

Sri Lanka Micro-module Power Monitoring Solution



Overview

SPMS is a 4G-enabled Smart Power Monitoring System built using ESP32 and optocoupler-based line detection. It monitors up to 8 power lines per device and reports real-time line status and voltage telemetry to ThingsBoard Cloud for nationwide monitoring across Sri Lanka. -. Micro Power Engineering (Pvt.) Ltd, Sri Lanka was founded in the year 1995. From the inception it focused to the attention of protecting Man & Environment in the business activities. With funding from the Asian Development Bank and support from international. The University of Moratuwa, in collaboration with Chemonics International and SLAM Power Solutions, launched a groundbreaking Renewable Energy Microgrid Pilot Project — a first-of-its-kind smart energy system in Sri Lanka. SLPG's AI and big data driven monitoring.

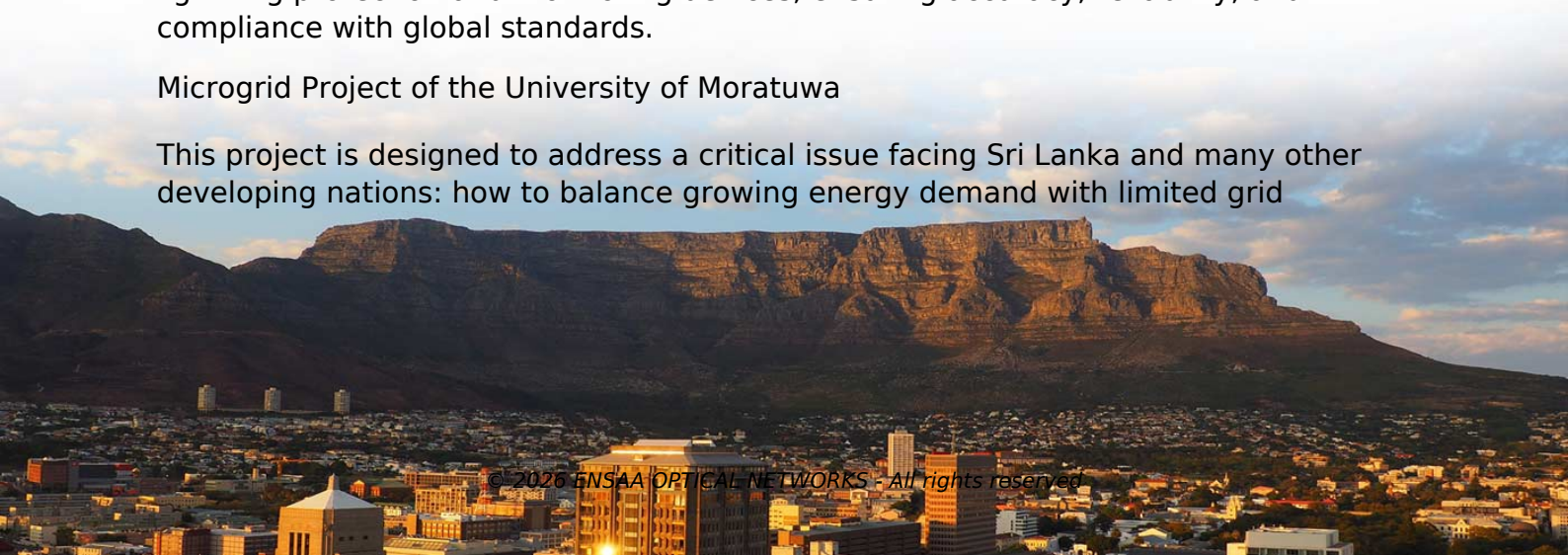
Article Content

Micro Power Engineering (Pvt) Ltd

Through this partnership, Micropower Engineering delivers internationally proven lightning protection and monitoring devices, ensuring accuracy, reliability, and compliance with global standards.

Microgrid Project of the University of Moratuwa

This project is designed to address a critical issue facing Sri Lanka and many other developing nations: how to balance growing energy demand with limited grid



Demand response pilot project for the microgrid at

This project is designed to address a critical issue facing Sri Lanka and many other developing nations: how to balance growing energy demand

Develop an integrated micro-grid control platform for resilient and ...

After a thorough literature review, a control platform with an energy management system was proposed which maximizes PV harvest and directs it to the customers.

Smart Micro Grid Solutions

The smart grid will be able to generate 5-8% more energy through the monitoring and maintenance of the system. SLPG's AI and big data driven monitoring system collects data from multiple data points

Design, Simulation and Real-Time Monitoring of a Microgrid: A Pilot ...

By connecting decentralized energy sources and loads of the two faculties, the microgrid is regulated by an Energy Management System (EMS). The EMS governs power supply source

Top 32 Microgrid Companies in Sri Lanka (2026) | ensun

Sino Lanka Power Gen Pvt Ltd specializes in integrated clean energy solutions, including solar power systems that enhance performance through advanced monitoring technologies. Their commitment to

Renewable Energy | Renewable Microgrids | DIMO Lanka

Sri Lanka's first comprehensive grid-tied renewable energy microgrid project was successfully completed recently at the University of Moratuwa (UOM). It is a well-equipped system that ensures an

Environmental and Power Monitoring | Best Prices & Suppliers in Sri ...

Monitor power usage and environmental conditions with Eastlink's smart monitoring solutions for server rooms and data centers.

WiFi Module Wireless Device With RS232

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TP4056 Lithium Battery Charger | Micro USB Module

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JLanka launches Sri Lanka's first ever Electricity

The pioneer in Sri Lanka's residential solar power electrification, J Lanka Technologies introduced the company's latest innovation ePro1000. Sri Lanka's

Power Supplies

Great Step-up Module with 0.9-5V input, output 5V for many digital devices, so this is really a great module for designing a portable charger. Useful for your U...

Best Solar Monitoring Systems in Sri Lanka | Compare Features ...

Discover the best solar monitoring systems in Sri Lanka. Compare features, sensors, and smart IoT solutions to boost efficiency, reduce losses, and maximize your solar ROI.

IOT Based E-Crop: Smart Agriculture Monitoring System for Sri Lanka

In today's technological era in agriculture, automation is very much vital. Farmers in Sri Lanka use wireless sensor networks in monitoring many parameters in agriculture. Because of the

AQM LK: An Air Quality Monitoring System for Urban Sri Lanka

The lack of a real-time monitoring system prevents the authorities from knowing the current air quality conditions. Therefore, it is clear that air quality monitoring is now a crucial component of smart city

Electricity Monitoring and Management System Sri

The energy management platform gives the big picture of energy consumption across all your buildings via the remote monitoring of electricity counters.

Cost Effective Wireless Network Based Automated Energy Meter Monitoring ...

Cost Effective Wireless Network Based Automated Energy Meter Monitoring System for Sri Lanka Perspective May 2018 International Journal of Information Technology and Computer

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

