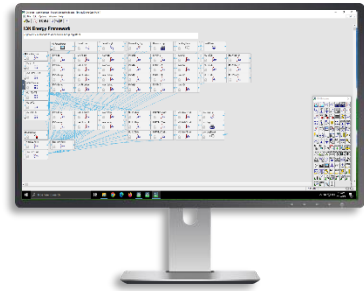# Schneider Electric Training

PMU TRAINING CENTER

EcoStruxure™ Power Monitoring Expert
- ION™ Architecture Programming (1-Day)

Description:
This 1-Day instructor led course focuses on system and device level customization using the Designer application in PME. Students will follow along in their own system as the instructor provides an overview of the architecture of ION™ meters. They will be guided through creating custom programs for equipment monitoring, alarming, and logging. The Virtual ION™ Processor (VIP) will be covered for programming Modbus meters and third-party equipment. Designer and Vista integration will be covered as well to show how programs can be used in PME's graphic screens. At the end of the course, students will have learned how to create multiple frameworks for integrating WAGES devices, control and process applications, logging, alarming, and custom calculations.

Audience:
This course is designed for anyone who is responsible for administering, maintaining, and/or supporting a PME system, such as system administrators (and possibly IT Admins), as well as advanced PME users.

Course Details

Duration:
- 1-Day

Delivery Type:
- Onsite Classroom (CR)
- Virtual Instructor Led (VILT)

Course Reference #:
- 3000PME1DPROG300

Product Numbers:
- Reference Table A

Registration
- Contact pmu@se.com to begin this process.

Prerequisites:
- A basic familiarity with using PME
- Familiar with Microsoft Windows operating systems
- A basic working knowledge of power and energy will be helpful

Students will be provided:
- Operating Manuals or training material (if available) by request only
- Demo software or equipment is not included but can be requested for purchase during the quotation process

Objectives:
After completion of this training course, participants will be able to:
- Describe ION™ architecture and ION™ module properties
- Examine configuration of meters installed in a PME system
- Understand the procedure to backup and restore a meter template
- Construct programs to perform custom calculations
- Describe how Designer and Vista work together
- Build programs for logging and alarming
- Build programs to read Modbus registers from one device to an ION meter
- Program process and control applications inside of an ION meter
- Understand the ION™ Reference document and how to use it
- Learn best practices for programming in Designer

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1-Day Agenda

- Vista navigation and interface
- Configure real-time and historical data within Vista graphics
- Create Navigation between Vista graphic screens
- Discuss differences between Vista and the Web Applications Diagrams
- Designer navigation and interface
- ION Reference and Designer programming best practices

Onsite Part Number Reference Table

The following part numbers can be used for **On-Site** Customer Dedicated training events. Contact PMU@se.com for any custom quote request, including Virtual events or custom agendas.

SE Part Number	Description
3000PMUSITE1C	1 Instructor for 1 day, up to 10 students (no minimum required), no change to agenda, Standard Business Hours (SBH)
3000PMUSITE1CVF	1 Instructor for 1 day, up to 10 students (no minimum required), no change to agenda, SBH, with Videography Service (VS).
3000PMUCSITEPREP	1 day of Instructor prep time for custom content requests. Qty as needed.
3000PMUCSITE	Used to cover cost of second instructor for classes with 11-20 students.
Use the following part numbers for multi-day Onsite events.	
3000PMUSITE2C	1 Instructor for 2 days, up to 10 students (no min), no change to agenda, SBH
3000PMUSITE2CVF	1 Instructor for 2 days, up to 10 students (no min), no change to agenda, SBH, with VS
3000PMUSITE3C	1 Instructor for 3 days, up to 10 students (no min), no change to agenda, SBH
3000PMUSITE3CVF	1 Instructor for 3 days, up to 10 students (no min), no change to agenda, SBH, with VS
3000PMUSITE4C	1 Instructor for 4 days, up to 10 students (no min), no change to agenda, SBH
3000PMUSITE4CVF	1 Instructor for 4 days, up to 10 students (no min), no change to agenda, SBH, with VS

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