



ALDI CASE STUDY

Aldi's new super-efficient cold store warehouse and distribution centre at Goldthorpe, near Barnsley, features high performance Kingspan insulated panels and a roof mounted PV system.

PROJECT SUMMARY

Due to open in 2015, the multi-million pound development, including warehouse, chilled food storage areas and office space, totalling 52,000 m², will serve Aldi's growing portfolio of stores.

Expected to operate 24/7, 365 days a year, the new building delivers a high performance, environmentally friendly solution, with extremely low running costs. It features a unique single envelope design by ISD Solutions and incorporates high performance insulated panels and a solar PV system from Kingspan.

ISD Solutions managing director Tony Wall says: *"We have been working with Aldi across a number of in-store frozen and chilled food storage solutions and this is our first stand alone warehouse project for the Group. The range of composite panel technology incorporated in this project, together with the solar PV system, makes this a truly state-of-art warehouse structure."*



SYSTEM PERFORMANCE

Both the ambient and the chilled areas of the warehouse feature roof mounted PV systems, designed, supplied and installed by Kingspan Energy.

The 1.5 MWp solar PV array covers a total area of 15,000 m² and consists of 6,000 250 Wp modules. It will provide Aldi with 1.2 GWh of electricity per annum, further improving the energy performance of the building and reducing its running costs.

Kingspan Energy's Commercial Manager, Aisling McArdle commented: *"The new Aldi distribution centre at Goldthorpe is one of the largest solar PV installations on a cold store facility in the UK, and we are pleased to have completed it in a relatively short time frame of less than three months. Our PV systems will significantly reduce Aldi's electricity costs on this site, ultimately contributing to their continued growth and penetration into the UK market".*



PROJECT CARD

Building owner: Aldi
Location: Goldthorpe, near Barnsley
System size: 1.5 MWp
Roof space coverage: 15,000 m²
Project type: New Build
Sector: Retail/Distribution
Completion date: March 2014
Installation time: under 3 months

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