



# CASE STUDY

**the food  
WAREHOUSE**

Installed in

**2**

**Weeks**

Annual  
reduction of

**13**

**Tonnes**

of CO<sub>2</sub> emissions

**65,353  
kWh**

Annual Energy  
Generation

**67.32  
kWp**

Array output

Iceland Foods, one of the UK's leading food retailers with over 1,000 stores and more than 28,000 employees, continues to strengthen its commitment to sustainability through the adoption of renewable energy.

Dedicated to achieving net zero carbon emissions by 2040, a dull decade ahead of the Paris Agreement target, Iceland has again partnered with Shawton Energy to add another site to their solar portfolio. This site, based in Dereham, forms part of the company's wider renewable energy rollout across its UK estate.

## THE PROCESS

Shawton Energy delivered a turnkey rooftop solar PV solution under a 25 year Power Purchase Agreement, allowing Iceland to benefit from renewable electricity generation without upfront investment.

The Dereham installation consists of 132 solar panels covering 293.5 m<sup>2</sup> of generation surface and providing an installed capacity of 67.32 kWp. The project was completed following a two week installation programme, with works managed to ensure minimal impact on daily operations.

Shawton Energy worked closely with Iceland's internal teams to ensure compliance with all safety standards and seamless system integration.

## THE RESULT

The Dereham solar installation generates approximately 65,353 kWh of renewable electricity annually, saving 13,851 kg of CO<sub>2</sub> each year.

The system reduces exposure to energy price volatility while lowering operational emissions. As part of Iceland's ongoing solar rollout, the Dereham project demonstrates how renewable energy can be successfully integrated into live retail environments while supporting the company's Net Zero 2040 commitment.

*Images show a similar site and are not of the actual location.*