

# Case study

## Waxman Energy Ltd

One of the **UK's largest** independent solar distributors  
Waxman Energy required an application allowing customers to specify PV kits for their projects.

### Activities:

- Creating a tool to specify components to install PV arrays on roofs for both installers buying from the Waxman site and for Waxman staff to use internally.
- Creating a simple user-friendly interface for designing PV arrays
- Designing algorithms for calculating permissible items and quantities of items required pulled from live stock information.
- Creating export versions for use on site.
- Adding chosen items to the user's shopping basket.

The tool integrates with Waxman's sales systems to provide stock details for the specifications and passes user's choices through to their checkout system. It integrates with their CMS and can be included on any page.

Despite the short development time, the project was on budget with innovative functionality unique in the industry such as the ability to reflect any design of panels on the roof and algorithms which calculated fixing parts more accurately than other tools, saving installers significant amounts of money.

It was important for Waxman Energy to have the system available for demonstration at their large public stand at EcoBuild 2015 - the UK's largest event for specifiers across the built environment held in March 2015. The tool has been designed to be hosted entirely on the Waxman Energy site and inherits much of its styling from their existing stylesheets.