

# APS - Grounding & Bonding for Safety and Performance

Grounding and Bonding does not have to be confusing. Join us for this practical seminar taught by an experienced instructor which developed the Grounding, Bonding, and Lightning Protection Standards for a large Wireless Carrier. Learn:

- The Theory Behind Grounding and Bonding (absolutely essential)
- Why the NEC Requirements are necessary for safety and performance
- Grounding for Enhanced Performance
- Troubleshooting Techniques

Continuing Ed. Credit for OR & WA Elect. License Renewal & WA Trainee Credits



"Thank you. Best Class on Grounding & Bonding I have attended. Once I understood the theory, the Code finally makes sense" - Facilities Electrician

## Who Should Attend:

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

## Course Overview

- Electrical Theory Related to Grounding/Bonding
- National Electrical Code (NEC) Article 250 – Grounding and Bonding for Safety
- Applicable Standards and Recommended Practices
- Proper Grounding and Bonding is required for safety
- Typical Grounding/Bonding Errors, Problems & Resolutions
- Key Considerations for Performance Grounding
- Grounding for Noise Immunity
- Ground Loops – Causes & Corrections
- Single Point vs. Multi-Point Grounding
- Grounding System Tests
- Troubleshooting Tips
- Grounding and Bonding for Lightning Protection
- High Frequency Grounding Considerations related to Lightning, Harmonics, and Conducted Electromagnetic Interference
- Communication System Grounding

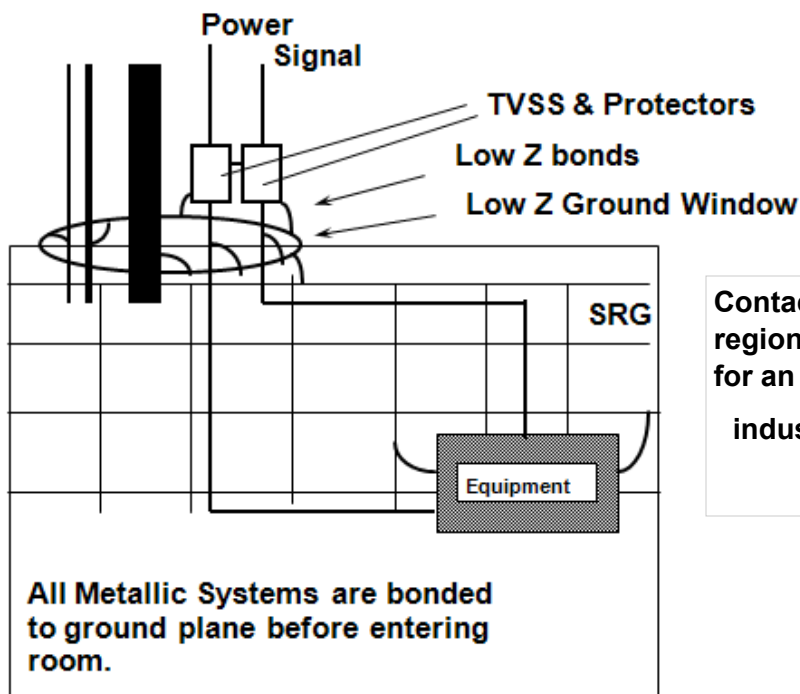
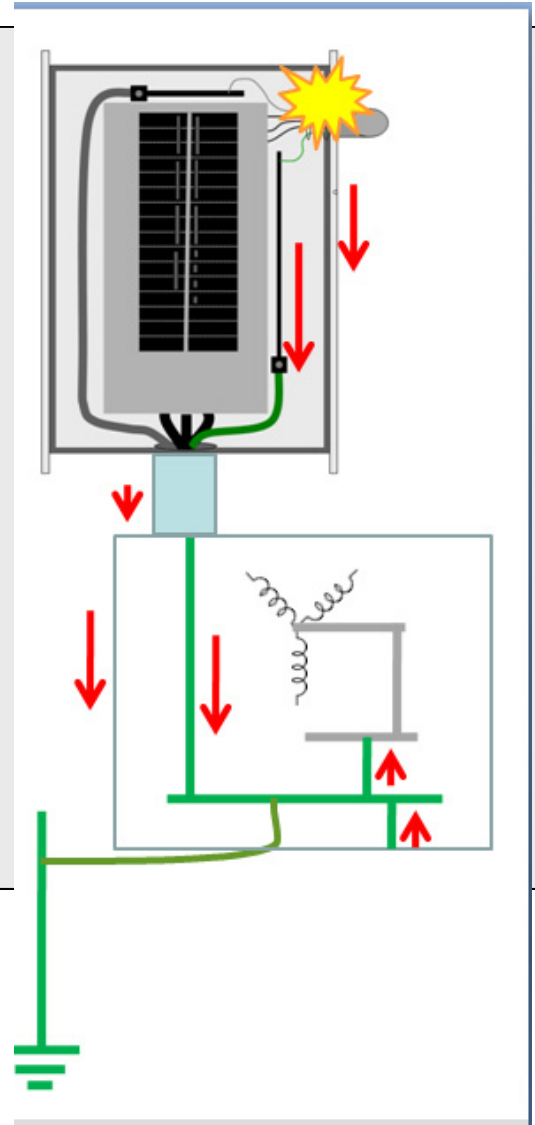
  
**Advanced Power Solutions**

www.PowerSafetyPRO.com  
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## 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/SPD Standards.*



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

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