



# CASE STUDY

## STORAGE TANK INSPECTION IN JAKARTA USING INDUSTRIAL ROPE ACCESS

SGS successfully conducted Periodic Tank Inspection in Jakarta using Industrial Rope Access. As some areas were difficult to reach, Industrial Rope Access was the ideal solution for the SGS team to successfully perform and complete the inspection project.

The storage of large quantities of hazardous substances entails risk to the population, the environment and the surrounding area. Spills of these hazardous substances into the soil can result in expensive decontamination processes. In order to avoid environmental contamination caused by uncontrolled corrosion and to assure that storage tanks meet local regulations and relevant standards, SGS Industrial Services provides Periodic Tank Inspection.

During the inspection of storage tanks in Jakarta, the SGS team faced a serious difficulty: the ultrasonic (UT) crawler could not pass through the stringer supports within the tank. It was unfeasible to monitor the condition at the top of the tank with this conventional method. Industrial Rope Access is the ideal solution in cases like this, and so the SGS Competence Center for Industrial Rope Access in Singapore was asked to find a quick solution to bypass the supports. They mobilised a two-man team within only 12 hours to carry out Ultrasonic Testing manually. Thus, the inspection work in Jakarta was a great success, completed on time and within budget.

Industrial Rope Access is a form of work positioning developed from techniques used in caving. It solves difficult access problems and renders the involvement of machinery and other work equipment dispensable, thereby saving on cost.

The Storage Tank Technical Audits by SGS are conducted in accordance with EN 14015, API 650 or 653, EEMUA 159, or based on clients' specifications. These inspections include, but are not limited to the evaluation of the bottom, the shell and the roof of the tank, as well as the checking of security instruments. SGS's inspection experts have the years of experience needed to manage a wide range of measurement situations. SGS technicians receive extensive training and independent assessment and are required to undergo re-training every three years. The equipment is regularly inspected and well maintained. All SGS rope access training and operational work is conducted in line with International Code of Practice. SGS is also a full audited member of IRATA, the Industrial Rope Access



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