

Solar Energy

Harness the Sun

SOLAR THERMAL ENERGY

Solar Thermal Energy is a fantastic technology for reducing water heating costs. The technology is over 200 years old and works simply by exposing solar panels to sunlight making the panels hot. This free heat is then used to heat water.

Ireland receives only 25% less sunlight than you get in Spain so we have a very effective solar resource here. With an estimated 10,000 buildings in Ireland using solar thermal today the technology is tried, tested and working brilliantly.

Uses:

- Hot Water Heating
- Space Heating Support
- Commercial Process Heating
- Financial Savings:
- Solar thermal systems can save up to 70% on hot water bills and will provide totally free energy for over 20 years.
- Grants available:
- €1200 available from SEAI Better Energy Homes Scheme
- CO₂ savings
- Solar thermal systems are great at reducing CO₂ emissions as the fuel source (the sun) is completely clean. Recommended for entities involved in ISO 50001 certification.

SOLAR PHOTOVOLTAIC (PV)

Solar Photovoltaic (PV) technology is the most versatile renewable energy source available. Solar PV panels generate electricity when they are exposed to sunlight so can be used to add clean cost effective power to almost any situation.

The solar panels can be easily installed on any building or on the ground and can be grid connected or stand alone. Solar PV literally brings energy home allowing a building to become more energy independent and insulated from high electricity price inflation.

Uses:

- Electricity generation for offsetting electricity use in any building or situation.
- Cost effective technology for achieving Part L renewables compliance on new build projects
- Great synergy with heat pumps, PV production offsets the electricity used for heating.
- Financial Savings:
- Small to medium sized Solar PV systems can produce electricity at a cost as low as €0.13 ex VAT per kWh over 20 years. This is cheaper than any standard utility price and will not increase due to inflation.
- CO₂ savings
- Solar PV systems are great at reducing CO₂ emissions as the fuel source (the sun) is completely clean. Recommended for entities involved in ISO 50001 certification.

