

CASE STUDY

Manor House Hotel, Rathlin Island, NI

SENERGY

Installation Date | Nov 2024



PURPOSE: Solar thermal installation upgrade

SITE DETAILS

| | |
|--------------------------------|--|
| Hotel | 12 bedrooms, restaurant, event space, circa.1756 |
| Ground mount | South facing / 40 deg. tilt |
| Previous heating system | Oil Fired Central Heating (OFCH) |

INSTALLATION

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|---------------------------|--|
| Product | Five pressurised Senergy panels. Total gross area = 10.1m ² |
| Storage | 500L cylinder |
| New heating system | Solar Thermal + OFCH |
| Savings | 4500 kWh and 1170 kg of CO ₂ per year |

INSTALLATION INFORMATION

The Manor House Hotel, located on Rathlin Island, had a small, non-functional solar thermal system. The previous installation consisted of two panels mounted on an embankment that had become heavily overgrown with trees. Senergy undertook the task of revitalising the site and clearing the overgrowth obstructing sunlight to the solar thermal panels.

The team installed five new Senergy panels, carefully designed to optimise the system's contribution to the hotel's hot water demand. New fittings and flexible insulated piping were added, and the system was connected to the existing 500 litre hot water cylinder.

To maximise efficiency, Senergy also installed a digital monitoring system, enabling the Manor House to track performance in real time.

Old, outdated solar thermal systems can be replaced and upgraded with a modern Senergy Solar Thermal System

