

# Case Study: Jaguar Land Rover

## 49.92 kWp PV system, Solihull



Jaguar Land Rover was recently awarded a Platinum rating in the widely recognised Business in the Community Corporate Responsibility (CR) Index and is also the first UK car manufacturer to achieve the BITC CommunityMark standard. Jaguar Land Rover continually strives to improve the performance of its business operations affecting both the community and environment, so it was only natural for Jaguar Land Rover to further these achievements through investment in renewable energy.

As part of the Jaguar Land Rover sustainability plan GMI Energy installed a 49.9kWp solar PV system on a new logistics facility, adjacent to the brand new visitor centre at the company's advanced manufacturing plant in Solihull. The system will provide a source of renewable electricity and virtually

all power for the visitor centre. This will result in annual equivalent CO2 savings of 22 tonnes per year, which roughly equates to the carbon sequestered by 590 tree seedlings grown for ten years.

The electricity production from the solar PV installation is monitored using a bespoke system and then displayed in real-time for visitors to see. The detailed display monitor allows visitors to look at how well the system is performing and how the electricity production from the panels can vary on an hourly basis, rising and falling as clouds move over and the weather changes.

GMI Energy took great care in recommending a system that would generate the best possible yield from the roof space. 200 x REC250PE panels were laid just over one week



System size	<b>49.92 kWp</b>
Kilowatt hrs	<b>39,050 / yr</b>
CO <sub>2</sub> savings	<b>22,875 Kg / yr</b>

and will generate around 40,000 hours of clean electricity each year. Electricity purchase savings combined with the Feed in Tariffs will produce a generous income and return on investment of around 6 years.

GMI Energy only supplies the highest performance panels to ensure the maximum yield and a long system lifetime. A 25 year performance warranty coupled with GMI's outstanding 10 year warranty and careful maintenance will ensure the system performs well beyond 30 years.

