

COURSE DESCRIPTION

PME Elective Series – Learn How to Configure Alarming and Logging in PME

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 create 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 and Delivery Type

6 hours (9 a.m. – 3 p.m. CT), Virtual Instructor-Led Training (VILT)

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, Operation, or Overview course is recommended

Students will be able to

- Build programs for logging and alarming
- Learn best practices for programming in *Designer*

Agenda

Course Introduction

- 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

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
- View alarms in the web client
- Discuss how to modify and customize alarming
- Discuss alarm management and best practices

Course Summary

- Answer any remaining questions
- Outline available resources for education going forward