



CASE STUDY

Solar Installation at Silbury House, Milton Keynes

the **greenway**
Solar

OVERVIEW



Silbury House, a landmark sustainability-focused renovation project in Central Milton Keynes, has achieved practical completion as part of its extensive refurbishment. The building is setting a new standard for sustainable office spaces, incorporating cutting-edge technologies, renewable energy solutions, and health-focused initiatives. The Green Way Solar Ltd played a vital role in ensuring that Silbury House's energy requirements were met sustainably, by installing a solar photovoltaic (PV) system that contributes up to 20% of the building's energy needs.

THE CHALLENGE

The goal for Silbury House was to transform an office building into a leading example of environmental sustainability. The property's developers were determined to integrate renewable energy solutions and achieve high sustainability credentials, including BREEAM 'Outstanding' status, an EPC A rating, and 3-star Fitwel accreditation. The Green Way Solar Ltd. was tasked with installing a solar PV system that would support the building's energy efficiency goals while ensuring that the building's solar capacity was maximised.



SILBURY
HOUSE

OUR SOLUTION

As part of the comprehensive sustainability strategy, we installed 116 high-performance solar panels across the roof of Silbury House. This system is designed to generate renewable energy, offsetting a significant portion of the building's energy needs and contributing to its green credentials.

The solar PV system was carefully designed and integrated to:

- Generate up to 20% of the building's energy needs: By harnessing solar power, the building reduces its reliance on the grid, contributing to lower operational carbon emissions.
- Complement other sustainable initiatives: The solar system works alongside energy-efficient HVAC systems, LED lighting, and smart power sockets to ensure optimal energy use and minimal wastage.

Our installation was fully aligned with the building's commitment to sustainability, seamlessly fitting into the overall design without compromising the integrity of the property's aesthetics or function.

RESULTS

The Silbury House solar PV installation has contributed significantly to the building's overall sustainability performance, including:

Reduced operational carbon emissions:
The building is projected to consume 45% less energy compared to good practice benchmarks for existing office spaces.

Carbon Emissions

↓ 45%

Increased renewable energy generation:
By providing up to 20% of the building's energy requirements through solar, the system supports the building's quest to achieve net zero operational carbon emissions.

Renewable Energy Generation

↑ 20%

Enhanced environmental credentials: The installation played a key role in securing the building's BREEAM 'Outstanding' rating and EPC A rating, highlighting its commitment to cutting-edge environmental performance.

BREEAM®
OUTSTANDING



Additionally, the installation supports employee wellbeing and productivity, contributing to the building's Fitwel and WELL Performance Ratings by promoting a healthier environment through the reduction of carbon footprint and sustainable energy use.

WHY CHOOSE THE GREEN WAY SOLAR?

Our role in the Silbury House project demonstrates our expertise in delivering sustainable, high-quality solar installations that support building owners and developers in meeting their energy and sustainability goals. With a focus on innovative design, efficient installation, and long-term performance, we helped transform Silbury House into a model of sustainable commercial real estate.



CONCLUSION

Silbury House stands as a testament to the power of integrating renewable energy solutions into the fabric of modern buildings. By providing a reliable solar installation that meets the building's energy needs, The Green Way Solar Ltd. contributed to a project that not only enhances sustainability but also prioritises occupant health and productivity. This project showcases the future of commercial real estate, where sustainability and wellbeing are at the heart of building design and operation.

Through our involvement, we helped ensure that Silbury House is not only a sustainable space but a model for future development in Milton Keynes and beyond.