

Consulting services for wind farm projects

Wind Consulting

Project Management

We cover all aspects of wind farm project management including development, design, consultation and permitting. Our successful approach is to define and address every aspect of a potential project throughout the development phase, identifying risks and opportunities at an early stage. The aim is to efficiently manage costs and risks to deliver your consented project ready for financing and construction.

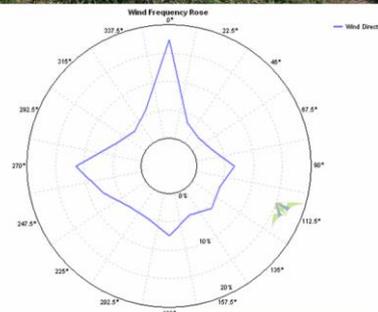
Wind Technical Services

We have highly trained staff with over 12 years of experience in wind engineering consultancy, development, construction, operations and an international reputation for technical excellence. We provide our diverse client base with access to first-class technical expertise, consultancy services and project-focused advice.

Operational Management

We can support you in maximising the production potential and profitability of your wind farm. Whether you require advice on strategy or management contracts or advice on management of operations and maintenance of your project, we provide a range of operational management services, tailored specifically to your requirements.

Our highly experienced engineers are dedicated specialists that are expertly trained. Together, they work to their strengths to support clients during each project stage to ensure that their projects are delivered to the best possible standards.



Community wind



Feasibility assessments

A feasibility study for wind projects of up to e.g. 5MW is tailored to suit community projects including optimising the turbine location(s), financial returns, environmental and permitting requirements, tendering procedures and more.

Wind monitoring and energy yield analysis

We supply and install wind monitoring masts at scales suitable for community projects. We can provide independent wind and energy assessments to assure banks financing.

Planning and development approval support

We co-ordinate environmental assessments or supply individual chapters (noise, shadow flicker etc) and liaise with councils to ensure applications are made with the highest chance of successfully receiving a permit.

Enhar Clients:



Wind farm development services

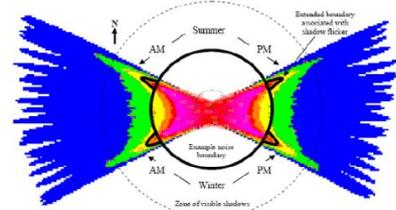
Site identification

We provide GIS mapping of constraints and existing wind farm project locations. We research potentially suitable sites and provide introductions to landowners, or desktop feasibility studies if the developer prefers to initiate lease negotiations. From initial site feasibility studies, anemometry management and layout optimisation, through wind data management and analysis, to turbine micro-siting and detailed yield and uncertainty analysis, our services fulfil the full lifecycle of your wind energy project.



Wind monitoring and energy yield analysis

We supply and install wind resource monitoring equipment and conduct detailed resource modelling and prediction to accurately determine power outputs and validate financial models. Our Energy assessments include correlation with long term data, uncertainty analysis and P90 or P95 generation levels in accordance with finance lenders requirements.



Design and optimisation

We conduct detailed site surveys to recommend appropriate locations for wind turbine generation to optimise energy production and fit within the site constraints.

Shadow flicker and noise impact assessment

Enhar are capable of conducting an initial shadow flicker analysis and noise impact assessment of proposed turbine locations in order to assess possible barriers to projects obtaining planning approval.



Planning approval support

For larger wind farms, we co-ordinate environmental assessments or supply individual chapters (noise, shadow flicker etc) and liaise with councils to ensure applications are made with the highest chance of successfully receiving a permit.

Landowners seeking to develop a wind project

For land-owners with the means to invest in their own project, owning a small wind farm project can generate several times more income than leasing land. Enhar assists land-owners develop their own project through the services we provide.

Photomontage Development

Enhar has extensive experience producing photomontages for proposed wind farm sites. We contract professional landscape photographers and conduct the image development in house. Prints from A3 to A0 are available to provide an assessment of the visual impact of a wind turbine field.

"We assist clients to generate power and income from the wind through appropriate wind turbine developments"



Montage produced by Enhar Consulting