

● Live Sessions

📅 March, 2023

# Solar O&M Professional "SOMP"

30

Hours



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## Course outline

### Trainers:

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# Course Outlines:

- **O &M overview**
  - Operation and maintenance Definitions.
  - Stakeholders contributions
  - O&M Concept & Consideration.
  - International standard.
- **O&M Contract**
  - Contract types
  - Contract lifetime
  - O & M Agreements
- **O&M Safety**
  - HSE definition and rules
  - Site hazards
  - Legislation
  - Incident reporting

# Course Outlines:

- **Asset management**
  - Life cycle & project management
  - Risk management in the operational phase
  - Handover of solar assets
  - Procurement
  - Resourcing
  - Data management & Documentation
- **Operational Inspection/ TDD**
  - Definitions
  - Importance of the Inspection
  - Visual inspection
  - Testing overview and Performance
  - Contract review

# Course Outlines:

- **System KPI's**
  - Smart Remote monitoring
  - Utility Meter data
  - Energy yield
  - PR Check calculation
  - Availability
- **Technical asset management**
  - **Operation**
    - Documentation and record control
    - System performance analysis
    - Grid code compliance
    - Management of change
    - Security

# Course Outlines:

- **Technical asset management**
  - **Predictive maintenance**
    - Definitions
    - Approach & Diagnostics
    - Failure Mode & Effect Analysis FMEA
  - **Preventive maintenance Predictive maintenance**
    - Definitions
    - Approach
    - LOTO (Log out-Tag out)
    - Routine checklists
  - **Corrective maintenance**
    - Definitions
    - Correction action procedures
    - Service level agreement
    - Claim management



# Course Outlines:

- **Testing & IR**
  - Testing overview
  - PV system testing
  - Thermal imaging inspection
- **Spare part**
  - Spare parts management
  - Spare part min list
  - Spare part storage
- **Ancillary services**
  - Cleaning
  - Vegetation management
  - Waste management

# Course Outlines:

- **O&M Economic and financial Overview**
  - Asset manager financial roles
  - Cost classifications
  - Cash flow management
  - Financial indicators
- **Case study**



**THE  
END**

