

Engineering Solutions for a Safer, More Reliable and Sustainable Tomorrow

TEST | ASSESS | VERIFY | IMPROVE



Specialised engineering services in electrical safety, power quality, thermal imaging and solar photovoltaic (PV) systems.



SAFETY



RELIABILITY



SUSTAINABILITY

*“Independent Expertise.
Real Value.”*



UNIVERSITY OF MAURITIUS

PEOPLE | TECHNOLOGY | A CLEANER TOMORROW

Our Services

PRACTICAL SOLUTIONS FOR REAL-WORLD CHALLENGES

1 RCD Testing and Verification ELECTRICAL SAFETY YOU CAN TRUST

- Testing of Residual Current Devices (RCDs)
- Verification of operation and trip performance
- Support for compliance with relevant standards
- Help reduce the risk of electric shock, equipment damage and fire hazards



2 Harmonics and Power Quality Assessment CLEANER POWER. BETTER PERFORMANCE.

- Measurement and analysis of harmonics
- Assessment of key power-quality parameters (voltage, current, THD, power factor, etc.)
- Identification of issues from non-linear loads, inverters and variable-speed drives
- Recommendations to improve reliability, energy efficiency and equipment lifetime



3 Thermal Imaging and Infrared Inspection SEE THE PROBLEM BEFORE IT BECOMES A FAILURE.

- Non-invasive thermal imaging of electrical and energy systems
- Identification of overheating, loose connections, overloaded components and phase imbalance
- Inspection of electrical panels, motors, pumps, HVAC equipment, solar PV modules, inverters and more
- Support for preventive maintenance and risk reduction



4 Third-Party Technical Verification and Performance Assessment of Solar PV Systems INDEPENDENT ASSESSMENT. MAXIMUM VALUE.

- Review of PV modules, inverters and system configuration
- Verification of installed capacity and DC/AC configuration
- Inspection of installation quality and safety aspects
- Review of protection, isolation and earthing arrangements
- Thermal imaging of PV modules and electrical equipment
- Electrical and operational measurements
- Assessment of inverter and overall system performance
- Comparison of actual generation with expected performance
- Identification of technical deficiencies and opportunities for improvement
- Independent technical report with findings and recommendations



Maximise the performance of your solar investment.

Why Choose Us?



Proven Experience

Years of academic, research and consultancy experience in electrical systems, energy and renewable energy.



Multidisciplinary Expertise

A team with complementary skills in electrical, mechanical, energy and sustainability.



Independent and Objective

Unbiased assessments and practical recommendations.



Practical, Tailored Solutions

Solutions adapted to your specific needs.



Clear, Professional Reporting

Comprehensive reports with actionable findings.

“Engineering for a Cleaner, Safer and More Sustainable Mauritius.”

Sectors We Serve



Industrial and Manufacturing



Commercial and Retail



Hospitality and Tourism



Utilities and Energy



Agriculture and Agri-business



Solar PV and Renewable Energy



Public Sector and Institutions



Other Sectors on Request

Contact Our Team



We would be pleased to discuss your requirements and provide a customised proposal.

Dr Abdel Khoudaruth

✉ a.khoudaruth@uom.ac.mu

Dr Vikash Oree

✉ v.oree@uom.ac.mu

Dr Yogesh Beeharry

✉ y.beeharry@uom.ac.mu



University of Mauritius, Reduit, Mauritius



TOGETHER FOR A SUSTAINABLE TOMORROW