

King's School Macclesfield

Cheshire

Technology: Solar PV Panels
System size: 184.26kWp
Annual Output: 163,566kWh
Annual CO2 savings: 34,672 kg

The King's School, Macclesfield, is an independent school for day pupils in Cheshire, England. The school is located on an extensive purpose-built campus which boasts extensive indoor and outdoor facilities. The school is well known for delivering excellent educational programmes, and Solarsense has donated an additional 12 solar panels to provide the physics department with a hand-on learning tool. Pupils will learn the science behind the energy conversion systems and be fully involved in recording and analysing their energy efficiency data.

The new 184.26kWp solar PV system is estimated to generate 163,566kWh of clean energy each year; reducing the school's carbon footprint by 34,672kg per annum. As well as significantly improving the sustainability credentials of the school, the large-scale on roof solar panel system installed for King's is estimated to generate a net profit of more than £2.1million for the school over the next 25 years. Positive early data indicates the solar panels are generating in line with the financial projections and likely to pay for themselves within four years, freeing up capital that can be reinvested in both academic and extra curricular facilities.



“ Together with CEC we opted for Solarsense because they are a company aligned with our own values for the environment, have a very transparent and practical way of presenting their proposal (we could see the total costs, the impact we could expect, the payback period and more) and were price competitive. You should not underestimate the planning required to achieve a successful outcome. This included a detailed survey of roof areas and going through formal planning processes and design work within the building. This was all undertaken by Solarsense who provided an excellent service. They were also able to adapt the timetable of work due to various onsite construction issues.

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