

Heat Pumps

Virtual Reality

Virtual Environment

Augmented Reality

E-Learning

Overview

From understanding different types of systems to inspections and fault diagnosis, this program will challenge, educate and engage learners.

[Learn more ›](#)

Contents

Virtual scenarios

- ▶ [System installation](#)
- ▶ [System commission and handover](#)

E-Learning modules

- Overview and considerations
- Health and safety
- Heat pumps type
- Ground source heat collectors
- Air source collectors
- System design
- Installation
- Testing, commissioning and handover

Learning outcomes

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

- Understand health and safety issues when carrying out work.
- Explain what a heat pump is and how to calculate the efficiency of a heat pump.

- List the unit components of a heat pump.
- Explain how ground source and air source heat collectors' work.
- List the principles of heat pump selection and system design.
- Explain the preparatory work required for installation and know how to install a heat pump.
- List the requirements and know how to test, commission and handover heat pump installations.

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:

