

CSPTUK & Canadian Solar

Powering the UK's Renewable Future

- **UK Development Arm:** CSPTUK is the United Kingdom's project development branch of Canadian Solar Inc., operating from its London base.
- **Global Leader Backing:** Backed by Canadian Solar Inc., a top-tier global solar and energy storage company with operations in over 20 countries.
- **National Renewable Impact:** Driving multiple solar and storage infrastructure projects across England, Scotland, and Wales.



Company Overview

About CSPTUK and Canadian Solar Inc.



Canadian Solar Inc

Founded in 2001, it ranks among the world's top solar technology and renewable energy companies, listed on NASDAQ (CSIQ).



CSPTUK Role

Acts as the UK-focused project development division, targeting utility-scale solar and energy storage systems.



Global Reach

Operates across more than 20 countries, delivering over 90 GW of solar modules and 8.5 GWh of battery storage globally.

Strategic Positioning

Why the UK, and Why Now?



Ambitious Net-Zero Target

The UK is legally bound to reach net-zero emissions by 2050, creating strong demand for renewable capacity.



Policy Support

Government-backed Contracts for Difference (CfD) and planning reforms accelerate project viability.



Grid Transformation

Significant grid modernization to accommodate intermittent renewables and support decentralized storage.

Partnerships & Collaborations

Recurrent Energy & Windel Energy

- **Recurrent Energy:** A wholly-owned subsidiary of Canadian Solar, leading in global solar project development and energy storage solutions.
- **Windel Energy:** UK-based development partner with deep local expertise in land acquisition, planning, and stakeholder engagement.
- **Synergistic Collaboration:** Combined capabilities enhance project velocity, reduce risk, and optimize grid connectivity and regulatory compliance.



Project Portfolio Snapshot

Nationwide Solar & Storage Developments

- **Geographic Spread:** Projects span England, Scotland, and Wales, targeting grid hotspots and underserved renewable zones.
- **Diverse Technologies:** Integrated solar PV and battery storage systems tailored to local grid requirements and land use policies.
- **Pipeline Strength:** Dozens of projects in development, with cumulative capacity exceeding several gigawatts.



Flagship Projects

Key Ongoing Developments



Project One: Westfield Solar Farm

Located in England's South West, this 150 MW PV + 100 MWh battery project is under advanced development stages.



Project Two: Highland Storage Hub

A large-scale battery project in northern Scotland supporting grid resilience with 200 MWh capacity.



Integrated Innovation

Flagship sites are testbeds for bifacial modules, smart inverters, and AI-driven energy management systems.

Technological Edge

Innovations in Solar & Storage Systems



Bifacial Solar Modules

Dual-sided solar panels capture sunlight from both sides, increasing yield by up to 15%.



AI-Based Grid Management

Machine learning algorithms optimize energy storage, load balancing, and market dispatch.



Next-Gen Battery Systems

Utilizing high-density, lithium-iron phosphate batteries for extended lifecycle and superior safety.

Sustainability Impact

Carbon Reduction & Environmental Benefits

- **Carbon Offset:** Each project contributes to significant CO₂ avoidance—over 1 million tons annually across the portfolio.
- **Land Co-Use:** Projects incorporate biodiversity plans and agricultural co-use strategies like sheep grazing.
- **Climate Resilience:** Solar and storage systems support local energy resilience against climate-induced grid disruptions.



Future Pipeline

Upcoming and Planned Project Developments



Multi-Gigawatt Pipeline

Over 4 GW of new solar and storage projects are in planning, with phased rollout across 2025–2030.



Strategic Siting

Future projects target brownfield sites, grid surplus areas, and near-substation zones to minimize costs.



Regulatory Ready

CSPTUK aligns planning with evolving UK policy frameworks including CfD, environmental law, and grid codes.

Conclusion & Vision

CSPTUK's Role in UK's Net-Zero Future

- **National Renewable Catalyst:** CSPTUK drives UK decarbonization with large-scale solar and battery infrastructure.
- **Innovation Leader:** Deploys cutting-edge energy technologies to raise system efficiency and resilience.
- **Vision 2030+:** Aims to be a top-tier renewable operator and enabler of regional green jobs and economic growth.

