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Think FREE electricity, think Solar Co.

Reduce Cost- Reduce Carbon

Solar PV helps businesses in Ireland to reduce energy bills dramatically and meet their carbon targets!



Why Solar PV?

Solar PV has become one of the most popular sources of renewable energy,

Offering a zero carbon solution that delivers a significant return on investment, with the ability to scale.

And despite what some expect, Solar panels can generate energy on cloudy days.



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Total energy solutions provided by Woodco & SolarCo



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Our Solar PV Solutions



No greenhouse gases or pollutants emitted



SolarCo expertise & experience.

Maximise ROI & CO2 savings.

Available as a fully funded solution.



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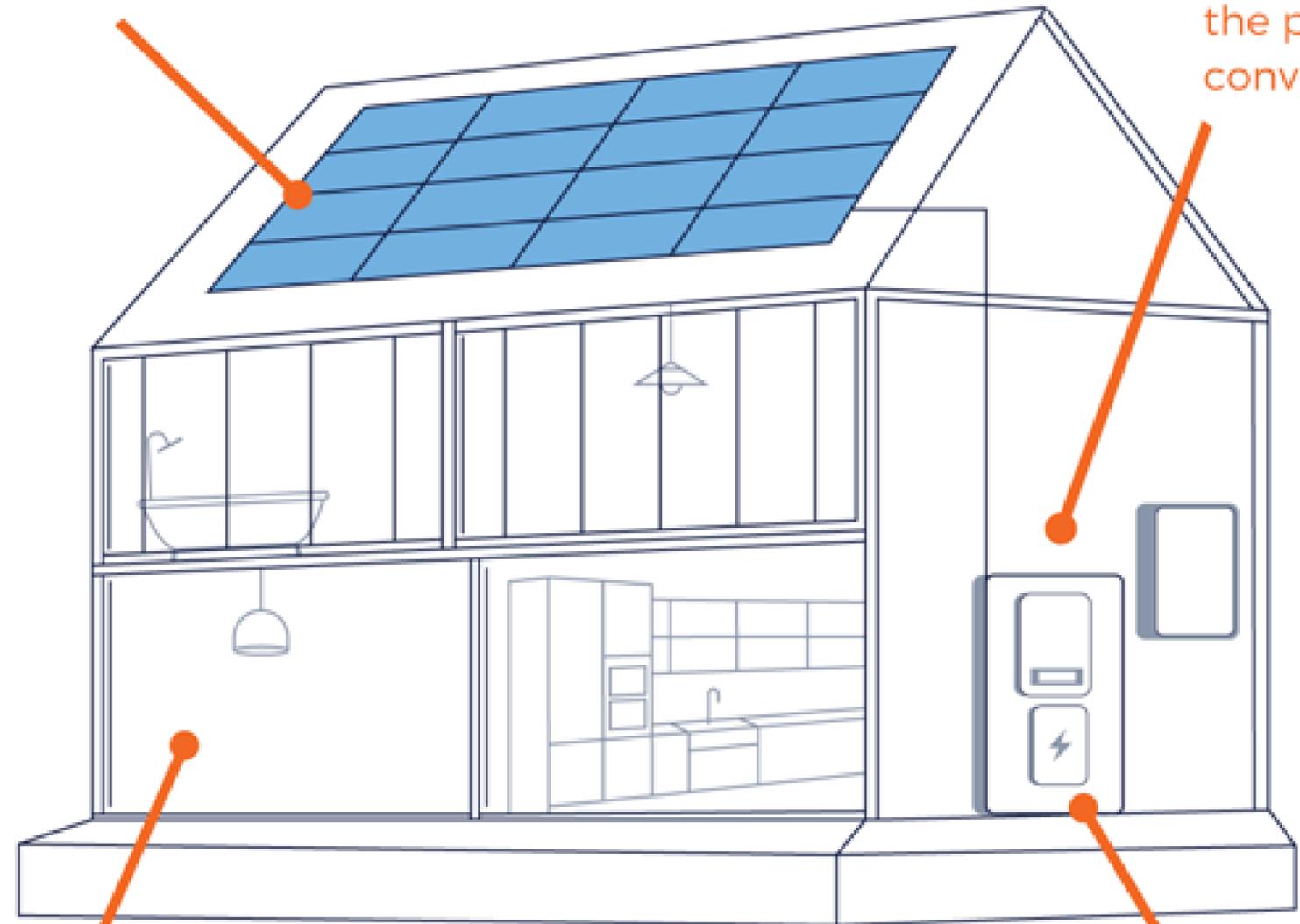
How Solar PV Works

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① When light strikes PV solar panels, a DC electrical current is generated.

② An inverter draws DC electricity from the panels and converts it to AC.



③ The electricity generated is used to power your appliances and heat your water cylinder with the Solar iBoost water heater.

④ Any excess electricity that you are not using can be stored in a battery.

Benefits of Solar PV with SolarCo

- Significant cost and carbon savings.
- Contribute to Ireland's renewable energy targets.
- Reduction in carbon intensity of business.
- Energy cost savings and certainty.
- 100% renewable solution.
- Proven experience of installing Solar PV systems.
- Robust system with minimal maintenance done by SolarCo.
- All weather system.
- Scalable and adaptable.
- Utilising vacant space on your rooftop or on ground with minimal visual impact.
- Marketing opportunity and corporate social responsibility.



