



[Program Library](#) > [Renewable Energy](#) >

# Solar PV

Virtual Reality

Virtual Environment

Augmented Reality

E-Learning

## Overview

In the Solar PV program, learners apply and test their knowledge on all aspects of the system from components through to maintenance.

[Learn more](#) >

## Contents

### Virtual scenarios

- ▶ [System design](#)
- ▶ [System maintenance](#)

### E-Learning modules

- Overview and considerations
- Health and safety
- Solar PV basics
- Types of solar PV panels
- System components
- System design
- Pre-installation
- Installation
- PV protection
- Commissioning
- Handover and maintenance

## Learning outcomes

By completing this program, it is expected that learners will:

- Understand health and safety issues when carrying out work.

- Explain what solar PV is and understand the efficiency of different solar PV materials.
- List the unit components of different solar PV systems.
- List the principles of solar PV materials selection and system design.
- Explain how solar PV systems works.
- Explain the preparatory work required for installation and know how to install a solar PV system.

## Standards supported

The program has been designed by our partners to align with Occupational Standards.

## Program Partners

This program was developed in partnership with the following organisations:

