?

Participants should be comfortable operating in a Microsoft Windows environment, and have a basic understanding of control fundamentals.

Training Details

- Duration: 24 Hours
- Delivery: Classroom, Onsite, Virtual
- Part #: 7702/7702V
- Suggested Class Size: 10 Students
- CEUs: 2.4

Topics:

- Describe the basic functions and benefits of a machine level operator interface
- Identify and navigate the various components of the Machine Edition Development Environment
- Create, open, and modify View Operator Interface Projects using the various Machine Edition tools
- Utilize the Panel Editor and drawing tools to generate, animate, and control OI graphical Panels
- Create Application, Panel, and Button Scripts, utilizing help tools to find commands, keywords, and functions
- Configure Alarm Group
- Log and analyze data
- Configure security for users and access the advanced features of the View Runtime
- Configure information for Web Access using Web Publishing
- Create Custom Web documents for access by remote clients
- Configure the View Historian Collector to archive device data
- Download Operator Interface Applications to the QuickPanel+ operator interface



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Course Topics

Introduction to Operator Interfaces

- Basic HMI Types, Benefits of an Operator Interface
- Introduction to QuickPanel+ and to View
- Open HMI Project, Download and Run on QuickPanel+

Operating PAC Machine Edition

- Use the Machine Edition environment and its tools: Navigator, Inspector, Companion, Editor Workspace, Feedback Zone, Data Watch, InfoViewer, and Toolchest
- Use the Toolchest for HMI development
- Create a new Project with Logic and HMI Components
- Download and Run Project Using the Simulator
- Going Online and use the Quick Test
- Download and Run Project on QuickPanel+
- Map the Machine Edition Controller's I/O

Create HMI Project

- Create Project using a Project Template
- Working with View Targets in a Project
- Configure PLC Access Drivers
- Use Variables shared from a Controller Project
- Validate and Download Project

HMI Development Tools

- Build Operator Interface Panels using the PAC View Graphic Editor and graphic drawing tools
- Use Basic, Dynamic, Interactive, and Complex graphical objects
- Animate objects and modify their appearance
- Use Indexed Image and Message Grids
- Create and Download an HMI Project Process Summary screen

Scripting

- Recognize how to apply scripts
- Find help for scripting language commands, keywords, and functions
- Create Panel, Application, and Touch Animation scripts
- Validate, Run, & Debug an Active Script

Logging and Analyzing Data

- Create Logging Groups
- Assign Project Variables to logging groups
- Create a Chart object and view real-time data
- Configure the View Historian Collector to archive device data

Alarms

- Differentiate variable alarm categories
- Create and configure alarm groups
- Assign alarms and alarm limits to Project Variables
- Log Alarm Data and Track Alarm Events
- Set up an alarm history file

PAC View Runtime

- Understand View Runtime basic operation and security
- Access View Runtime advanced features: Animation Inspector, Script Debugger, Variable Inspector, and Driver Communication Monitor

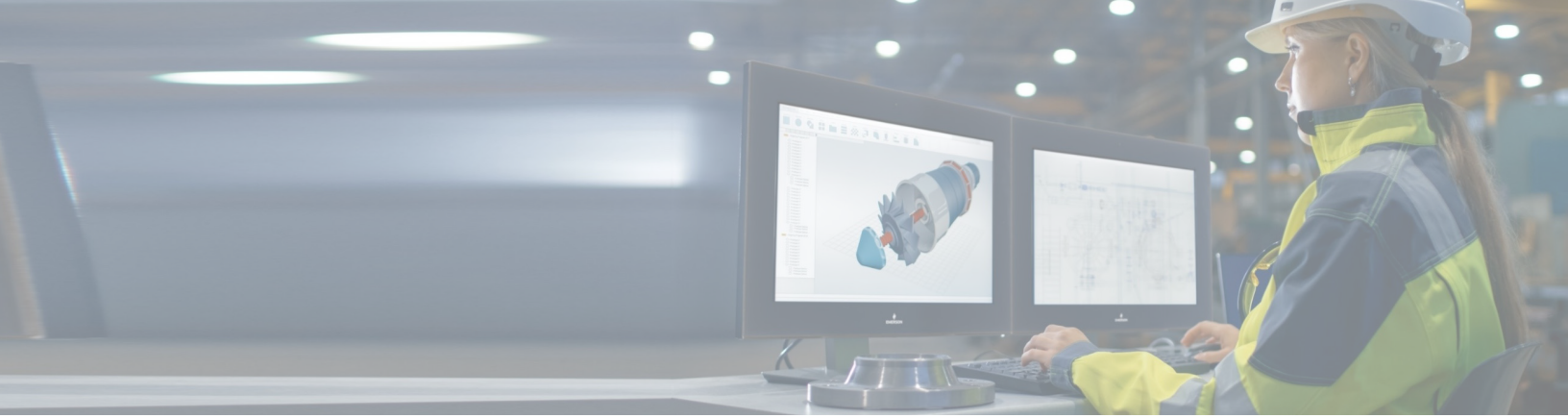
Web Publishing and Web Access

- Configure content for Web Access by publishing data
- Create custom Web Documents
- Interact with Project data through remote viewing

Conversion to QuickPanel+

- QuickPanel to QuickPanel+ conversion considerations
- Convert QuickPanel Project to QuickPanel+





Registration Information

To register online: Click here, [MyTraining](#)

To register by phone: Call Emerson Educational Services at **1-800-338-8158**

For additional questions or a list of courses, please visit www.Emerson.com/Education

Purchase order or credit card required for enrollment.

Credit cards preferred: Most major credit cards accepted.



Purchase orders must be made out to:

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Please Include on PO: Student's Name, Course Number

Emerson's Payment Terms (Net 30 Days), and Course Tuition Price

Please email all purchase orders to Education@Emerson.com

Please Note: To complete the registration process, attendees must register through [MyTraining](#) or call the registration center (800-338-8158). Only receipt of purchase order guarantees a seat.

Cancellations

You may cancel your reservations up to 14 calendar days prior to the start of the course without incurring a cancellation fee. 50 percent of the full tuition will be charged for cancellations received during the 14 days prior to the start of the course, and full tuition will be charged for failure to attend without cancelling. Substitutions are accepted until the first day of class. Scheduled courses may be cancelled due to low enrollment.

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