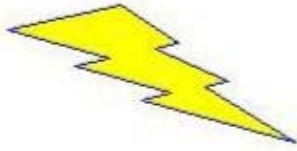


# IQ



**Give Your Clients  
State-of-the-Art  
Technology at  
“Old Technology  
Costs!”**

**Insulation Quality Services**

**“Partial Discharge Analysis Since 1999”**



Active Partial Discharge & tracking found; before failure occurred!



Bad cable found before it failed!

## OFFICES

### CALIFORNIA

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### OHIO

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**GET INTO PARTIAL DISCHARGE (PD) TESTING AT MINIMAL COST AND PROVIDE A QUALITY SERVICE WHILE EARNING MAJOR PROFITS!!**

*IEEE statistics say that up to 95% of switchgear failure is from insulation breakdown.* PD testing detects the magnitude of insulation breakdown that has occurred, which allows a failure risk assessment to be made. The PD signatures occur only in electrical systems that are 600V and higher and are indicators of insulation weakening. IR Scan is a good tool to detect loose connections or current-flow problems, but it can't detect insulation or voltage problems because partial discharges build up no heat.

A prime benefit of this technology is that testing is *performed while equipment remains in service, so no outage is required.*

Examples of lurking hazards that our PD testing expertise discloses are:

- ✦ **Insulation defects deep within switchgear** (avoid catastrophic failure)
- ✦ **Termination, splice & cable failures** (causes 90% of cable failure and most can be eliminated during regular maintenance intervals by PD testing)
- ✦ **Motor & Generator insulation wear** (avoids unexpected complete stator failure and buys precious time to schedule repairs, thus increasing uptime)
- ✦ **Busduct failure** (effectively test busduct without disassembly or cover removal)
- ✦ **Dry-type transformer condition deterioration** (picks up discharge or corona from dust accumulation or looming insulation problems).

**Our IQ Services program can grow your business!** Our PD program brings you the following features:

- 1) Use of State-of-the-Art, very expensive, test equipment at very minimal expense.
- 2) Quality for your staff from IQ Services experts (we've been doing PD testing & analysis in CA for over 5 years & have 100 + clients with PD survey projects ranging from \$5K to over \$100K).
- 3) Ongoing Sales Technical support from IQ Services staff.
- 4) Easy data transfer through our website.

**The preceding is all-inclusive for a very reasonable cost of:**

- 1) An initial **one-time** cost of \$24,951.
- 2) \$995/mo to cover equipment leasing.
- 3) PD data analysis & report generation for \$48 per sample. This way you **“pay as you go” rather than expending a large lump sum.** (Accurate analysis of PD signatures takes years of experience.)
- 4) Or our IQ Team will provide testing for you at \$3,200 per day including reports! (Includes reports)

We'd look forward to further discussions about the quality services our program can bring to your customers. We can be reached through the sidebar contact information, or visit our website @ [www.4pd.us/](http://www.4pd.us/)