



CASE STUDY

SUPERVISION, PROJECT MANAGEMENT, CONTROL AND INSPECTION SERVICES FOR THE SLOVAK RAILWAY AUTHORITY

The Slovak Railway Authority awarded SGS Industrial Services and SG Geotechnika the contract for technical supervision of the railway corridor reconstruction between Piestany and Nove Mesto in Slovakia. The entire value of this large-scale project, funded by the EU cohesion fund and the Slovak state reached 180 Million Euro.

The project involved the construction and reconstruction of a 19.980 km railway track, with a track speed of 160 km/h, 191 concrete works, 2 railway bridges, 2 overpasses, 6 underpasses and passenger tunnels, along with more than 24.810 km of optical cables and 7.475 km of noise barriers for the protection of inhabited areas.

The scope of this task was the overall renewal of the rail sub-base and structure, which involved setting a new gravel bed, as well as the assembly of new rails and switches. The refurbishment of two main railway stations (Piestany and Nove Mesto nad Vahom), improving accessibility for handicapped people by installing lifts and ramps constituted other major phases of the project. Several other railway stations had all railway stops completely rebuilt to ensure a more fluid, organized and optimized rail traffic.

But the most important parts of the process were providing the track with a new power supply station and a complete communication system with two switchboards, along with the replacement of all old trolleys by modern ones.

FINDING THE RIGHT PARTNERS CAN ENSURE GREAT ACHIEVEMENTS

Since a varied set of skills was needed to lead this project to a successful finish, a team of 11 experts emerged from the alliance between SGS and SG Geotechnika. Mr. Peter Mellen took on the role of Project Manager and teamed up with 3 FIDIC engineers, a surveyor, a geologist, along with other experts on bridges, interlocking systems, trolley systems, track superstructure and sub-base, utility lines, building structures, roads, quality, safety, geodetics and financial control.

Once the team was created, they began to carry out the main project requirement: providing construction site supervision, to ensure all construction work was conformant with FIDIC conditions, as well as with Slovak legislation, regulations and standards. This part played a major role in the development of the entire project, as the availability of EU and state funding depended on the fulfillment of relevant construction criteria.



CASE STUDY

Parallel to inspecting construction sites, the SGS professionals on site successfully managed the entire project, ensuring the construction time table was properly followed, reviewing and assessing project documentation, and performing geotechnical supervision of the project sites. Since the building / rebuilding operations involved costly activities in various areas, cost control was a high priority task which SGS effectively carried out by keeping a close look on all spending.

During more than 9 200 man-days of work, the SGS team ensured that safety, health, environment and quality conditions were fully respected, using all their skills and resources to ensure the successful completion of the Slovak rail track project.

SGS IS THE GLOBAL LEADER AND INNOVATOR IN INSPECTION, VERIFICATION, TESTING AND CERTIFICATION SERVICES. FOUNDED IN 1878, SGS IS RECOGNIZED AS THE GLOBAL BENCHMARK IN QUALITY AND INTEGRITY. WITH OVER 59,000 EMPLOYEES, SGS OPERATES A NETWORK OF OVER 1,000 OFFICES AND LABORATORIES AROUND THE WORLD.