CASE STUDY

Royal Portrush Golf Club, Northern Ireland

Installation Date | November 2023

PURPOSE: Solar thermal installation

SITE DETAILS

Building	Grounds maintenance facility
Previous heating system	Oil Fired Central Heating (OFCH)
Storage	300L cylinder

INSTALLATION

Product	Three pressurised Senergy panels. Total gross area = 6.06m^2
Roof Mount	A-frame mounted to steel roof
New heating system	Solar thermal + OFCH
Savings	2675 kWh and 695 kg of CO_2 per year

INSTALLATION INFORMATION

The Royal Portrush Golf Club recently made significant renewable energy improvements to its greenkeepers' facility.

A Solar PV system was installed largely covering the roof to maximise electricity generation. Given the facility's high demand for hot water, a solar thermal system, which is 3.5 times more efficient than PV for hot water generation, was included. As a result, this setup allows the PV system to focus on generating electricity for other uses.

Senergy installed the Solar Thermal panels on a custom-designed A-frame structure, engineered to withstand the area's strong coastal winds and fit securely on the steel roof. The hot water generated feeds the greenkeepers' cleaning operations, kitchen and showers.

To complement the system, Senergy installed an integrated data monitoring system that enables performance tracking and issue detection. The data insights led to operational adjustments, achieving significant energy savings and improved efficiency. The project highlights the value of combining solar technologies with intelligent monitoring to deliver sustainable, energy-efficient solutions.

Solar Thermal & Solar PV - A Perfect Partnership