



## Hardware Installation and Troubleshooting Factory Course Details

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*The following document provides an overview of the above-mentioned course offered by Schneider Electric's **Power Management University (PMU)**. For more details about all PMU courses such as availability, other courses options, and registration, please visit [www.pmutraining.com](http://www.pmutraining.com). Questions can be emailed directly to [pmu@se.com](mailto:pmu@se.com).*

### Duration:

- 4 days
- M – Th 9 AM – 3 PM CT

### Delivery Type:

- In Person (Nashville Training Center)
- Onsite and/or custom training versions available by request

### Overview:

- This 4-day course focuses on installation and setup of PowerLogic and ION metering. Participants will identify and resolve meter setup issues, CT and PT wiring issues, and meter communication network issues. Participants will examine the capabilities of specific PowerLogic and ION meters and learn how to select the correct meter for different metering points in a facility. Participants will explore the features of PowerLogic communication gateways and practice setup and configuration. ION Setup will be used to perform initial meter configuration and verification. ION Setup will also be used to setup logging and event detection for each meter in the system. Participants will also create and manage a basic system in EcoStruxure Power Monitoring Expert. This course provides an introduction to installing and setting up a metering system utilizing PowerLogic and ION hardware.

### Who should attend:

- Anyone who will be designing, installing, configuring, troubleshooting or maintaining PowerLogic and ION metering and communication devices.



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### Prerequisites:

- Basic computer skills and experience with Microsoft Windows.
- Working knowledge and understanding of electrical terminology, concepts and calculations, including an understanding of the relationships among current, voltage, power and power factor in three-phase circuits.

### Upon Completion students will be able to:

- Understand basic power fundamentals and terminology
- Determine the capabilities of specific PowerLogic and ION metering devices
- Use the PowerLogic and ION meter front panels
- Use the ION Setup Utility to troubleshoot CT and PT wiring issues
- Use the ION Setup Utility to modify and save meter configurations
- Explain how to correctly mount and wire PowerLogic and ION meters
- Upgrade the firmware of PowerLogic meters and ION meters
- Troubleshoot meter wiring and communication issues
- Configure PowerLogic gateways for device communications
- Add PowerLogic and ION meters into an EcoStruxure system
- Create a simple power monitoring system in EcoStruxure Power Monitoring Expert
- Generate a Vista diagram and create basic Vista objects

### Daily Agenda:

Monday	Tuesday	Wednesday	Thursday
<ul style="list-style-type: none"><li>• Course Introduction</li><li>• Power and Energy Fundamentals</li><li>• Introduction to PowerLogic and ION meters</li><li>• Front Panel navigation</li></ul>	<ul style="list-style-type: none"><li>• ION Setup</li><li>• Meter Template and Firmware application</li><li>• CT &amp; PT Wiring</li><li>• Phasor Diagrams Troubleshooting</li></ul>	<ul style="list-style-type: none"><li>• Communications</li><li>• Meter Logging, Alarming, and</li><li>• Hands on wiring and troubleshooting</li></ul>	<ul style="list-style-type: none"><li>• Introduction to PME</li><li>• Add devices to the Management Console</li><li>• Create and Modify Vista screens</li></ul>