



CASE STUDY

Iceland

Installed in

2
Weeks

Annual
reduction of

17
Tonnes
of CO₂ emissions

82,842

kWh Annual
Energy Generation

88

kWp

Array output

Iceland Foods Limited, one of the UK's fastest growing food retailers with over 800 stores nationwide, sought to reduce operational costs and improve its environmental footprint across a number of their Iceland and The Food Warehouse sites.

As part of its ongoing commitment to sustainability, Iceland identified 19 sites - one core site and 18 The Food Warehouse sites - for a rooftop solar system rollout. The initiative is designed to secure long-term savings, support its corporate social responsibility (CSR) goals, and provide greater resilience against fluctuating energy prices.

As the first food retailer globally to sign up to the Amazon Climate Pledge – a commitment to be net-zero by 2040, a decade ahead of the Paris Agreement's 2050 target – Iceland needed a delivery partner that could match its ambitious sustainability targets with technical precision and speed. The business needed a large-scale solar energy solution that was both cost-effective and tailored to the specific needs of each location.

THE PROCESS

Delivering a large-scale rooftop solar rollout across 19 of Iceland's sites posed a complex logistical and operational challenge – with each site's structural differences and energy demands needing to be considered. Maintaining uninterrupted retail operations during installation was critical, with tight timelines and the need to avoid customer disruption adding further complexity.

THE RESULT

Following a competitive tender process, Iceland appointed Shawton Energy to deliver rooftop solar installations across The Food Warehouse estate. Shawton Energy was selected due to its professional presentation, proven track record with multi-site installations, and ability to deliver a fully integrated, turnkey solution.

The first installation took place at the pilot site – Iceland Penny Lane in Wavertree, Liverpool. The 80kW system is estimated to save the retailer over 17,500 kg of CO₂ annually.



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