



CASE STUDY

swiftdental
group

Installed in

2
Weeks

Annual
reduction of

18
Tonnes
of CO₂ emissions

86,010
kWh Annual
Energy Generation

93.48
kWp
Array output

Shawton Energy partnered with Swift Dental to deliver a bespoke rooftop solar PV installation at its practice in Bolton.

With rising energy costs and increasing emphasis on sustainability within healthcare settings, the project was designed to provide a reliable source of on-site renewable energy while supporting the practice's commitment to reducing its environmental impact. The system enables Swift Dental to generate clean electricity directly at the point of use, improving energy resilience and helping future-proof the site against energy price volatility.

THE PROCESS

Following a detailed assessment of the practice's energy usage, costs, and roof layout, Shawton Energy designed a tailored, turnkey solar solution. By adopting a fully funded model via a Power Purchase Agreement (PPA), Swift Dental gained access to solar power from day one without any upfront capital expenditure. Shawton Energy also provides ongoing system maintenance at no additional cost, ensuring long-term efficiency and performance.

The installation team fitted 220 PV modules, creating a PV generator surface of 429.6 m² and delivering a system size of 93.48 kWp. Careful planning and coordination allowed the system to be installed within two weeks, minimising disruption to daily operations.

THE RESULT

The completed rooftop solar PV system is expected to generate approximately 86,010 kWh of clean, renewable electricity each year. This will deliver annual carbon savings of around 17,602 kg, significantly reducing the practice's environmental footprint.

Beyond environmental benefits, the installation provides Swift Dental with improved energy cost certainty and protection against future electricity price increases. By generating a substantial portion of its own electricity on-site, the practice can lower operational expenses while demonstrating clear sustainability leadership within its community.



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