

ENERGY CASE STUDY

Solar PV System

Trenton
Great Cars Great Prices Great Service

Overview

Trenton Motors initially engaged with Turbine Energy (TE) to address multiple facets of their energy procurement.

Trenton were keen to reduce their reliance on grid generated power against the backdrop of ever-increasing prices primarily but were also keen to explore a solution that may help them from a future infrastructure and demand perspective and finally drive their green ambitions to reduce their carbon footprint.

The solar solution TE designed will allow them to generate over half of their current demand via solar PV generation reducing their monthly costs significantly.

Across the 2 sites the solar is expected to generate in excess of 1.5million kwh of electricity over the 25 year lifespan, over 1 million of which will be consumed by site with the additional 500,000kwh being exported back to the grid.

The additional solar generation is also being earmarked for an anticipated increase in demand on site once EV chargers are installed and in more constant use as electric cars begin to represent a greater percentage of their new and used stock.

Finally the solution really aids in driving their green ambitions as a business and allows them to offset 15 tonnes of carbon across the 2 sites per annum.

John Loose the MD of Trenton goes onto say 'Tim and his team were great from start to finish - from the initial survey and design right through to the final installation. They managed the DNO process for us and the install was quick and seamless with little disruption to our day to day operations. The system is performing very well and we expect it to reap significant benefits over its lifetime. In fact we are already noticing a difference!! Commercially the ROI was compelling and the carbon offset puts us right on the front foot in an industry that is undergoing seismic changes not just in the products we sell but our impact on the planet in doing so'.