

What Sets Our Training Apart? It's the LABS

There are so many reasons why iGround's training is popular with our clients and students. Our manuals contain technically proven, insightful, and variant methods that can help them solve their problems...regardless of site impact, type of problem, effect on equipment, or cost to resolve it. We also have IEEE easy-to-follow methods to provide quality assurance (QA) inspections by the very same people who write those standards.

But, no matter how detailed and colorful iGround's manuals are, we understand that simply describing methods and procedures in a book is not good enough. As humans, we learn by ***doing***. A large part of our ***gray matter*** evolution is making mistakes, having successes, and seeing the result/impact of both. This is where our labs come in.

All of our classes have multiple hands-on labs that are directly related to the subject matter being taught. Our labs include:

- Earth Ground Resistance Testing – Learn the most important aspects of this popular, and oft-misunderstood, measurement, all the while never leaving your lab desk. You will learn with contemporary meters, record results in the prescribed manners, and how to interpret the data and graphs. And, if you think clamp-on earth ground testers are going to save the day, think again. Yes, we have a lab for that, too!
- Two-Point Bonding Testing – Always overlooked in the design and QA processes and rarely performed, the 2-point bonding resistance measurement is one of the tests you MUST perform at every site, particularly data centers and other sensitive equipment environments. iGround has multiple labs, using multiple testers, for this important measurement in order to demonstrate connectivity, measurement data, pass/fail criteria, and recommended practices to resolve.
- AC Equipment Grounding System (EGS) Testing – If you have any hope of riding out safety, lightning, ESD, ***noise***, and steady-state operational issues, the EGS must be tested with ***proven*** test equipment designed specifically for the purpose. Most end-users use the inexpensive three-lamp circuit testers as opposed to impedance testers thinking the result are the same. Our two labs for this are an eye-opener for everyone who attends and are the only ones of their kind! Our students believe that the labs for this are all they really need to know, and they're not exactly wrong.
- Voltage Quality Labs – One of the misunderstood aspects of the power quality realm are the issues surrounding voltage quality. Our labs, combined with state-of-the-art Voltage Quality analyzers, show how the meters work, how they capture waveforms, how the waveforms are displayed, and how they are interpreted. Our IG-300 course has 5 voltage quality labs using disturbance generators that are unlike any others.

So, when you're assessing cost/benefit to training, consider your ***takeaways***, so to speak. Learning out of a book is good. But, if you are impacting the site with your mind ***AND*** hands....they should both be included in your training.