



Course Outline

SCADA Software Operation & Configuration

In this course, VTS/VTScada operators and developers create working VTS applications from start to finish.

Day 1: Use of VTS/VTScada for Operations

- Introduction to VTS and VTScada
- VTS Layers
- VTS Connectivity Support
- Installation
- The VTS Application Manager (VAM)
- Page Navigation
- Security Manager
- Alarms
- Historical Data Viewer (HDV)

Day 2: Developing VTS Applications

- The Configuration Toolbox
- The VTS Graphic Editor
- Graphic organization tools
- The Communications Chain
- Adding tags
 - *Configuring*
 - *Drawing*
 - *User-Defined Drawing Methods*
- Adding Text
- Adding Pages & hotboxes
- Menu Customization
- Manual & Questionable Data
- Using the VTS database
- Editing Page Source Files

Day 3: Alarms, Control and Monitoring

- Adding Alarms
- Trip Alarms vs. Level Alarms
- System Control Tools
- System Monitoring Tools
- Working with the Historical Data Viewer
- Adding Operator Notes
- Exporting Historical Data

- Report Features
- The VTS Privilege and Security System
 - *Adding and modifying user accounts*
 - *Account privileges*
 - *Application-specific privileges*
- VTScada Applications
- Polling Drivers
- Status Tags
- Totalizer & Calculation Tags

Day 4: Networking, Modems & Troubleshooting

- Configuration and Service Servers
- Designating Primary and Backup servers
- Building a Networked VTScada Application
 - *Getting an Application from a Server*
 - *Configuration Updates*
- VTS and the Internet
 - *Configuring a VTS Internet Server (VTS/IS)*
 - *Connecting as a VTS Internet Client (VIC)*
- Modems
 - *Setting Dialer Pronunciation*
 - *Configuring Dialer Options*
 - *Alarm Dialer Configuration*
 - *Configuring a Dial-out Roster*
 - *Modem Security*
 - *Modem Diagnostics*
- VTS/VTScada Diagnostic Techniques

Day 5: Customizing VTS/VTScada

- Calculation Tags
- The Expression Editor
- Examining a Tag's Value
- Comparing Values
- Multiple Comparisons

Bonus Project: The Oven Fan Controller

Reserve a Seat for an Upcoming Course:

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