



CASE STUDY

SGS PROVIDES **QUALITY CONTROL AND CERTIFICATION** OF EQUIPMENT FOR COMBINED CYCLE POWER PLANT IN RUSSIA

In 2003, SGS was awarded a contract to provide comprehensive third-party services of supplies delivered by Siemens AG Power Generation and Enprima Engineering Ltd. to the North-West Combined Cycle Power Plant (CCPP) in St. Petersburg, Russia. Throughout the duration of the entire project, scheduled from October 2003 to May 2004, SGS's team of experts conducted Quality Control and Certification Services of gas turbine equipment and instrumentation to assure quality of the supplies in accordance with contractual specifications, letter of credit terms and the Russian technical regulations.

COMPLEX PROJECTS REQUIRE DEDICATED QUALITY CONTROL

The construction of the North-West Combined Cycle Power Plant in St. Petersburg, Russia was started in 1992 with the decision of the Russian government to establish a power plant within the framework of the Federal energy sector development program, implying the application of modern combined-cycle technologies. The Consortium P.S.I., which included Polar Real Estate Corporation, Siemens Aktiengesellschaft and Enprima Engineering Ltd, was assigned to supply two power units for the plant.

For the delivery of the second unit, Siemens AG Power Generation, on behalf of the Consortium, looked for a reliable inspection, verification, testing and certification company to assure quality of the supplies delivered to the plant.

In October 2003, SGS was assigned a contract to provide specialist Quality Control and Certification Services of gas turbine equipment and instrumentation due to its extensive experience and competence in projects of this kind.

SGS QUALITY CONTROL AND CERTIFICATION OF GAS TURBINE EQUIPMENT FOR COMBINED CYCLE POWER PLANT

For the duration of the entire contract, scheduled from October 2003 to May 2004, SGS assisted the client in performing Quality Control inspections and Certification Services to assure quality of the supplies in accordance with contractual specifications, letter of credit terms and the Russian technical regulations.



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SGS's team of experts carried out pre-shipment inspection of the equipment in Germany, Russia, Czech Republic, Finland and the Netherlands by conducting visual examination of the condition of goods with respect to the integrity and packing of the goods as well as checks of quantity in accordance with the packing list submitted by the Consortium. Furthermore, SGS verified each consignment's compliance with the contract terms and took digital photos of the equipment in the event it was damaged or in a doubtful condition.

Based on first-rate experience and expertise, SGS performed comprehensive inspection services at the site, including visual checks of quality of outer packages, digital photos of goods and confirmation of the arrival of products per shipment. In addition, SGS conducted certification of the power unit in accordance with the Russian regulations. SGS's experts defined the Russian safety norms applicable to the traded equipment and verified product specifications' compliance to GOST R standards.

Drawing on its extensive competence, SGS delivered all necessary documents to the client, including Certificate of Completion for Gas Turbine Engineering, Certificate of Completion for Instrumentation & Control Engineering, Certificate of Completion for Manufacture of Equipment, GOST R Certificate of Conformity, 38 Certificates of Conformance for Each Shipment and 38 Certificates of Arrival.

With SGS's help, the best quality of gas turbine equipment and instrumentation supplied to the North-West Combined Cycle Power Plant in St. Petersburg, Russia was assured to the full satisfaction of the client:

„When selecting subcontractor for the CCGT project we opted for SGS, primarily, due to the fact that SGS could offer us full range of the required quality assurance services, i.e. inspection in a number of countries and certification in accordance with Russian standards. Technical and managerial competence of SGS staff has been critical for the project's successful implementation.“

Siemens AG Power Generation

As the world's leading inspection, verification, testing and certification company, SGS has accreditations to all major standards and is recognised as a leading global benchmark in the field of inspection, verification, certification and testing. With an experienced and qualified staff, SGS operates an extensive network of offices and laboratories in various fields, which offer a wide range of product certification services.

SGS IS THE GLOBAL LEADER AND INNOVATOR IN INSPECTION, VERIFICATION, TESTING AND CERTIFICATION SERVICES.