

# MTEKPRO TECHNOLOGIES PVT. LTD.

“Precise Electrical Testing and  
Measurement Solutions”





# WHO WE ARE?

MTEKPRO Technologies is a trusted provider of advanced electrical testing solutions across India. We collaborate with globally recognized partners such as IPEC, Kehui, Schleich, Terasense, Dr. Strauss, BHT, and more, offering a comprehensive range of testing products and services, including transformer testing, motor testing, partial discharge testing, and much more.





# WHAT WE DO?

MTEKRPO Technologies offers high-voltage testing equipment for power generation, transmission, and distribution, testing transformers, generators, and more. We deliver innovative, customized solutions with a focus on quality, safety, and customer satisfaction, ensuring reliable and cost-effective services using the latest technologies. Trust us for sustainable engineering excellence.



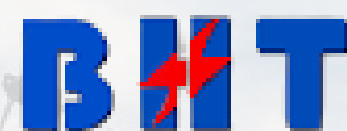




# OUR VISION

Our vision is to deliver innovative, reliable, and cost-effective engineering solutions with a focus on quality, safety, and excellence. Backed by a skilled team using advanced technologies, we prioritize tailored client needs, teamwork, and value-added services. We strive to be a trusted partner clients can depend on and a company employees take pride in.





**OUR PARTNERS!**







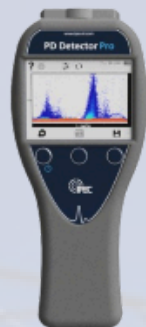
दिल्ली मेट्रो रेल कॉर्पोरेशन लिमिटेड  
Delhi Metro Rail Corporation Limited

HITACHI

OUR CUSTOMERS!







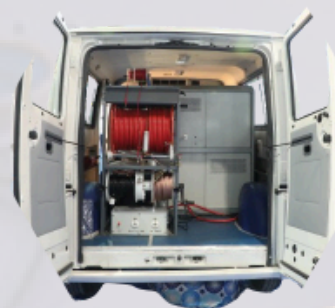
**PD Detector Pro**  
IPEC



**Motor Analyzers**  
SCHLEICH



**Surge Testers**  
PUTON



**Cable Fault Location van**  
KEHUI



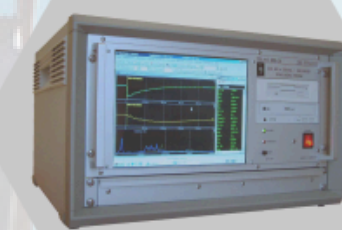
**Impulse Measuring Systems**  
BHT



**H.VIR Windows**  
H.VIR



**Thermal Imaging Cameras**  
HIKMICRO



**Digital Voltage Impulse Measuring System**  
DR. STRAUSS



**LV Fault Locator**  
KEHUI

# OUR PRODUCTS!



# Transformer Testings

- Turns Ratio and Vector Group Measurement.
- Magnetic Balance and Magnetizing Current Measurement.
- Percentage Impedance Measurement at Low Voltage Insulation Resistance & Polarization Index Measurement.
- DC Winding Resistance Measurement.
- Dynamic Contact Resistance Measurement of OLTC SFRA (Sweep Frequency Response Analysis) Testing 60060-3, IEC.
- Tan Delta and Capacitance Measurement.
- Partial Discharge (PD) Measurement (On-line & Off-line).
- Magnetic Circuit (Insulation) Test.
- Functionality Check of all Protective Devices stability Check.
- Oil Analysis.
- Standards followed: IEC 60270 (for PD), IEC60060 -1, IEC.

**OUR SERVICES!**





# Cable Testings

- Cable Sheath Testing.
- Insulation Resistance Testing.
- VLF AC withstand Test.
- Tan Delta Testing.
- DC Hipot of Cables.
- Cable Fault Localization.
- Pin Pointing of fault in cables and Route Tracing.
- Partial Discharge (PD) measurement (Online/offline).
- Cable Identification.
- Standards followed: IEEE 400.2, IEC 60060- 3. IEEE P400.2

**OUR SERVICES!**



# Motor Testings

## Online Tests

- Motor Current Signature Analysis (MCSA).
- Vibration Analysis.
- Ultrasonic Detection.
- Thermography (IR).
- Partial Discharge (PD).
- Bearing Problem Analysis.

## Offline Tests

### Stator

- Insulation Resistance & Polarization index.
- Dielectric Absorption Test.
- Step Voltage Test.
- DC/AC Hipot Test.
- Surge Testing.
- Impedance Test.
- Current Frequency Response.
- Phase Angle.
- Partial Discharge Measurement.
- Winding Resistance Measurement.
- Capacitance and Tan Delta Measurement.

### Rotor

- Insulation Resistance & Polarization Index Measurement.
- Impedance Measurement.
- Winding Resistance Measurement.

**OUR SERVICES!**



# Generator Testings

- Insulation Resistance and Polarization Index.
- Capacitance and Tan Delta Measurement.
- Partial Discharge Measurement.
- DC/AC leakage Current Measurement (Hi Pot).
- DC Winding Resistance measurement.

**OUR SERVICES!**



# Relay Testings

Perform secondary injection testing for all relays using a conventional single-phase current test set, and check the protection, control, and annunciation schemes. Additionally, conduct relay testing using a three-phase automatic test kit with proper configuration.

**OUR SERVICES!**





# Switchgear Testings

**Problem identification using our integrated Partial Discharge Testing and Monitoring Solutions:**

- Surface Tracking.
- Corona.
- Partial Discharge within insulators and insulating components.
- Defective insulation in cables terminations.
- Surface contamination or moisture.
- Defective potential transformers and current transformers.
- Defects in circuit breaker insulation structure.

**OUR SERVICES!**



# Power Quality Monitoring & Analysis Services

## Continuous Online PD measurement & Localization on Power Transformers/GIS

- Using disturbance - immune UHF PD monitoring for Power Transformers/ GIS.
- Upto 6 channels - UHF (Drain valve) on acoustic PD input channels.
- This all-in-one partial discharge (PD) monitoring system features six analog input channels for simultaneous UHF, electric, or acoustic PD measurements. It includes signal conditioning, data processing, storage, a webserver for visualization, and supports Modbus TCP and IEC 61850 communication protocols, along with relay integration. Compact and easy to install.

## Online Continuous PD Monitoring on Switchgear/ GIS

- 24/7 continuous PD (Partial Discharge) Monitoring.
- High sample rate & high data resolution.
- Centralized data for easier management.
- Automatic PD data analysis & alarms.
- Bespoke configuration based on project requirements.
- Reduce downtime & maintenance cost.
- Increase asset life.

**OUR SERVICES!**





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