EcoStruxure Power Monitoring Expert (PME) 9.x Advanced Programming – Logging and Alarming

Overview

This advanced programming course focuses on system and device level customization using the *Designer* interface in PME software. Students will be guided through a series of lab activities to creating custom applications for equipment monitoring, alarming and logging. Students will learn to program the *Virtual ION Processor* (VIP) for special applications such as logging, and alarming.

Duration

2 hours

Who should attend

This course is designed for anyone who works with a PME system and has reasonable knowledge of the default functions of ION meters and PME software. This course may be appropriate for meter/instrumentation technicians, system engineers and system integrators who need to learn how to get the most out of their PME software and associated meters.

Prerequisites

☐ Working knowledge of PME software, especially experience using *Vista*

☐ Working knowledge of the default capabilities of ION meters

☐ General computer skills and basic working experience with Microsoft Windows

☐ Completion of a PME Fundamentals or Overview course is recommended

Students will be able to

☐ Build programs for logging and alarming

☐ Learn best practices for programming in Designer

Schneider Electric

Agenda

Course Introduction

- ☐ Student and Instructor introductions and overview of course logistics

- ☐ Overview of course topics and agenda

Create a framework for recording data to the SQL database

- ☐ Observe how data flows through the PME system to the database
- ☐ Build frameworks for logging data in the system
- ☐ Display logged data in Vista
- ☐ Understand the Windows Services that are involved with data logging
- ☐ Display logged data in Vista

Create custom alarms in Designer using the Set Point Module

- ☐ Program custom Alarms in PME using the Set point module
- ☐ Create alarms for values that fall outside of a band range
- ☐ Display Alarms in Vista using the Global Events view
- ☐ View alarms in the web client
- ☐ Add custom alarms in the system using the web client
- ☐ Discuss how to modify and customize alarming
- ☐ Discuss alarm management and best practices