



## Iceland Distribution Centre

Designed and delivered by Seed Renewables

Funded by Zestec Renewable Energy &  
Powered by Octopus Energy Generation

### Project Overview

Seed Renewables successfully designed and delivered a **1.5 MW rooftop solar PV installation** at Iceland's distribution centre in Livingston, Scotland. Funded by Zestec Renewable Energy and powered by Octopus Energy Generation, the project enables Iceland to reduce energy costs, lower carbon emissions and accelerate progress towards its sustainability objectives.

Iceland Foods is one of the UK's fastest-growing retailers, with close to 1000 stores nationwide. The Livingston distribution centre plays a critical role within the company's supply chain network, supporting stores across the UK.

The installation of **3,300 solar PV panels** across the site's extensive roof space creates a renewable energy asset capable of generating approximately **1.6 GWh of renewable energy annually**.

### Project Highlights:

**1.5 MW** rooftop solar PV system

**3,300** solar panels

**202** tonnes per annum estimated carbon savings

**1.6 GWh/Year** system production

**95%** own power consumption

**14** weeks project duration



*"Sustainability remains a key focus for Iceland, and this project represents another significant milestone in reducing carbon emissions across our operations. The Livingston distribution centre is a critical part of our UK supply chain network, so maintaining business continuity was essential. We were impressed by the professionalism, expertise and collaborative approach demonstrated throughout the project, which was delivered safely and with minimal disruption to our operations."*

**Graham Ireland**  
Director of Energy and Maintenance  
Services, Iceland Foods

## The Challenge

As one of the most important facilities within Iceland's UK distribution network, the Livingston site required a carefully managed delivery programme that could be executed without disrupting day-to-day operations.

Working closely with Iceland, GXO, their facilities and logistics teams, and existing contractors, Seed Renewables coordinated all aspects of the design and installation of the solar PV system, including crane operations, material movements, rooftop works and the major electrical shutdowns required to integrate the new solar infrastructure.

Leveraging Seed Renewables' strong electrical expertise, detailed shutdown strategies were developed and executed to connect the solar system and ensure critical site operations remained unaffected while safeguarding millions of pounds worth of frozen and ambient stock held within the distribution centre.

Despite challenging Scottish weather conditions in an exposed site near Edinburgh and the complexity of operating within a live logistics environment, the project was delivered safely and successfully within a 14-week programme.

*"Our partners Seed Renewables, installed a well-designed, safely constructed robust asset, that will silently generate clean renewable energy for years to come with minimal impact. The frozen food sector's energy demand is a prime example of a high static electrical load that can be easily supplemented by solar electricity. At this site, the rooftop solar system will contribute, long term, to carbon reduction and energy cost saving for the well-known high street brand."*

**Russ Kelsall**  
Senior Project Manager, Zestec Renewable Energy



## The Outcome

The completed solar PV system now provides a significant source of renewable electricity for the UK distribution centre, delivering measurable environmental and commercial benefits for Iceland.

Through careful planning, strong stakeholder collaboration and an unwavering commitment to health and safety, Seed Renewables successfully integrated large-scale renewable energy infrastructure into a complex operational environment while maintaining business continuity throughout delivery.

The project demonstrates how commercial and industrial businesses can reduce energy costs, improve energy resilience and lower carbon emissions without compromising operational performance and supporting long-term sustainability objectives.

*"We are proud to have delivered this large-scale solar PV installation and it has been a real pleasure working with Iceland, GXO and Zestec throughout the project. The strong partnership between all stakeholders enabled us to successfully deliver a complex scheme while creating a high-performing renewable energy asset that will provide long-term value."*

**Brenton Spear**  
Chief Operating Officer, Seed Renewables

**Empower your business operations with renewable energy.**

Partner with Seed Renewables to reduce costs, lower carbon emissions and support your sustainability objectives.