



TESTING, COMMISSIONING & MAINTENANCE

Techcorp services provides testing and commissioning of new electrical install's and preventive maintenance of new and existing electrical assets. We aim to provide our customers with a quality & personal service at a competitive rate, ensuring our clients expectations are met above and beyond. We pride ourselves on delivering a high quality personal service ensuring the same personal return to site every time.

Techcorp services has the resources and personnel to carry out maintenance and commissioning on following assets;

- HV & LV Switchboards
- HV Switchyards
- Secondary Injection of Protection Relays
- Calibration of Transducers
- Primary Injection of Current Transformers
- Insulation Resistance Testing
- Earth Grid Testing
- Contact Resistance Testing
- High End Transformer Testing
- Cable Testing
- Automatic Voltage Regulator Testing
- Circuit Breaker Testing
- Thermographics
- Insulating Oil Testing and Analysis



OUR TESTING AND COMMISSIONING SERVICES INCLUDE THE FOLLOWING (BUT ARE NOT LIMITED TO)

Protection Relay Testing	<ul style="list-style-type: none">• Software & firmware programming• Settings & secondary injection• Protection scheme testing	Earth Testing	<ul style="list-style-type: none">• Grid testing• Earth stake testing• Step & touch potential testing• Earth potential rise testing
Current Transformer Testing	<ul style="list-style-type: none">• Primary injection• Ratio checks• Magnetising curves• Burden• Polarity checks• DC resistance	Contact Resistance	<ul style="list-style-type: none">• Circuit breakers• Earth switches• Isolations• Connections
Voltage Transformers	<ul style="list-style-type: none">• Polarity checks• Insulation resistance• Ratio checks	Power Transformers	<ul style="list-style-type: none">• Winding ratio checks• Winding resistance tests• Insulation resistance• Dielectric loss angle testing• Oil analysis testing (DGA)• Dielectric response analysis• Sweep frequency analysis
Insulation Resistance Tests	<ul style="list-style-type: none">• Polarisation index• Insulation resistance	Switchboard & Switchgear	<ul style="list-style-type: none">• Ductor contact resistance tests• Insulation resistance• Partial discharge testing• Hipot/withstand testing• Circuit breaker timing testing