



ALBARIO ENGINEERING (PVT) LTD.

YOUR ENERGY PARTNER

**INSPECTION  
AND  
TESTING  
SERVICES**



- ◆ **Electrical Testing, Commissioning & Diagnostic Services**
- ◆ **Thermographic Surveys, Partial Discharge Surveys**
- ◆ **Electrical Maintenance Audits, Power Quality Audits**
- ◆ **HV Switchyard Erection, Testing & Commissioning Services**
- ◆ **MV/LV Switchgear Installation, Commissioning and Maintenance**



### **TRANSFORMER SERVICES**

- ◆ Insulation Resistance
- ◆ Dissipation/Power Factor Measurement of Winding/Bushing
- ◆ Winding/Dynamic Resistance ( OLTC/DETC)
- ◆ Transformer Turn Ratio/ Vector Group Check Point
- ◆ Dielectric Response Analysis
- ◆ Excitation Current
- ◆ SFRA
- ◆ Short Circuit Impedance/ Leakage Reactance
- ◆ Demagnetization
- ◆ Dehydration
- ◆ Partial Discharge Measurement
- ◆ Oil Testing (DGA, Quality Testing, Furan Testing, Corrosive Sulfur etc.)
- ◆ Cleaning/ Painting/ Installation



### **PROTECTION SERVICES**

- ◆ Generator Protection
- ◆ Transformer Protection
- ◆ Transmission Line Protection
- ◆ Bus Protection
- ◆ Network Protection
- ◆ Distribution Feeder Protection
- ◆ Motor Protection
- ◆ Co-ordination Studies
- ◆ Protection Studies



## SUBSTATION SERVICES (MV/ HV/ GIS)

- ◆ CT/PT Ratio, Burden, Polarity, Excitation, Winding Resistance, AC/DC Withstand Testing
- ◆ Circuit Breakers Timing Test, Contact Resistance, Coil Testing, Vacuum Bottle Integrity Testing, Cleaning/ Greasing/ Overhauling, SF6 Purity/ Dew Point Testing
- ◆ Earth Mesh Resistance, Integrity Test

## CONDITION MONITORING SERVICES

Vibration Analysis of Rotary Equipment by (Cat-III Vibration Analyst)

- ◆ Single Plane/ Dual Plane Balancing (All types of Rotors)
- ◆ Bump Test/ Cross Phase
- ◆ Run up/ Cost Down Test
- ◆ Infrared Thermography
- ◆ Mechanical Alignment
- ◆ Ultrasonic Testing

## ROTARY EQUIPMENT

- ◆ Borescope/ Physical Inspection
- ◆ IR/PI
- ◆  $\tan \delta$ / Capacitance Tip up/ $\tan \delta$  Tip up
- ◆ RSO
- ◆ Partial Discharge Measurement

## BATTERY CAPACITY TESTING

- ◆ Battery Load Discharge Test
- ◆ Battery Impedance Testing



## VIDEO BROSCOPIC INSPECTION SERVICES

- ◆ Using Latest Boroscopic System for Videoscopy Services on Gas Turbines, Steam Turbines, Generators, Engines, Heat Exchangers, Boilers etc. in all Industrial Sectors.
- ◆ Pipeline Velding Verification.



OHSAS 18001:2007 013 ISO 9001: 2008 013 ISO 14001: 2004

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