



PMSS apply extensive experience and expertise of onshore and offshore renewable energy projects to effectively de-risk project. This has a win-win outcome for both owner and insurance provider in that the project will both operate more efficiently and is less likely to experience unexpected insurance or other costly events.

The type of analysis and services to be provided varies depending on specific client or project requirements, and can be applied to projects at any stage of their life-cycle; development, pre-construction, construction or operations, examples of these services include:

Project Financial Viability Appraisal – Analysis of the project financial characteristics including risk opportunities and their relative returns focusing on the sensitivity of these elements to a set of scenarios – applied through PMSS' experience of risk and opportunities within a project.

Project Risk Register Management – Development or initiation of a bespoke project risk register incorporating much of the experience gained by PMSS over many years and projects, together with the implementation and management of mitigation measures as agreed.

Wind Analysis – Project Wind Analysis, including risk and uncertainty reporting and the development of flow analysis, which allows the effective development of options to increase the confidence level in the wind resource achieved against expected output, but also intelligent analysis of turbulence and other detrimental effects and implementation of a strategy to minimise the risk of reduction in availability due to resource induced failures.

Competence of Construction & Operations team – Gap analysis of the skills matrix required to effectively construct and operate the wind farm to its optimum efficiency. Human resource competence is often underestimated as the required component to improve the returns and risk profile of a project.

Operational Track Record Analysis – By the review of the operational track record of a project, normally with reference to service records, SCADA data and measured wind data, areas for technical improvement of the operational procedures and strategies for the project can be established in order to increase profitability and efficiency of the project.

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Project Risk Management



Health & Safety Review – In order to ensure compliance with Health & Safety legislation including corporate or site HSE policies and procedures, efficient and thorough HSE reviews are established as good practice – assistance with the efficient implementation of these or 3rd party independent reviews can be provided.

Spares Availability Strategy & Technical Analysis of Servicing Capabilities – An intelligent, predictive servicing strategy can significantly increase the availability of a project and reduce the risks of a significant failure of a project impinging on project viability.

Civil Engineering Design & Implementation Check - Analysis of the design and project validation of roads, sub-station, wind turbine foundations and other civil engineering elements of the project, cross referenced against our extensive experience of industry best practice.

Contingency & Continuity Planning - Planning against, not only insurable events, but also other extraordinary cost events allows for the reduction of the overall risk profile of the project and effective management.

Grid Interruption Planning & Export Security Planning – Analysis of the grid integration and other power export elements often form single points of failure and high risk elements of a project. Robustness and redundancy around these elements can have profound effects on any project risk profile.

Operations & Maintenance Warranty and Contract Review – Analysis of the contracts in place or under consideration for Operations, Warranty, Maintenance and other Services. This will identify weakness in the operational arrangements, allow for analysis against potential risks and the implementation of a range of mitigation measures.