



# CASE STUDY



Installed in  
**3**  
**Weeks**

Iceland Foods, one of the UK's leading food retailers, continues to advance its sustainability strategy by expanding renewable energy generation across its store portfolio. With over 1,000 stores nationwide, the company is committed to reducing its carbon footprint and achieving net zero by 2040, ahead of global climate targets.

As part of this journey, Iceland partnered once again with Shawton Energy to deliver a rooftop solar installation at its Bridgend store, reinforcing its commitment to long-term, sustainable energy solutions.

Annual reduction of  
**32**  
**Tonnes**  
of CO2 emissions

### THE PROCESS

Shawton Energy installed a rooftop solar PV system at Iceland's Bridgend site under a 25-year Power Purchase Agreement (PPA). The 149.5 kWp system, comprising 299 solar panels, was designed to integrate seamlessly with existing store operations. The installation took place over a three-week period and was completed with minimal disruption to day-to-day trading.

**112,051**  
**kWh**  
Annual Energy Generation

Working closely with Iceland's operational and sustainability teams, Shawton Energy ensured the project met both performance and aesthetic requirements. The PPA funding model provided Iceland with immediate access to renewable electricity generation without upfront capital expenditure, while guaranteeing predictable energy costs over the lifetime of the agreement.

**149.5**  
**kWp**  
Array output

### THE RESULT

The rooftop solar system now generates approximately 112,051 kWh of clean electricity annually, saving around 32,017 kg of carbon each year. The new system directly contributes to lowering Iceland's Scope 2 emissions, enhancing the retailer's energy resilience and reinforcing its nationwide sustainability objectives. This successful project builds on previous installations across Iceland's UK estate, supporting the company's structured solar rollout as part of its wider renewable energy programme.



01925 794 874  
www.shawtonenergy.co.uk  
hello@shawtonenergy.co.uk