



CASE STUDY

SGS PERFORMS **QUALITY CONTROL AND CONSTRUCTION SUPERVISION** FOR WASTEWATER TREATMENT PLANT IN SANT FELIU DE LLOBREGAT, SPAIN

In September 2008, SGS was awarded a contract to perform Quality Control and Construction Supervision for the extension works to the wastewater treatment plant in Sant Feliu de Llobregat, Spain. During the twenty months of construction, SGS's team of experts ensured compliance with all relevant regulations and requirements, budget control and helped to prevent construction errors and keep the project within the planned time schedule.

SGS QUALITY CONTROL AND CONSTRUCTION SUPERVISION FOR WASTEWATER TREATMENT PLANT IN SPAIN

The treatment of urban wastewater, before it is discharged into rivers or the sea, is of great importance in preventing environmental pollution. On April 9, 2010 the extension of the wastewater treatment plant in Sant Feliu de Llobregat, Spain was officially opened with the attendance of delegates from government and local authorities. The plant contributes to the agricultural and urban reuse of treated water as well as reinforcing environmental recovery in the Baix Llobregat region.

In order to proceed with the project in compliance with all relevant regulations and requirements, prevent construction errors and keep the project within the planned schedule, the Wastewater Treatment Metropolitan Society (Entitat Metropolitana de Sanejament S.A „EMSSA“) looked for a reliable inspection, verification, testing and certification company.

In September 2008, SGS Tecnos was awarded a contract to provide Quality Control and Construction Supervision for the entire project, due to its extensive experience and competence.

During the twenty months of construction, SGS provided Quality Control and Construction Supervision for the extension works to the wastewater treatment plant in Sant Feliu de Llobregat, Spain. SGS's team of experts ensured compliance with all relevant regulations and requirements and controlled the budget as well as helped to keep the project within the planned schedule. In addition, SGS revised the construction project and quality plan, managed the assembly of equipment and controlled the timetable of work.

Due to the extensive experience of SGS, the wastewater treatment plant was successfully extended with three additional biological reactors; doubling the capacity of the plant. Moreover, an advanced system of nutrient removal was installed and the tertiary treatment was extended without any technical errors within the planned schedule. The existing reactors were also retrofitted on time, without exceeding the budget. In addition, SGS successfully provided Quality Control of the tertiary treatment extension and improvements to the existing installations, such as the aeration systems and disinfection treatment unit.



CASE STUDY

The biggest challenge for SGS was putting the new extension into operation without any downtime at the wastewater treatment plant. SGS successfully fulfilled this task, which resulted in it being awarded new contracts on an even bigger scale by the client.

For the revision to project execution, SGS provided a multidisciplinary team of experts, which ensured compliance with all relevant regulations and requirements, budget control and helped to prevent construction errors.

Due to SGS's excellent work, the wastewater treatment plant project was constructed in compliance with the regulations of Spanish water reuse legislation (RD 1620/2007) and was kept within the budget and planned schedule.

ABOUT SGS QUALITY CONTROL

SGS Quality Control services ensure quality with respect to defined standards and specifications. SGS Quality Control services can be applied to all equipment, materials, structures, components or systems utilised in the construction, manufacturing and operation of all types of industrial facilities. SGS verifies materials, parts and final products through checks, audits, inspections and witnessing. The inspection of materials or equipment is carried out in accordance with quality control procedures and a checklist relating to specific types of equipment, operational factors and the vendor's quality management system.

ABOUT SGS CONSTRUCTION SUPERVISION

SGS Construction Supervision services help clients to reduce technical risks, prevent construction errors, control budgets and effectively keep a construction project within the planned schedule. With extensive experience, spanning all aspects of construction, SGS has the skills needed to provide comprehensive supervision, inspection and commissioning services for all types of projects. Construction Supervision provided by SGS ensures that all aspects of the work are in compliance with quality requirements and established standards. During the critical implementation phase, SGS supports clients by providing Site Supervision in accordance with legal construction requirements, Contractor Supervision, Non-Destructive Testing and delivered documentation supervision. Moreover, SGS offers technical and legal consulting and Project Control.

ABOUT SGS

As the world's leading inspection, verification, testing and certification company, SGS offers a large variety of services and solutions; from exploration and appraisal, to development, production and logistics. SGS ensures that the installations, material, equipment, facilities and projects meet all quality and performance requirements.

SGS IS THE GLOBAL LEADER AND INNOVATOR IN INSPECTION, VERIFICATION, TESTING AND CERTIFICATION SERVICES. FOUNDED IN 1878, SGS IS RECOGNISED AS THE GLOBAL BENCHMARK IN QUALITY AND INTEGRITY. WITH MORE THAN 67,000 EMPLOYEES, SGS OPERATES A NETWORK OF OVER 1,250 OFFICES AND LABORATORIES AROUND THE WORLD.