Renewable Energy Solutions & Support

SITE SEARCH & SITING
FEASIBILITY STUDIES
PROJECT DEVELOPMENT
ENGINEER PROCURE & CONSTRUCT
PROJECT ASSURANCE
DUE DILIGENCE SUPPORT
INDEPENDENT ENGINEER

Contact

If you would like to find out more about us and how we can help develop your energy solution, please feel free to contact us at:

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About Us

Horizon Power and Energy is a professional energy services business based in Hampshire in the UK. We are primarily focused on delivering bespoke renewable energy and low carbon solutions for large corporations, the public sector, developers, investors and land owners.

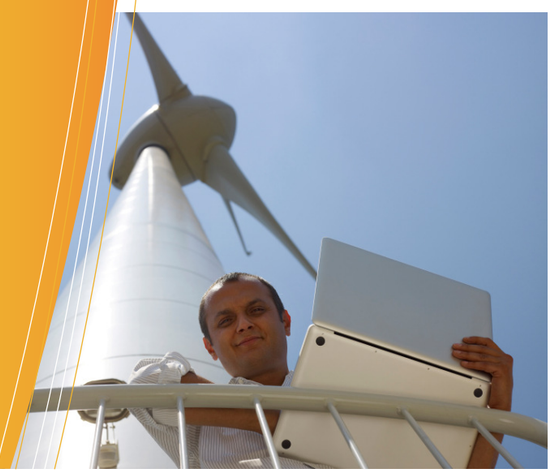
We work closely with clients to understand their needs and will often deliver project requirements through ‘best in class' partnerships, suppliers or consortia. Whilst we are based in the South of the UK, we are also able to consider commissions elsewhere in the UK or abroad, often working through partnering arrangements.

If you're a landowner or large facility owner considering a renewable energy project, or a developer who requires help to develop and implement your own renewable energy scheme, please feel free to contact us. We can provide support in a number of areas, examples of which are given below:

Technologies

Whilst we are able to support a range of renewable energy technologies, the feasibility, development and implementation process is broadly the same for most schemes. Technologies that we can support include:

- Solar PV Systems
- Solar Thermal Systems
- Wind Power
- Biomass
- Small Hydro Power
- Anaerobic Digestion
- Ground Source Heat Pumps
- Combined Heat and Power



Feasibility & Development

FEASABILITY STUDIES

The commercial viability of many renewable energy technologies will change depending on the locality in which a scheme is implemented. For example, solar radiation levels, wind speeds and biomass quality will all change depending on the location of an installation. Other important considerations are the availability of suitable grid connection points or local energy consumers that can take the power generated. Combining the right site, technology and scheme design is essential for successful and profitable implementation. If you are a rural landowner or operate a large industrial or commercial facility, talk to us about a feasibility study covering initial site survey through to concept design. In particular we welcome discussions on very ‘early-stage' schemes

PROJECT DEVELOPMENT

Once the viability of a project has been established, the development process seeks to define the scheme and obtain the necessary consents. A large part of many renewable energy development programmes involves making arrangements for connection to the electricity grid. This requires the input of the District Network Operator (DNO) and Independent Connection Providers (ICP). Most projects also require planning consent, which involves constraint searches and environmental impact assessments. If required, we can manage projects through the development process, engaging various specialists and obtaining the necessary consents to allow the project to progress. We can also provide support to Developers who require additional resources of specialist input for their own renewable energy projects.

Project Delivery & Support

ENGINEER, PROCURE & CONSTRUCT

The implementation of renewable energy schemes involves a wide range of diverse stakeholders. Completion of projects on-time and within-budget requires the input of financiers, planners, engineers, landowners, manufacturers, lawyers and off-takers to name a few. Managing and supporting these relationships is essential to the success of any project. Together with our partners, Horizon Power and Energy are able to manage the development and implementation smaller multi-megawatt renewable energy schemes or we can work as part of your own development and project management team to help deliver larger projects.

PROJECT ASSURANCE & DUE DILIGENCE

Most renewable energy schemes are characterised by the need for significant capital investment early on in their lifecycle. Once built, such schemes require minimal further investment for operations and maintenance. This early call for capital occurs at a stage in the project lifecycle when both assumptions and project risks are at their greatest. Whilst many debt and equity investors are rapidly becoming familiar with the risks associated with renewable energy schemes, extensive due diligence and good project assurance remain essential. Investor risks take many forms and may cover a wide number of areas such as project delay, power output shortfalls, warranty issues or the adequacy of maintenance reserve funds. We are able to support investors with their technical and operational due diligence studies and can adjust our work to cover a wide range of risks or we can focus on items which are of particular concern to the investor.

CLIENT FIRST

Understanding our Client's culture, drivers and barriers is important if we are to be successful. We are flexible enough to readily fit ourselves to our Client’s requirements. It is this recognition that no two businesses are the same, which allows us to develop bespoke solutions for each and every customer.

OUR VALUES

We believe that through tackling climate change and energy security, businesses and governments can improve competitiveness, increase employment and deliver economic prosperity. For this reason we will always endeavour to find solutions that deliver financial, economic and environmental benefits. We also believe that relationships are crucial to the success of any program, and you can be assured that we will always act with integrity, professionalism and honesty.

INDEPENDENT

We recognize the importance of providing our Clients with impartial independent advice. For this reason, we do not act as an agent for a particular equipment manufacturer or service provider: as a result, we are free to make recommendations that are in our Client’s long term interest.