



Content
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Power Quality Troubleshooting - Finding Problems and Solutions

Contact us Today for a FREE quotation to deliver this course at your company's location.

<https://www.electricityforum.com/onsite-training-rfq>

Power Quality Troubleshooting and Problem Solving Training - Our 6-hour live online instructor-led training course covers the latest information about troubleshooting power quality problems.

Commercial and industrial companies are often faced with unexplained equipment malfunctions, equipment failures, or equipment interference problems. Our Power Quality Troubleshooting and Problem Solving course is designed to teach a method to troubleshoot various power quality problems and to learn how to extract meaningful information from wave forms and power quality data.

This 6-hour instructor-led course identifies many different power quality problems and explains a six-step process to understand the root cause and solve the problems. It also shows many waveform signatures and reveals the power quality problem associated with each of these.

Upon completion of this course, participants will have knowledge of the techniques they can employ to identify causes of power quality problems within a facility. They should also be

able to recognize specific disturbances in the voltage or current wave forms.

This course applies to facility electrical maintenance personnel as well as for power quality engineers serving either industrial or commercial environments. For the maximum benefit of this course, participants should have a basic understanding of electrical systems, equipment, and measurement device.

Power Quality Troubleshooting is a systematic process of finding and eliminating problems. To the untrained eye, power quality problems in industrial, commercial and institutional power systems may not be recognizable as typical "power quality" problems. For example, a tripped thermal-magnetic circuit breaker typically indicates a short circuit, ground fault, or overload. When no immediate problem is apparent, it may be written off as s "just an old breaker that needs replacing."

Instead, a well-trained power quality technician might be able to recognize that he or she should look at the types of loads on the system and monitor for harmonics and hence should monitor for unbalance.

Knowing and recognizing the most common power quality symptoms and learning how to effectively troubleshoot them is a first step in solving power quality issues. That is the focus of this in-depth 6-hour course.

Related Courses

[Power Quality Analysis Training](#)

[Power Quality and Harmonics Training](#)

[Power Quality in Motor Control Applications](#)

[Power Factor Correction Training](#)

[Power Quality Considerations for Energy Efficiency Retrofits](#)

WHO SHOULD ATTEND

- Industrial, Commercial, Institutional Electrical Engineers, And Electrical Maintenance Personnel
- Consulting Electrical Engineers
- Project Engineers
- Design Engineers
- Field Technicians
- Electrical Technicians
- Plant Operators
- Plant Engineers
- Electrical Supervisors
- Managers In Charge Of Plant Electrical Infrastructure

STUDENTS RECEIVE

- This Course Includes Our Latest Power Quality and Grounding Handbook!! (Value \$20)
- **\$100 Coupon** Toward Any Future Electricity Forum Event (Restrictions Apply)
- .6 Continuing Education Unit (CEU) Credits
- **FREE** Magazine Subscription (Value \$25.00)
- Course Materials In PDF Format

COURSE OUTLINE

Introduction

- Power quality & Voltage quality
- Voltage disturbances
- Internal & external causes for PQ disturbances
- Power quality objectives

6 steps to solving PQ problems

- Understand symptoms/problems
- Review single electrical line diagram

Collect data

Interpret data

Root Cause Analysis

Mitigate the PQ problem

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