Course Outline: VTScada Advanced Configuration

In this course, VTScada developers learn advanced configuration techniques to take full advantage of VTScada’s power.

**Day 1**
- Review of VTScada features and concepts
- Configuration properties to control how VTScada looks and works
- Using workstation-specific properties
- Advanced use of expressions (programming) to enhance tags and widgets

**Day 2**
- Context tags in detail
- Sites and Connectors
- Create complex multi-tag structures for re-use
- Create custom widgets / Elements of high performance HMI
- Parameterized pages. Build a screen once to use many times
- Use tabbed folders in your display screens

**Day 3**
- Advanced security management and customization
- Using Windows security integration
- Realm-Area Filtering
- Tag-Area Filtering and Alarm-Area Filtering
- Creating reports in VTScada including:
  - Control what data is collected and how it is stored
  - Standard reporting features
  - Using Excel templates
  - Configure the OBDC interface SQL queries of VTScada data

**Day 4**
- Create and use OEM layers to protect portions of your application or distribute custom tools to other sites
- Understand ChangeSets and the VTScada version control repository
- Using the VTScada utility applications to diagnose problems in your application
- Introduction to the VTScada scripting language.

Depending on available time and student interest, additional topics may be covered. It is assumed that participants know the basic features of VTScada as covered in the Operations and Configuration course.

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