

# CASE STUDY



## Key Information:

Existing on site use - 120,000 kWh P/A  
Renewable generation - 43,700 kWh  
30% reduction in grid supplied electricity  
Tonnes of CO2 saved - 23 P/A

## Customer: Sangwin Group

### Introduction:

The Sangwin Group is a 5th generation family run business based in Hull. The company's core activities are in construction, civil engineering and plant hire and the company operates throughout the UK.

### Challenge:

Educational Furniture manufacture has been a more recent diversification for The Sangwin Group and it was this business that was required to improve its green credentials and improve energy efficiency. A biomass heating system, fuelled by offcut timber from the furniture manufacturing process had already been installed and as the site was too constrained for wind generation Solar PV became the next logical choice.

### Solution:

A 50kW solar pv array was installed on the roof of the furniture manufacturing unit in Feb 2013. The array produces over 44,000 kWh of green electricity every year and this saves nearly 24 tonnes of carbon dioxide from being emitted into the atmosphere.

## Clients Comments:

Thank you very much for all your advice and help guiding us through the whole process. It was a smooth process from start to finish. Here's to the next year's power generation!

**David Spurgeon. FD The Sangwin Group.**

