



Accelerating your journey to Net Zero

Blake Clough Consulting is a specialist energy consultancy with a focus on electricity networks. We cover a range of areas relating to power systems analysis, feasibility studies, project engineering, innovation, regulation, energy yield assessments and technical strategy, with a strong emphasis on our customer relationships.

We are passionate about the decarbonisation of the energy system and the transition to “Net Zero” and aim to support our clients to accelerate this change as effectively as possible, whether that be local authorities, large network companies, or private developers.

Our work is underpinned by solid analysis and modelling, including techno-economic assessment, cost benefit analysis, power systems analysis, network modelling and, crucially, energy yield assessments that inform investment decisions, reduce development risk, and ensure renewable energy projects are designed, funded and operated with confidence.

Our assessments combine resource expertise with network insight to produce practical, transparent results that support long-term success..

Enabling Smarter Renewable Development.

Renewable energy projects depend on clear and robust estimates of long-term generation potential. The energy yield assessment is central to this. It defines the expected annual energy production of a project and underpins business case modelling, funding applications, insurance coverage, and shareholder returns.

Blake Clough offers a flexible, technology-neutral approach to EYAs that is grounded in best practice and shaped by real-world delivery experience. Our assessments support wind, solar and hybrid generation projects at all development stages. We tailor each assessment to the project context and use industry-standard tools and methods that are transparent and auditable.

We go beyond resource modelling by incorporating grid context, curtailment, and site constraints to produce yield estimates that reflect both technical potential and operational reality. Our clients include developers, investors, asset managers, and operators seeking a trusted partner for clear, bankable analysis.

Supporting the full project lifecycle

We support projects from initial opportunity assessment through to post-construction performance analysis. Our service offering includes:

Early-stage Site Screening

We support clients at the land acquisition and pre-feasibility stage, offering rapid desktop assessments to prioritise sites. This includes initial resource estimates, proximity to the network, environmental constraints, and high-level layout advice. These studies help focus time and investment on viable projects and reduce the risk of later-stage surprises.

Pre-construction Energy Yield Assessments

We deliver detailed EYAs that meet the technical standards required by lenders and investors. These reports combine high-resolution resource modelling with clear, well-structured reporting to ensure that assumptions, methodologies and results are easily understood and auditable. **Our pre-construction assessments typically include:**

- Long-term wind or solar resource analysis using high-quality datasets
- Energy modelling based on technology-specific performance data and site layout
- Loss assessments including wake losses, electrical losses, availability, and environmental effects
- Uncertainty analysis and P-value reporting (e.g. P50, P75, P90)
- Sensitivity testing of key inputs such as wind shear, terrain or wake model choice
- Curtailment assessments based on known or likely grid constraints

We provide clear and concise reporting that can be shared with funders and partners, supporting timely investment decisions.

Post-construction Performance Reviews

We work with asset owners and operators to understand whether projects are performing in line with expectations. Our post-construction services include:

- Comparison of measured generation with pre-construction estimates
- Analysis of lost energy due to curtailment, downtime or underperformance
- Identification of performance improvement opportunities
- Support for refinancing, insurance claims or investor reporting

This helps owners optimise their assets and build an evidence base to support future developments.

Integrated Grid & Curtailment Insight

What sets our EYAs apart is our ability to combine yield assessment with deep grid and power system knowledge. Many assessments overlook the effect of curtailment or rely entirely on third-party figures from distribution network operators. We offer an independent view that incorporates detailed grid knowledge and site-specific modelling.

Our curtailment analysis covers:

- Assessment of non-firm or flexible grid connection terms
- Impact of ANM schemes, intertrips or grid constraints
- DNO-provided curtailment reports and independent review
- Scenario testing for future generation growth or infrastructure changes

We bring in-house expertise in grid connections and power systems to provide a joined-up perspective. This supports better-informed investment and operational decisions.

Why choose Blake Clough?

We understand that EYAs are a key part of project risk management, not just a technical requirement. Our team combines analytical rigour with a commercial mindset to ensure our clients receive advice that is both technically sound and decision-ready.

Clients choose us because we offer:

- A flexible and responsive approach tailored to your needs
- Full traceability and transparency in assumptions and methods
- Deep expertise in grid integration and real-world network constraints
- Experience delivering assessments for both early-stage and bankable projects
- Support across wind, solar and hybrid asset types

We work across the UK and internationally, supporting developers, investors, local authorities and public sector bodies as they seek to deploy renewable energy projects at pace and scale.

Delivering confidence through clarity

Our aim is to reduce uncertainty and enable smarter decisions at every stage. Whether you are planning your first development or managing a large asset portfolio, we will provide the insights you need to move forward with confidence.

To find out more about our Energy Yield Assessment services or to discuss a project, get in touch with our team.

