



Company Name: Rutherford Consulting Ltd

Project Name: A short analysis of the criteria involved in deciding on a development or procurement strategy to obtain a wind energy forecasting system suitable for use by onshore Irish wind park operators

Funding: Innovation Voucher

Company offering management and consultancy services to the Irish wind energy generation sector.

PROBLEM TO BE SOLVED



Provide an assessment of whether an opportunity exists to improve upon the forecasting accuracy of existing providers by developing bespoke software and writing unique intellectual property (IP) protected algorithms based on the data sets available to Rutherford consulting Ltd. (RCL).

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TSSG will also provide assistance in identifying an energy forecasting service provider that can best meet the requirements of trading in the Single Electricity Market (SEM).

HOW GATEWAY DELIVERED SOLUTION FOR INDUSTRY



TSSG researched the existing wind forecasting offerings in the marketplace and where possible, assessed these based on the underlying numerical wind prediction models in use and their applicability to the Irish onshore wind energy sector.

The resulting report ranked 12 of the market leaders in this sector based on identified parameters. TSSG also specified a high level prediction platform based on a software stack capable of implementing a numeric weather prediction platform.



IMPACT FOR THE COMPANY

The report's recommendations will assist the company in deciding whether it wishes to pursue either of the two options below:

1. A business model that sees it offering wind forecasting services to wind turbine and wind park operators.

or

2. A business model that sees it managing wind turbines or wind parks and purchasing wind forecasting services from commercial suppliers.

Testimonial - This is excellent work and the report covers a great depth of information, and there is a clear understanding of what is involved here. Justin, Rutherford Consulting Ltd