SOLAR PV
OPERATIONS TRAINING

Join us at Nor-Cal Controls' Training Facility in the Northern California foothills for a deep dive into operator fundamentals as they pertain to Supervisory Control and Data Acquisition (SCADA) systems. Learn NERC fundamentals and SCADA as they apply to the electrical grid. The training topics and principles covered can be applied to any SCADA system platform (hardware/software).

This 3-day training course is designed to benefit EPC contractors, asset owners and solar industry professionals. Graduates will understand the 'big picture' as it applies to solar PV plant operations within the utility scale sector. Training is held once a quarter or available upon request

> **UNLOCK YOUR UTILITY-SCALE, SOLAR PV OPERATIONAL POTENTIAL.**

GRID/NERC 101
Presented by GridSME

This session consists of elementary electrical system knowledge and fundamentals, and how they apply to regulatory and compliance authorities within the growing power generation industry. This general overview will aid in providing a 'big picture' holistic view that is critical to the industry as it pertains to operations, planning and forecasting, in an effort to meet present day regulatory guidelines.

TOPICS COVERED:
- Electrical systems
- System operations
- NERC functions
- NERC compliance
- Operations planning
- Forecasting

SCADA 101
Presented by Nor-Cal Controls ES

This session is a thorough, introductory course regarding today's most critical power generation necessity: gathering data from site devices and successfully making time-sensitive decisions to enhance productivity, efficiency and revenue. This course empowers its students with an understanding of SCADA systems that work with any platform and ensures adherence to best practices for any utility-grade power generation site.

TOPICS COVERED:
- Introduction to SCADA
- How SCADA is used
- SCADA architecture
- SCADA protocols
- HMIs and data visualization
- Historian overview
- Network overview
- SCADA implementations

FLEET MONITORING & PERFORMANCE ANALYTICS
Presented by PowerFactors

This course covers industry basic and advanced analytics, including loss characterization analysis, and how asset managment and performance analytics are not only a necessary but beneficial complement to localized SCADA systems.

TOPICS COVERED:
- Introduction to plant monitoring
- When to use SCADA vs. plant monitoring
- Portfolio management
- Notifications and automated workflow
- Event managment
- Analytics - basic and advanced
- Reporting - basic and advanced