

CASE STUDY

Three Bedroom House, Belfast, UK

SENERGY

Installation Date | July 2023



PURPOSE: Solar thermal retrofit installation to supply hot water

SITE DETAILS

House	3 bed house, semi-detached, circa 1980s
Roof	South facing / 45 deg. tilt
Previous heating system	Oil Fired Central Heating (OFCH)

INSTALLATION

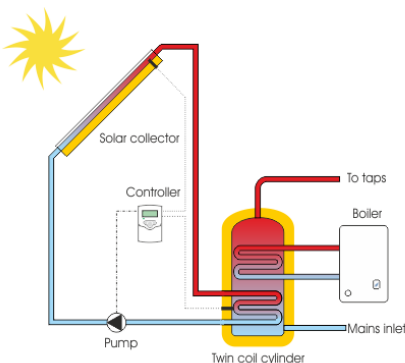
Product	Two flat plat Senergy panels, gross area = 4.04m ²
Storage	Twin coil 250L hot water cylinder
New heating system	Solar thermal + OFCH
Savings	1783kWh and 463kg of CO ₂ per year

SOLAR THERMAL BENEFITS

- Endless amounts of energy, free of charge.
- Negligible CO₂ emissions during operation.
- Reduced consumption of fossil fuels.
- Easily integrated into existing heating systems.
- Modern systems work efficiently even in winter.
- Easy to install & limited maintenance.

60%
less energy to heat
hot water

Saving Money & Carbon



INSTALLATION HIGHLIGHTS

- Real time data monitoring in place.
- Collectors heat the water in sunny and cloudy conditions.
- Oil consumption is minimal in the summer months due to the high performance of the solar thermal system.
- Consistent supply of sustainable low-carbon hot water.
- Increased energy efficiency of the dwelling.
- Reliable operational performance.