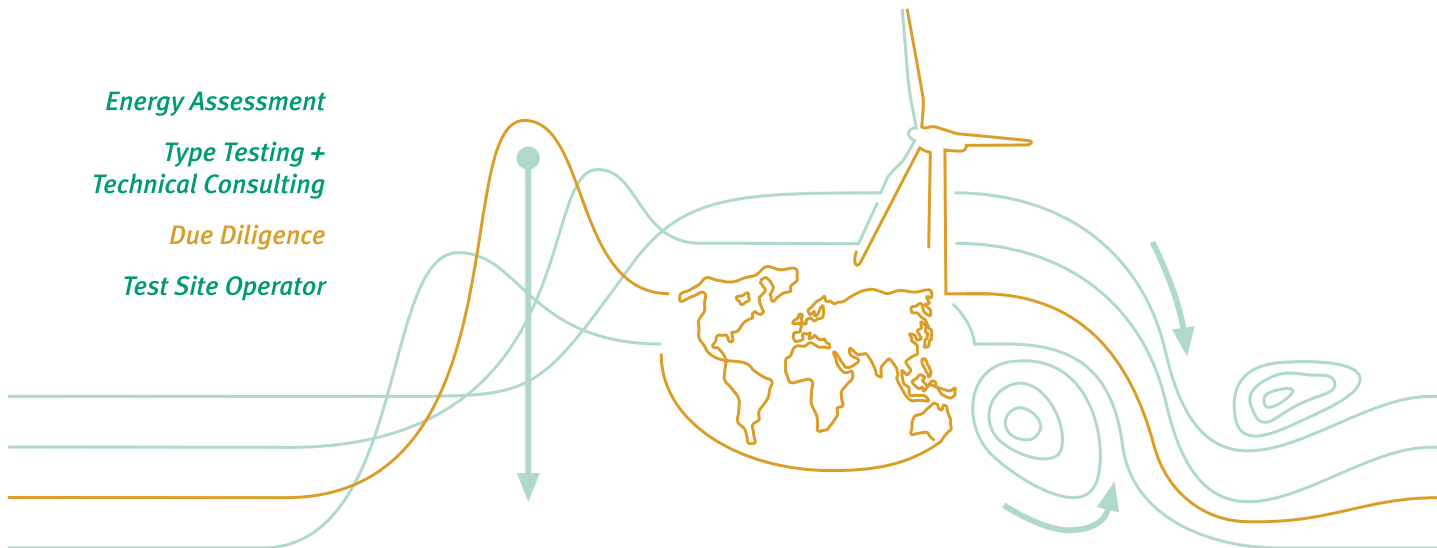


Energy Assessment
Type Testing +
Technical Consulting
Due Diligence
Test Site Operator



Technical Due Diligence




Technical Due Diligence (TDD) assesses the technical status and quality of a wind farm project based on contracts, relevant planning documents, reports, technical specifications of the manufacturer etc. According to the requirements, different aspects are examined and evaluated – such as road access, building permit (shadow cast, noise, oppressive effect, examination of licensing documents), grid connection, micro-siting, site assessment, analysis of losses, technical specifications of the wind turbine, commissioning report and documentation of technical inspections.

Customer Benefits

Potential investors in the wind energy sector might need additional know-how to judge risks of wind farm projects in the planning, construction and operating phase. In order to identify potential risks and important parameters for the assessment, windtest grevenbroich gmbh (wtg) analyzes the specific situation and the corresponding challenges and expected obstacles. This analysis supports and accelerates the decision-making process of investors and credit institutions.

Basic implementation

Up to now there is no guideline available which specifies the proceeding in the preparation of a TDD. On this basis wtg developed a checklist which enables the technical assessment. This checklist creates the prerequisites for a complete analysis of all technical aspects within a project. It comprises a weighting system and knockout criteria. A traffic light system at each assessment area defines the current status (total fulfilment of the requirements or the necessity to improve). The final report includes critical aspects and risk mitigation strategies.

2	Commissioning Certificate	
2.1	Commissioning certificate for compensation claim	+ 0 -
3	Operation and Maintenance (O&M)	
3.1	Management	+ 0 -
3.2	Comparison of enclosure counter and grid feet meter	+ 0 -
3.3	Control of SCADA data	+ 0 -
3.4	Management report	+ 0 -
3.5	Information on grid-related power reduction (regulation)	+ 0 -
3.6	Wind turbine availability (technical and contractual)	+ 0 -
3.7	O&M reports	+ 0 -
3.8	Periodic inspections	+ 0 -
4	Acceptance of Emissions	
4.1	Shadow Flicker Emission	

Competence

wtg is a service supplier accredited in accordance with DIN EN ISO / IEC 17025 and offers all necessary measurements based on national and international standards. Furthermore our specialists are member of several national and international working committees like MEASNET Power Performance Expert Group and the FGW Fachausschuss Leistungskurve.

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