

Solar Technologist

Job Redesign & Progressive Wage Model (PWM)

Supported by NTUC ,e2i, SEAS logo

As Singapore taps on greater use of clean energy like solar, there will be greater demand for manpower in this sector.
A strong Singaporean core workforce in the solar industry is essential to ensure reliability on clean energy.

The Job Redesign & PWM aims to achieve:

Better job progression

Higher skills training and certification

Better pay for Singaporeans

Raise productivity through upskilling

Nitec / Higher Nitec / Diploma

Diploma / Degree with Experience

Diploma / Degree or Higher Nitec with at least 8 years relevant experience

Trainee Solar Technologist

Solar Technologist

Senior Solar Technologist

Principal Solar Technologist

Multiple pathways for Singaporeans to enter and advance:

- Fresh graduates
- Mid-career switchers
- Existing workers (through upskilling)

OJT + Certifiable Training

Job Description

Certificate of Competency (CoC) in Solar Photovoltaic (PV) & Standby Generator Supply (18hrs), Electrical Installation Code of Practice (30hrs), Electrical Installation Inspection & Testing (30hrs), Electrical Switchboard Testing & Maintenance (30hrs) by ITE

- Perform installation, testing and maintenance work under guided supervision

Perform PV Installation & Maintenance (60hrs by SEAS) OR Solar PV Course (60hrs by SP)

- Installation and testing to determine readiness for commissioning of systems
- Interpret data from computing devices, equipment and machines in a networked environment to provide specific solutions
- Manage the overall maintenance of transmission and distribution facilities

Design PV Systems and Analysis of data from computing devices (56hrs by SEAS)

- Design of solar Photovoltaic (PV) systems according to project requirements and site constraints
- Analyse data from computing devices, equipment and machines in a networked environment to provide specific solutions

- Project Management Skills (32hrs by SMF, 21hrs by SEAS)
- Assess feasibility of PV Installations (21hrs by SEAS)

- Plan, execute, track and govern projects
- Assess feasibility of solar Photovoltaic (PV) installations for buildings based on location and energy assessments