

London energy storage investment trends

Battery storage capacity in the UK is set to surge between now and the end of the decade. A study published last year showed that capacity would increase more than ten-fold from 2.1GW to 24GW during the period 2023 to 2030. Huge amounts of capital will be deployed in the sector, with forecasts indicating up to \$20 billion will be invested in UK storage over the period in question. If these planned investments come to fruition, it is predicted that the UK will have sufficient combined energy reserves to power 18 million homes for a year, research has shown.

But which organisations will be at the forefront of UK energy storage deployment in the coming year? Here, Tamarindo's Energy Storage Report brings you the A to Z of key players driving UK storage deployment in 2024. Why have these organisations been included in the A to Z? Each has made high-profile progress on storage deployment in the last year, whether developing projects, financing them, or developing the technology that will power them. As a result, these companies are expected to play key roles in the drive to install UK storage capacity in the next 12 months:

ANESCO Anesco has connected storage capacity totalling 150MW across 33 sites, while in December 2022, it was announced that the company had entered into an agreement to optimise 15MW of UK operational battery storage capacity for Gresham House, one of the biggest players in the UK storage market. Key figure: Hildagarde McCarville, CEO

ATLANTIC GREEN Atlantic Green secured ?16.5 million in financing from Goldman Sachs for its 60MWh battery storage project in Buxton, UK. The project is scheduled to be energised in the first quarter of this year. In May last year, the company acquired its third battery energy storage project, a 260MWh scheme at an unnamed location in the UK. Key figure: Nick Bradford, managing director

AURA POWER Earlier this month, planning permission was granted for Aura Power's 100MW / 400MWh battery storage project in Capenhurst in Cheshire, which followed the granting of planning permission for three other projects in the UK in 2023. Key figure: Simon Coulson, CEO

CANADIAN SOLAR Last month, it was announced that Canadian Solar subsidiary E-STORAGE will deliver 226 MWh DC of turnkey energy storage systems to Engie for two projects in Scotland. E-STORAGE will construct the two projects, each with a capacity of 56.5 MW / 113 MWh DC in Cathkin and Broxburn. Key figure: Colin Parkin, president of E-STORAGE

CARLTON POWER Last summer, UK energy infrastructure development company Carlton Power secured planning permission for what it said was the "world's largest battery energy storage scheme", a 1040MW / 2080MWh project located at the Trafford Low Carbon Energy Park in Greater Manchester. Planning

permission for the £750 million scheme was granted by Trafford Council, the local planning authority. Key figure: Keith Clarke, founder

CLEARSTONE ENERGY The company has 1.8GW of solar and battery projects in active development. In May last year, it sold two battery energy storage system (BESS) projects in southern England to Foresight Energy Infrastructure Partners: Sundon BESS, a 49.5MW project north of London that will connect with National Grid's Energy Park initiative; and Warley BESS, a 57MW project in Essex. Both sites have grid connection dates in 2024. Key figures: Ben Pratt and Justin Kilduff, founders

CONRAD ENERGY It was announced last year that structured finance provider Close Brothers Leasing had provided an £85million funding facility to Conrad Energy that will fund eight battery storage sites across the UK. Key figure: Steven Hardman, CEO

DRAX In July last year, renewable energy company Drax Group secured development consent from the Scottish Government for its plans to build a £500 million underground pumped storage hydro plant at its existing Cruachan facility in Argyll, Scotland. Key figure: Will Gardiner, CEO

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