

A COURSE ON
INTRODUCTION TO OPERATION AND MAINTENANCE OF GRID CONNECTED
PHOTOVOLTAIC (GCPV) SYSTEMS

Duration: 2 days

Method of teaching: Face to Face

Trainer: Assoc. Prof. Dr. Shahril Irwan Bin Sulaiman

The "Introduction to Operation and Maintenance of Grid Connected Photovoltaic (GCPV) Systems" provides a comprehensive overview of solar energy systems, focusing on grid-connected photovoltaic (PV) systems. The workshop covers a wide range of topics, from the tools and measurements used in solar energy analysis to site visits and practical considerations for installation, testing, commissioning and maintenance.

Contents:

Tool and Measurements

- Solmetric PVA-1500V PV Analyzer & DJI Matrice 300 RTK Thermal Drone
- Site visit of UiTM Solar Park I, Gambang, Pahang/ UiTM Photovoltaic System

Solar energy

- Basic Solar Engineering

Overview of grid-connected photovoltaic systems

- Principle operation, available schemes, types and related standards

System components

- PV module technologies and information from datasheet
- Inverter, structure, cable (DC and AC), breakers (DC and AC), fuse, SPD etc

Installation, testing and commissioning

- Issues and guidelines

Operation and maintenance

- Schedule and corrective maintenance

Monitoring and performance

- Sensors requirements. Monitoring parameters and data interpretation

Relevance

- Engineer / Competent Person / Qualified Person
- Technician / Charginan / Wireman / Installer
- Contractor / Service Provider
- Project Manager / Regulator

- Academia / Researchers

Venue

TBD

Fee

MYR1500

Contact

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