

# POWER QUALITY SEMINAR

This One-Day ***PRACTICAL TRAINING*** Seminar conducted by a Power Quality Consultant with over 25 years of hands on experience will help you...

- Eliminate Costly Downtime due to Power Quality & Grounding Issues
- Avoid Problems with Proper Specification & Purchase of Equipment
- Help Ensure Your Business Runs Smooth and Productively
- Avoid Equipment Damage

Qualifies for 8 hours of Continuing Education Credit for Electrical License Renewal



## Who Should Attend:

- Engineers
- Electricians
- Facility Maintenance & Engineering Personnel
- Management Personnel
- Electrical Contractors
- Repair Technicians

## Course Outline

- *Power Quality Disturbances*
- *Power Quality Solutions*
- *Specification of Electrical Equipment for Reliable Operation*
- *Wiring and Grounding for NEC Safety and Performance*
- *Adjustable Speed Drive Considerations*
- *Utility System Disturbances*
- *Troubleshooting Tips and Techniques*
- *Power Quality Monitoring*
- *Industrial Control Solutions*
- *Case Studies & Demonstrations*

  
**Advanced Power Solutions**

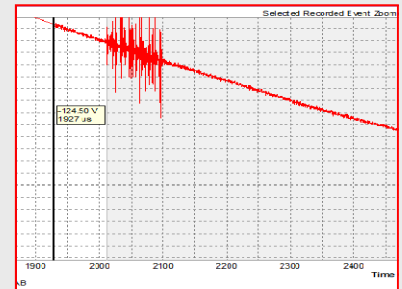
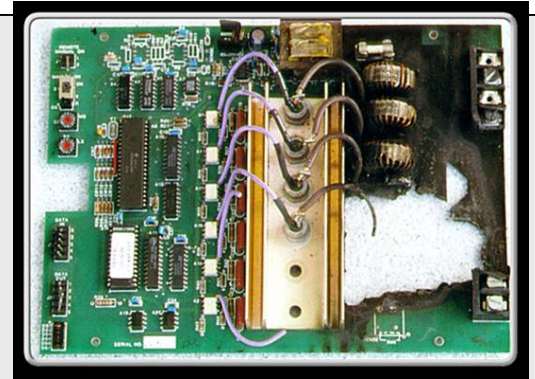
www.PowerSafetyPRO.com  
(503) 558-8158

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**Course Description** - This one-day Power Quality course provides Practical Information that you can apply to prevent and solve power quality and reliability problems. Case studies are woven throughout the class to help provide real world examples of problems and solutions.

## Objectives:

- Learn the types of disturbances that cause PQ problems and how to correct them in a cost effective manner.
- Learn how to troubleshoot PQ Problems.
- Avoid Power Quality and Reliability issues through proper equipment selection.
- Learn how to use a Multi-Meter, AM Radio and other Basic Tools for PQ Troubleshooting.
- Selection and application of Power Quality Monitors.
- Selection and application of Power Quality Solutions.
- Learn about the mitigation equipment that may be necessary to prevent or resolve issues.



**Course Materials:** Extensive Course Workbook and Handouts

## Course Instructor, Gary P. Larkins

- **Has over 25 years of experience in Power Quality Consulting, System Commissioning, Failure Analysis, System Conceptual Design, Product Evaluation and Failure Analysis.**
- **Completed over 250 PQ Consulting Projects for Utility, Industrial, Data Center, Institutional and Commercial Clients.**
- **Developed and instructed multiple PQ and Courses including the Western Energy Institute Hands on Lab PQ Course.**
- **Authored multiple white papers.**
- **Principal Author of AT&T Wireless National Lightning Protection, Grounding and TVSS Standards.**

*Engineer - "Thank you for the class. Your practical examples and case studies really helped me understand PQ"*

*Electrician - "great class. I didn't realize how important Grounding & Bonding is to Power Quality"*

*Electrician - "thank you for taking a complex subject which has been confusing and for making it understandable"*

*Consultant - "I never knew an AM Radio could be such a powerful tool. I went out and bought one during lunch and tried it. We already found a problem"*

Contact us to be notified of upcoming regional classes, or to request a quotation for an on-site course

[industrysolutions@PowerSafetyPRO.com](mailto:industrysolutions@PowerSafetyPRO.com)

1-888-558-8158

**APS**  
Advanced Power Solutions