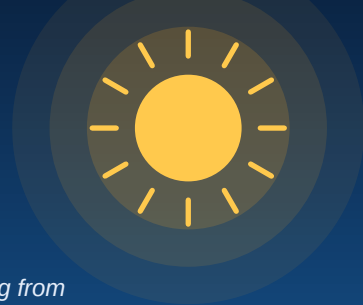


Complete End-to-End Consultancy Services for Photovoltaic Energy Systems



The University of Mauritius offers a comprehensive suite of services in Photovoltaic Energy Systems, ranging from training and feasibility studies to design, project management, testing, and performance monitoring — ensuring sustainable, standards-compliant solar solutions for diverse applications.



1,000+

INDUSTRY PROFESSIONALS TRAINED

120 MW

OF PV PROJECTS LOCALLY

10+ years

OF PROVEN EXPERTISE

Training



We have empowered over **1,000 industry professionals** through structured short courses covering the full spectrum of solar PV technologies—from fundamentals to advanced diagnostics. Delivered via our **Innovative Solar Energy Laboratory (iSOL)**, equipped with **state-of-the-art PV kits and testing equipment**, these programs blend theory with hands-on practice. Participants gain proficiency in system design, installation, testing, and performance evaluation, aligned with **IEC 62446** and **IEC 61724** standards. Two of our flagship trainings are the MQA Approved Photovoltaic Energy Systems and Photovoltaic Energy Systems – Advanced short courses.

Feasibility Studies



We conduct comprehensive feasibility studies that integrate technical, financial, and environmental analyses to determine project viability. Our assessments include solar resource evaluation, site suitability, grid integration, and economic modelling (CAPEX, OPEX, IRR, payback). Each study is tailored to regulatory frameworks and international best practices, enabling clients to make informed investment decisions and develop sustainable, bankable PV projects.

Design, Development & Evaluation of Proposals



Our design and development services ensure that every PV system achieves optimal efficiency, reliability, and compliance. We prepare **tender documents**, conduct **bid evaluations**, and develop detailed engineering designs, equipment specifications, and layout drawings suited to project requirements. By rigorously assessing proposals for technical soundness and cost effectiveness, we help clients select the most qualified EPC partners.

Project Implementation Management & Supervision



We provide full-scope project management and supervision throughout the implementation phase. Our team oversees installation, testing, and commissioning to ensure adherence to design intent and quality benchmarks. By coordinating contractors, suppliers, and regulatory bodies, we maintain project timelines and compliance with safety and performance standards.

Testing



Our testing services validate the electrical integrity and operational performance of PV installations in accordance with **IEC 62446**. Using advanced instruments, we perform earth continuity, insulation resistance, polarity, Voc/Isc, IV curve measurements and full system diagnosis. These tests confirm system safety, detect faults, and verify compliance before grid connection.

Performance Monitoring & Assessment



We implement robust monitoring frameworks based on **IEC 61724** to track system performance, energy yield, and efficiency over time. Through continuous data acquisition and analysis, we identify trends, losses, and improvement opportunities. Our performance assessment reports help clients maintain high availability, optimize generation, and ensure long-term return on investment.

Proven Expertise in Photovoltaic Energy Systems

Over more than a decade, we have successfully delivered consultancy, design, feasibility, supervision, and testing services across a diverse portfolio of PV projects. Our experience spans small-scale rooftop systems through to **multi-MW solar farms**, including feasibility studies for utility-scale PV and hybrid PV+BESS projects. We have prepared tender documents, conducted bid evaluations, performed testing and overseen commissioning for projects ranging from kilowatt-scale to large-scale developments integrating PV with battery storage. Our portfolio covers some **120 MW** of PV projects locally. This breadth of experience demonstrates our ability to provide **bankable, standards-compliant, and high-performance solar solutions** across diverse contexts.

Our Team

Our consultancy is powered by a dynamic team of experts who bring together diverse skills to deliver end-to-end solutions in Photovoltaic Energy Systems. With specialists in **solar PV technologies, civil engineering, economics, and finance**, we combine technical precision with financial insight and structural expertise. This multidisciplinary approach ensures that every project—from feasibility and design to commissioning and performance monitoring—is executed with rigor, innovation, and sustainability at its core.

For more information, please contact:

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