

PARTIAL DISCHARGE DETECTION AND LOCATION FOR MEDIUM VOLTAGE CABLES

Partial Discharge (PD) is a localized electrical breakdown in the dielectric material which does not bridge the dielectric between the conductor and the concentric neutral in your cable. Partial Discharge can occur in voids, gaps and similar defects in medium and high voltage cables. If allowed to continue, Partial Discharge will erode the insulation, usually forming a tree-shaped pattern of deterioration called an electrical tree, and eventually result in complete breakdown and failure of the cable or the cable accessory.

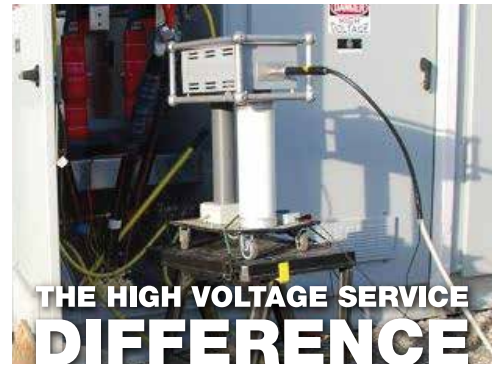
Partial Discharge diagnostics provide the technician with a non-destructive means of evaluating the cable and the cable accessories. By locating the Partial Discharge sites early, corrective measures can be taken before the cable fails, reducing costly downtime and repairs resulting from unplanned outages.

HIGH VOLTAGE SERVICE CAN DESIGN A PARTIAL DISCHARGE TESTING & MONITORING PLAN FOR YOU High Voltage Service, a leader in electrical equipment testing and maintenance, offers Partial Discharge testing to determine the condition of your medium voltage cable system.

One of our NETA-accredited, union technicians will conduct a PD test and analysis to evaluate the condition of your medium voltage cable system. The data collected can be compared to previous measurement values, allowing classification of the dielectric condition and pre-planning of appropriate repair and maintenance either by your preferred vendor or coordinated through our experienced project management team. Also, our professional engineering team can design a PD monitoring system that best meets your needs.

Save time and money by choosing High Voltage Service for your Partial Discharge testing. Don't wait for a failure to occur.

Contact us about our other Partial Discharge testing services.



High Voltage Service has delivered electrical power solutions to thousands of customers throughout the United States since 1981. We specialize in low, medium, and high voltage electrical testing, repair services, and engineering for your electric distribution system.

Over the years, we've expanded our capabilities and added facilities to become an all-inclusive service provider specializing in electrical power solutions for your systems.

OUR GUARANTEE

Your satisfaction with High Voltage Service is 100% guaranteed. When you work with High Voltage Service, you'll receive quality electrical power solutions that are second to none. We strive to continually improve our long-term, trusting relationships with our customers.





HIGH VOLTAGE SERVICE OFFERS THESE RELATED ELECTRICAL TESTING SERVICES

ELECTRICAL ACCEPTANCE TESTING AND COMMISSIONING: Before you bring new electrical equipment online, call High Voltage Service for your electrical acceptance testing. Our electrical engineers and technicians are trained to test and service a wide variety of electrical equipment brands.

Our testing and commissioning procedures follow the practices set forth by the International Electrical Testing Association (NETA) and the American National Standards Institute (ANSI).

You can protect the validity of your manufacturer's warranty through non-biased, independent electrical acceptance testing by High Voltage Service professionals. Your insurance company may also require professional electrical acceptance testing before your new electrical equipment is energized to verify that it meets code requirements and satisfies the intent of your application.

Commissioning by qualified High Voltage Service professionals can verify proper operation, identify installation problems, and assure you of total power system performance. High Voltage Service acceptance testing and commissioning services include:

- High current testing
- Relay testing
- Doble® power factor testing / SFRA
- Full electrical testing
- Cable testing



High Voltage Service

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SPECIALIZING IN ELECTRICAL POWER SOLUTIONS

For a list of satisfied clients and for more information on all High Voltage Service Solutions, visit our website at www.highvoltageservice.com or contact your local High Voltage Service Account Manager.

HIGH VOLTAGE SERVICE

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