

# COURSE DESCRIPTION

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## EcoStruxure PowerSCADA Operation (PSO) 9.x Project Deployment for System Integrators

### Overview

The PowerSCADA Operation Deployment course provides students with the resources to successfully commission a basic PSO system. Students will collect information from the customer, prepare the server and operating system, install PowerSCADA Operation, and program the software to meet the customer's needs.

### Duration

4 Days (M-W 8am-5pm / Th 8am-3pm). *Please book departing flights for 5pm or later on the last day of class.*

### Who should attend

This training course is an integral part of the complete Schneider Academy curriculum. This course is designed for:

- Solution Application Engineer
- System Integrator / Partner
- Services Engineer / Technical Support L1/L2/L3

### Prerequisites

- Be familiar with the concepts of power monitoring
- Be familiar with the concepts of energy management
- Be familiar with Microsoft Windows
- Have basic knowledge in networking and communication

## Students will be able to

- ❑ Describe the architecture of a PowerSCADA Operation system
- ❑ Describe the commissioning steps to deploy PowerSCADA Operation
- ❑ Perform an installation of Power Monitoring Expert
- ❑ Develop custom Modbus device types and profiles
- ❑ Add devices to PowerSCADA Operation per the customer's network architecture
- ❑ Design and create custom graphic screens to display system data
- ❑ Display meter data in PSO Basic Reports
- ❑ Integrate Power Monitoring Expert reports and dashboards into PowerSCADA Operation
- ❑ Configure a PSO project to run on a redundant pair of servers

## Agenda

### Day 1 Topics

**Understand the PowerSCADA architecture**

**Install the PowerSCADA software**

**Explore the configuration environment**

**Run the project setup wizard**

### Day 2 Topics

**Backup, restore, and manage a project**

**Create a custom device profile**

**Build and configure graphic screens**

**Manage custom pages within the menu system**

## **Day 3 Topics**

**Build and configure a one-line diagram**

**Understand how alarms are created**

**View historical trend data inside PowerSCADA**

**Explore Advanced Reports and Dashboards**

## **Day 4 Topics**

**Capture and view waveforms**

**Configure and run the web client**

**Explore the redundant options within PowerSCADA**