



## Course Outline

### *Advanced Configuration and Programming*

In this course, VTS/VTScada programmers (and advanced developers) will use the VTS scripting language to do advanced customization & configuration.

#### **Day 1: First Level Customization**

- Review: VTS Basics
- Configuration Files
  - Display Settings
  - OEM Settings
- Adding Bitmaps
- Using Expressions in Tags
- Variables and Operators
- User Drawing Methods and Parameterized Pages.

#### **Day 2: VTS Coding Concepts**

- Using the Programmer's Guide
- AppMod.src
- Statements
- States
- The Calculation Tag
- Scripts
- Modules
- Parameters & Variables
- Basic Debugging Tools

#### **Day 3: Tags, Pages & Graphics**

- Building a Page Source File
- VTS Graphic Functions
- Building a Tag
- Templates
- Adding a new Tag Drawing Method

#### **Day 4: Advanced Programming**

- Adding extra functions to custom tags (Alarms, Security, etc)
- Child Tags
- Working with VTS Services
- Building an OEM Application
- Tag I/O
- File and Database I/O
- Building Your Own Reports

#### **Day 5: Practice / Review / Bonus Topics**

- The final day of the course is set aside to allow students time to review and practice what they have learned.
- Additional topics may be covered if requested and time allows

#### **Reserve a Seat for an Upcoming Course:**

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