

BATTERY STORAGE CASE STUDY

WOBURN ROAD



PROJECT FACTS



OVERVIEW

Woburn Road Energy Storage is a 12MW/24MWh energy storage plant, developed by Gridsource from first principles, and showcases our full life cycle development activity from origination to operation.

FACT SHEET

Project name: Woburn Road BESS
Location: Bedfordshire, UK
Capacity: 12 MV/24MWh
Status: Energised
Connection: 33,000v

TIMELINE

2019: Grid Application
2020: Land agreements
2020: Site Surveys
2021: Planning application
2021: Planning granted
2022: Funding secured
2023: Conditions discharge
2023: EPC Contracts signed
2024: Construction
2025: Energisation
2025: Operation

DEVELOPMENT PHASE



Scope completed by Gridsource during the development phase.

ORIGINATION TO CONSENT

- Site Identification & feasibility
- Land Owner introduction & discussions
- Land exclusivity preparation
- Grid connection preparation, application & management
- Option & lease agreement presentation, negotiation & management
- Production of site layout plans, orientation & optioneering (AutoCAD)
- Planning surveys, reports & application to the local planning authority
- Planning application management & monitoring
- RFQ ICP, EPC & Technology supplier Tender (Phase 1)
- Revenue modeling, analysis & benchmarking
- Risk Register
- Management of key stakeholders

CONSENT TO CONSTRUCTION

- Pre commencement planning conditions discharged (S37,S278)
- Production of cable route plans (off-site)
- Statuary utilities identification & engagement
- Cable easements & wayleave agreements
- Technical advisor appointment & management
- RFQ ICP, EPC & Technology supplier Tender (Phase 2) Contracting
- Capacity market & generation license management
- Program management

CONSTRUCTION PHASE



Scope completed by Gridsource during the development phase.

CONSTRUCTION TO OPERATION

- Grid connection management
- ICP, ECP, Technology supplier management
- Option & lease agreement management
- Metering solution management
- Capacity marker pre-qualification, administration & management
- Generation license management
- Program management
- ESG reporting
- Bank account & VAT management
- Invoice management, approvals & payments
- Accounting & budgeting
- Risk management
- Monthly progress reporting
- IT & communication management
- Optimization selection, contracting & on-boarding
- Design & installation compliance analysis
- Pre-operation planning conditions discharge
- Management, co-ordination & liaison of all key stakeholders