

PHOTOVOLTAIC (PV) PERFORMANCE MONITORING SYSTEMS

25-26 MAY 2023 | SHAH ALAM



PROGRAM OVERVIEW

This intensive training course provides guidance for monitoring system choices as outlined in IEC 61724-1, *Photovoltaic system performance – Part 1 - Monitoring*.

The purpose of PV monitoring systems is to provide/report data on energy potential, energy extracted, operational temperature analysis of various defects that may arise, and energy loss related to them. The monitored data can also be utilised for early detection and warning, assessing climate changes, and other purposes.

This is where ISO 61724-1 is essential as it details out terminology, equipment, and methods for performance monitoring and analysis of photovoltaic (PV) systems.

This training will also highlight on the terminology of solar photovoltaic energy systems as outlined in IEC 61386, *Solar photovoltaic energy systems – Terms, definitions and symbols*.

COURSE CONTENTS

- Introduction and overview
- Solar PV terminology
- Monitoring systems classification
- Methods of measurements, calibration, data acquisition, analysis and documentations

OBJECTIVES

- To introduce participants to the IEC 61724-1 and IEC 61386.
- To explain terminology, equipment and performance monitoring methods

WHO SHOULD ATTEND?

Engineers, Chargeman; Wireman, Contractors; Service providers, Technicians; Installers, Certification bodies, Project managers, Qualified persons, Regulators & Government agencies, Academia; Researchers

FEE: RM 2,200
(exclusive of 6% SST)

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OUR SPEAKERS



Dr. Sulaiman Shaari is a Member of the Board of Directors of UiTM Holdings Sdn. Bhd. since his appointment on 17th November 2021. He is also presently a member of the Sustainable Energy Development Authority (SEDA) Malaysia Technical Committee on safety. He is a certified Chief Global Trainer by the Global Green Energy Industry Council (GGEIC); an acknowledged Master Trainer for the SEDA Malaysia series of courses on photovoltaic (PV) systems; Master Trainer appointed by the Malaysian Photovoltaic Industry Association (MPIA); and is Train-the-Trainer accredited by the Human Resource Development Fund (HRDF) Malaysia. He is involved in PV system applications development and human capacity cultivation in both the government and industry in research, consultancy and expert advice in various forms, including local and international organisations for many years.



Dr. Ahmad Maliki Omar holds a Ph.D. in power electronics from University of Malaya, and M.Sc. in electrical engineering from Loughborough University, UK and B.Eng. (Hons.) in electrical engineering from University of Malaya. He is active in teaching, training, consultancy and research in solar photovoltaic (PV) power system, power electronics and dedicated controller. He has been the Malaysian representative at IEA-PVPS Task 11, Deputy Chairman of the PV Working Group for MS development and Honorary Professor at Faculty of Electrical Engineering, Universiti Teknologi MARA, Shah Alam. He is currently an Honorary member of the Malaysian Photovoltaic Industry Association and a Master Trainer and Examiner for the SEDA competency courses

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