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SolarCo Project Process

Initial Call & Online
Preliminary Proposal



Site Survey

Full Proposal



Design Agreement

Contracts



Installation of Solar PV



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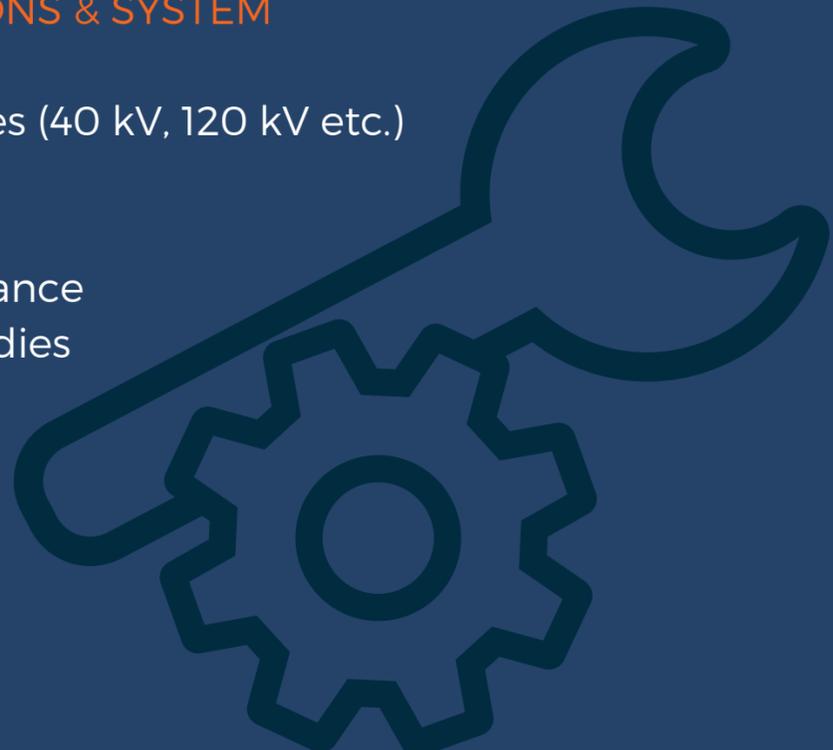
Solar PV Scope of Service

DESIGN & ENERGY

Solar PV technology selection
Layout design
DC Cabling and Inverter design and specification
Solar data processing and energy yield estimates
Full costings & assist with Grant Application

GRID CONNECTIONS & SYSTEM

Connection studies (40 kV, 120 kV etc.)
Route selections
Grid applications
Grid code compliance
Power system studies
Storage- Battery



CIVIL & ENVIRONMENTAL

Feasibility, site appraisal and selection
Environmental impact assessment

PROJECT MANAGEMENT & HEALTH & SAFETY

Contractor management
Site supervision
Health and safety management
Procurement management
Factory Acceptance Testing



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Selection of Companies Who Trust SolarCo



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Solar Case Study: United Metal Recycling

SolarCo partnered with UMR to install a 165kW Rooftop Solar PV Array to help them reduce their carbon footprint and meet renewable energy targets while reducing their energy bills dramatically.



ARRANGEMENT:

SolarCo examined UMR electrical usage and needs and conducted site survey to identify that a 165kW Solar PV System to meet their distinct needs. Solarco developed a full solution, including design, installation costing and payback calculations.

RESULTS:

The 165kW PV system which consisted of 600 panels. The system is expected to save over 1,800 tons of CO2 over the project life. 135,000kwh of free electricity per annum.

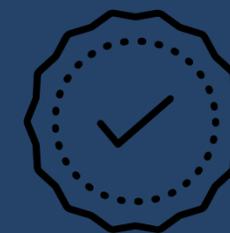


WHAT DID SOLARCO HAVE TO DO:

To generate enough clean, renewable electricity to eliminate summer demand. To make substantial saving on their high energy bill while reducing the carbon footprint of the business.

WHY THIS SOLAR PROJECT IS BETTER:

Generates 50% of daytime usage - Potential elimination of summer demand. Provides significant environmental benefits as the process does not produce greenhouse gases. They have the potential to sell excess energy back to the grid.



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Solar Case Study: Hill Top Agri. Farms

Wanted to reduce energy usage and make their farm more sustainable while reducing carbon footprint and saving money on expensive electricity bills.



ARRANGEMENT:

The project was developed and installed by SolarCo, part of Woodco Energy, the biomass boiler specialists. SolarCo had to develop a full solution and from initial site survey to completion had to be two weeks.

RESULTS:

The 150kW PV system which consisted of 337 panels. The system is expected to save over 1,750 tons of CO2 over the project life. Generates 135,000kWh of free electricity per annum. Project completed in 2 weeks.



WHAT DID SOLARCO HAVE TO DO:

To use idle roof space at Hill Top Agri Farms to generate clean, renewable electricity by implementing a solar PV system. This resulted in big savings for the farm.

WHY THIS SOLAR PROJECT IS BETTER:

Almost 100 percent of energy generated by the solar PV system is used on site. This Solar PV system contributed to Hill Top Agri Farms reducing their carbon footprint. SolarCo provides on-going customer support.



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Contact us

To see how we can transform your businesses energy usage.

web: www.solarco.ie

email: info@solarco.ie

SolarCo is part of Woodco Energy, the biomass boiler specialists, with founding roots back to the 1970's.

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