

WIND SPEED PREDICTION - ENERGY YIELD ANALYSIS - PROJECT OPTIMISATION



The accurate prediction of the wind speed and likely energy yield is a key factor to the future success of a project. RES can bring to its clients the expertise and experience that comes from over 8GW of delivered wind capacity, and improve the projects projected energy yield by adequately optimising the wind farm layout.

RES Offshore can provide this service using data collected by ourselves or by the clients' other contractors. Based on the data available, RES offshore provides wind speed and climatic conditions predictions at the measurement location. We produce energy yield predictions using the client's wind farm layout and specific wind turbine selection.

RES Offshore uses energy yield prediction tools to assess the wind farm potential output. We run an in depth cost/benefit analysis and provide an energy cost study. This will enable us to carry out wind farm layout optimisation and provides its client with project that will minimise cost while maximising energy yield.

MINIMISE COST WHILE MAXIMISING ENERGY YIELD

For further information:

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About RES Offshore

RES Offshore offers integrated development, engineering, construction and AO&M services for utility-scale renewable energy projects. From offshore wind to wave and tidal, we bring to projects the considerable skills and experience that we have acquired over 30 years in the renewables industry. RES Offshore is part of the RES Group, one of the world's leading renewable energy project developers. To date, RES has delivered more than 8000MW of wind energy capacity worldwide.

RES Offshore has the full range of in-house capabilities required to deliver each of the project phases and this allows us to develop cost-effective, innovative solutions that can make the difference between project failure and success.

We have applied our development, engineering and technical skills and experience to a number of successful offshore projects and we can provide our services either as a defined package of work or as part of the owner's project team.

RES Offshore has a wealth of in-house experience built on our participation in UK Rounds 1, 2 and 3, and also in the development of projects in Northern Ireland and France. Having expertise and experience on hand has enabled us to engineer designs, mitigate environmental concerns, optimise energy yields and deal with complex technical and performance issues. We work closely with turbine suppliers, electrical equipment manufacturers, grid utilities and statutory authorities to find the right solutions.

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