



PLC Operator Interface Programming QuickPanel & View - 7702

- **Course #7702**
- **CEUs 0**
- **Venue Virtual**

Overview

The Operator Interface Programming - QuickPanel & View course familiarizes the student with operating in the Proficy View 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.

Prerequisites

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

Topics

Introduction to Operator Interfaces

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

Operating Proficy Machine Edition

- Use the Machine Edition environment and its tools: Navigator, Inspector, Companion, Editor Workspace, Feedback Zone, Data Watch, InfoViewer, & 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 an HMI Project

- Working with View Targets in a Project.
- Configure PLC Access Drivers.
- Use Variables shared from a Controller Project.

HMI Development Tools

- Build Operator Interface Panels using the Proficy 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, & functions.
- Create Panel, Application, & Touch Animation scripts.
- Validate, Run, & Debug an Active Script.

Logging and Analyzing Data

- Create Logging Groups.
- Assign Project Variables to logging groups.
- Use TrendX chart to view logged data.
- 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.

Web Publishing and 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+.
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