

TMR SALES & SERVICE LTD. provides electrical inspection, and auditing of existing commercial and industrial installations. Our reports are extensive and include photographic images where necessary.

SERVICES OFFERED:

- **Electrical System Quality Audits & Reports**
- **Thermographic (Infra Red) Surveys- Electrical System**
- **Energy Audits**

The need for these services has grown steadily during recent years due to:

- ✓ *Varying degrees of electrical installation quality.*
- ✓ *Building retrofitting & change of use, resulting in alterations to the original electrical installation.*
- ✓ *Plant and equipment upgrades affecting the loading of the electrical system.*
- ✓ *Risk Reduction of property damage by fire arising from electrical failure.*

APPLICATIONS

- Maintenance planning for use in predictive and preventative maintenance. Particularly useful in companies with high capital investment in plant and equipment, where failures of the electrical system or component failure can have catastrophic results.
- Risk Assessment to ensure compliance with industry standards on electrical safety. [NFPA:70 -National Electrical Code (NEC)].
- Monitoring of operational costs & realization of efficiency gains.
- Troubleshooting of power quality issues.

SCOPE & CAPABILITIES

Depending on the level of service required by the client, our investigative analysis and recommendations will be customized to include elements of the following:

Visual Inspection

- Carry out a visual inspection of the electrical distribution system to ensure compliance with NEC.
- Examination for excessive heating/hotspots.
- Quality of insulation/ protective coverings.
- Visual inspection of joints and connections.
- Carry out a visual electrical inspection of specific equipment, which can be agreed upon as required.
- Verify the presence of equipotential bonding.
- Verify the presence, accessibility, marking and condition of devices for electrical protection, isolation and switching.
- Verify that each circuit is adequately protected with the correct type, size and rating of overcurrent protective devices.

Basic Electrical Inspection and Testing

- Electrical load and voltage checks.
- Grounding Impedance.
- Insulation Resistance.
- Power Quality Analysis.

Our services can assist in maintenance scheduling to ensure a continuous level of plant output and efficiency. Likewise, the client also benefits from TMR's ability to undertake and/or coordinate any required remedial work upon request.

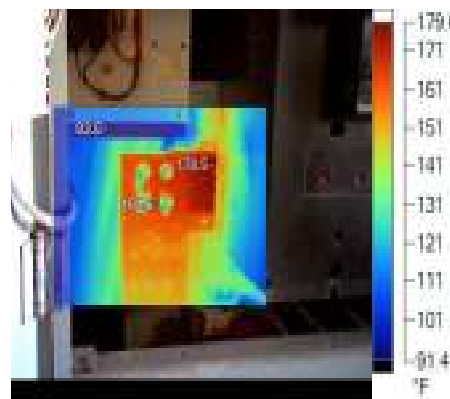
Our testing Equipment includes:

- Fluke 1735 Data Logger
- Fluke TI25 Thermal Imager
- VR 101 Voltage Event Recorders
- Greenlee 2011 Circuit Seeker
- AEMC Power Pad 3945-B
- Fluke 199c Scopemeter

PRICING

Competent electrical engineers and technicians will perform the inspections and audit. Our fees are based on a per hour rate for the inspection, equipment usage and an office based report.

Please do not hesitate to contact TMR at 246.430.5600 for an informal discussion or to arrange a meeting.

**Thermographic (Infra Red) Audits****Electrical System Quality Audits****Energy Audits**