



# SUPPLY CHAIN SERVICES

## PROTECTING YOUR INTEREST WHEN BUYING OR SELLING OVERSEAS

In our global wind energy economy, products and parts are being produced wherever that is most favourable and then shipped to their final destination. Industrial producers in all markets want to offer the best possible quality for competitive prices. This requires the best possible parts and raw materials for the best price-quality mix, which drives an

ever-increasing need to have more control over the supply chain. SGS Wind Energy Services provides a broad range of Supply Chain Services, helping our customers to control the input of their processes. We help producers to assess their suppliers, supervise during production and keep track of delivery schedules. We physically inspect and check quality and

quantity of deliveries and we test samples. With our unique global network, we can rate vendors in every corner of the world, within hours or days. SGS can trace the whole supply chain. From mine to steel mill, to wind turbine manufacturing factories, to construction site, SGS assures that quality is guaranteed.

# INCREASED INTEGRATION AND COOPERATION IN THE **SUPPLY CHAIN**

## **VENDOR CAPABILITY AUDIT**

When sourcing overseas, vendor capability audits will help to assess potential suppliers. Also existing suppliers can be audited on a regular basis to ensure quality over a long period. This service involves a technical audit being carried out at vendors premises to establish their ability to undertake a specific order against client's requirements or their own accepted proposals. Services range from single visits to operating complete vendor appraisals and control schemes.

## **QA/QC INSPECTION**

QA/QC inspections are performed to verify quality of materials, parts and final products. The object of this service is to independently assure that the activities of a specified project are being performed in accordance with all contractual specifications, codes and standards or government regulations. This is verified through checks, audits, inspections and witnessing. This service is carried out completely independently of both the individual manufacturer or (sub-) contractor as well as the purchaser or final user.



Quality Assurance (QA) provide the facility owner with adequate confidence that a structure, component, material or system meets pre-stated quality standards and will perform satisfactory during service.

Quality Control (QC) is concerned with actual measurement, testing or supervision of manufacturers own final product control, either by inspection of each unit or by sample testing. This includes Non-Destructive Testing (NDT) and Coating Inspections. Before loading, the general appearance including packing, marking, quantity, etc. of the goods can be verified.

## **LOADING SUPERVISION**

SGS verifies during loading and/or unloading operations, that the goods are correctly presented, properly handled and secured on the means of transport, whether it be container, ship or truck. SGS specialists will provide the client with the assurance that the quality and safety requirements are met and that the goods are handled correctly, safely and according to the specifications.



## **EXPEDITING**

The purpose of the SGS expediting service is to ensure the delivery of purchased goods to a pre-determined and promised delivery schedule or critical path network. It is the task of the expeditor to detect and analyse the areas, which might cause or entail delays.

The expeditor must obtain or reaffirm delivery promises from suppliers, must fully investigate all aspects of the suppliers scheduling which are

evidence of the practicality of achieving such promises and must physically check progress of all functions of the suppliers operations being engineering, procurement, production and shipping departments.

The outcome of the service is to suggest constructive solutions in order to meet the schedule, inform the client of the real situation existing and of all decisions taken to meet the pre-determined schedule. SGS can perform expediting services to a sequential group of activities forming a chain within the network plan, a selected number of activities or indeed the total project activities.

## **SITE SUPERVISION**

To verify that work at construction site is being performed according to technical specifications of the wind turbine manufacturer SGS supervises all civil, electrical and mechanical work. During erection of wind farms often local Health, Safety and Environmental (HSE) regulations are applicable. SGS oversees all works on construction site with local HSE experts.

## **REPORTS**

All our audit, supervision and inspection services will be recorded with a detailed report including a photo documentation, if supportive.

### **SGS COMPETENCE CENTRE WIND ENERGY**

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