



# PROJECT EXECUTION



## SGS FROM GREEN FIELD TO GREEN ENERGY

### THE OBJECTIVE

SGS's Project Execution service brings together a variety of skills and expertise with the objective of aiding our clients to successfully realise the transport, installation and commissioning phases of their renewable energy projects. In an industry plagued by a lack of qualified professionals, SGS excels in bringing expert knowledge and experienced personnel to the project team to successfully and proficiently undertake such management throughout the realisation of a project. SGS thereby ensure that our clients' projects progress from a green field site to a fully-commissioned wind farm in a safe and efficient manner while meeting cost, schedule and quality targets.

### THE SOLUTION

Project execution generally begins with the tender phase and ends with the hand-over of the project to the client. The scope of support and management offered by SGS in the context of project execution is outlined in the figure below.



Early involvement of the SGS project execution team helps ensure that reliable and suitable contractors are selected, that contracts cover all required technical aspects, that the installation phase is managed professionally and that the final hand-over is completed successfully and on schedule.



## OUR SERVICE FOR **PROJECT EXECUTION**

The SGS approach to Project Execution is characterised by complete management of the three main phases of project execution, as detailed below.

### **TENDER SUPPORT**

This stage comprises an initial review of the project to gain an understanding of the client's requirements in order to best develop and maximise the value of its undertaking. SGS then prepares relevant tender documentation such as Project Limits, Requests for Proposals (RFP), and Invitations to Tender (ITT). SGS remains thereafter available to assist in selecting potential contractors to invite to tender and assist the client in the final selection of contractors. During the Contract Negotiation stage, SGS assists the client in reviewing contracts and ensuring that for each contract all relevant technical issues are covered, such that the client's expectations are met during the installation phase.

### **CONSTRUCTION**

SGS assembles an appropriate team of qualified experts to implement and execute the project in accordance with the client's requirements and in compliance with the Project Management

Institutes guidelines. In this process, numerous factors and criteria are considered such as health and safety, security, environment, incident and crisis management, data and document management, reporting and communication, coordination of contractors, change management, site management, schedule control, cost monitoring, QA & QC, start-up and commissioning coordination, etc. The project management team is assembled so as to ensure that these issues are suitably addressed up to and throughout project commissioning.

### **FINAL ACCEPTANCE**

In this phase, SGS develops the commissioning approval procedure, witnesses the final test run, assesses the final test results, and ensures that the project is thoroughly reviewed, that all documents, incidents and non-conformity reports (NCRs) are closed and that a complete functional and safety inspection is undertaken. Further, SGS keeps the client well informed of any issues which have arisen during the installation and the manner in which they are addressed. These measures help ensure that the client

receives a functioning project that is delivered on time and according to specification.

### **WHY SGS?**

Our strength stems from our local presence and experienced staff, who have been actively involved in executing successful projects around the world. In-depth knowledge of local legal and regulatory issues combined with technical expertise, thorough schedule planning and overseeing of safety, security and quality issues are but a few of the benefits SGS brings to a project.

Additionally, SGS offers a variety of complementary services aimed at maximising a project's potential, including Site Assessment Services, Design Verification, Manufacturing Supervision and QA/QC Management and Inspection. Collectively, this broad range of services allows SGS to support our clients throughout the entire life cycle of their renewable energy projects.

**SGS IS THE WORLD'S LEADING  
INSPECTION, VERIFICATION, TESTING  
AND CERTIFICATION COMPANY.**

### **CONTACT**

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WHEN YOU NEED TO BE SURE

**SGS**