

# St Mary's RFC

Bristol, United Kingdom

**Technology: Solar panels & battery storage**

**System size: 42kWp**

**Annual Output: 39,177kWh**

**Annual CO2 savings: 8.32 tonnes**

**Payback period: 4 years**

**25 year savings: £360,000**

St Mary's RFU is a thriving grassroots rugby club in the outskirts of Bristol, with teams for men, women and juniors.

Even before the 2022 energy crisis, the club was struggling with an inefficient heating system, high CO2 output and energy costs in excess of £10k per year. The club commissioned an independent energy survey which helped identify several ways to make the building more efficient, as well as recommending the installation of solar panels and battery storage.

Solarsense installed solar PV panels on the rugby club's southwest and southeast facing roofs and integrated them with 2x Givenergy 8kWh batteries. In the first six months the clean energy system generated 13,000kWh of electricity, providing 29% of the club's winter usage. Any excess electricity is exported to the grid and recorded via their smart meter, providing an additional income stream for the club.

The installation was completed on time and on budget, immediately resulting in a repayment of over £1000 from the energy provider and a reduction of £200/month on utility bills.



“We were very keen to improve the green credentials of the club and reduce our CO2 emissions. At the same time, cost was a driving factor – even before the recent rises in electricity prices we couldn't afford not to do it. Solarsense completed their tender return accurately and professionally and were responsive and supportive throughout the process. They did everything they said they would do and were always more than happy to answer questions and provide data. Everyone I dealt with at the company was pleasant to work with and the project manager was amazing – he was worth his weight in gold! Overall they did a brilliant job!”

**Kevin Mulvaney – Club Vice Chairman and Project Manager.**

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