

# ASDA

## LEICESTER SUPERSTORE



### KEY FEATURES

- Appointed to design, supply and install Solar Photovoltaic system for the new build superstore
- Drastically reduced the store's operational costs and electricity usage
- System designed to provide compliance with planning regulations, building regulations and ASDA energy policy
- Innovative design utilising both south and north facing roof façades
- Nominated and runner up as 'Commercial Rooftop of the Year' 2014 at the Solar Power Portal Awards
- Worked with ISG Construction as part of new build project to deliver on time.

### THE DETAILS

**Project title:**  
ASDA Leicester

**Client:**  
ISG Construction

**Technology:**  
Solar Photovoltaic

**Array Size:**  
246kWp - 1,625 m<sup>2</sup>

**Estimated Energy Savings:**  
197,538 kWh / annum

**Services:**  
System analysis, design,  
supply and installation

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## THE BRIEF

As part of Asda's commitment to reducing its energy usage across its stores, sustainable energy sources are considered as part of new build installations.

G&H Sustainability were appointed by ISG Construction Ltd to design, install and commission a 246kWp system that would provide compliance with the new build specification, planning conditions and building regulations.

Working closely with the design team at DDA and construction team at ISG Plc, G&H Sustainability ensured the design and installation of the system was carried out in a timely and efficient manner to deliver on time



## OUR APPROACH

The store's 2,200m<sup>2</sup> roof area provided enough scale for us to design a large-scale solar PV system.

The 1,625m<sup>2</sup> array consists of nine hundred and eighty four 250W panels utilising both the north and south facing areas of the roof to provide maximum coverage and energy generation.

The works were carried out during the construction of the £7m new build undertaken by ISG Construction Plc

The system works to reduce the carbon footprint and operational costs of the ASDA site and has been implemented in accordance with ASDA's long term energy reduction strategy.

The project was installed, commissioned and handed over within the project deadlines enabling the store to benefit from energy savings at the earliest opportunity.

The installation was short listed as 'Commercial Rooftop Installation' at the 2014 Solar Power Awards.