



Technical inspection services and guidance – Civil Works
Our expertise, your peace of mind



Who we are

Back in the 1930s, Seco was set up as an independent and neutral technical partnership of the construction industry in order to organise inspections and obtain proper insurance (Inherent Defects Insurance) for major construction projects in Belgium. Seco's role was to normalise risks involved with the design, the building materials, the construction process and the construction itself.

Over time, our role has broadened, from a compulsory step in the insurance process to one of inspection and guidance in order to avoid, reduce and eliminate risks for investors, contractors, designers, consultants and users alike. We now benefit from general recognition by international insurance and reinsurance companies.

But the world moves on. As our society needs to find an answer to the changes in lifestyle, technological developments, environmental concerns and the impact of a growing population, innovation has become key. It influences the design and the execution of projects, where aspects of occupancy and use that impact upon life cycle cost also need to be addressed.

And we can contribute here, at the level of the construction industry and as part of a global responsibility which we share, but also at the level of your project. Our extensive and multi-disciplinary expertise makes us the ideal partner to secure the quality and sustainability of your project, not only during design and execution but also "in use".

Seco: 80 years ahead in technical inspections for the construction industry!

What we do

At Seco we carry out focused inspections to avoid potential damages due to technical issues with the stability and foundations of a structure, the water and air-tightness of a shell and the functioning of technical installations. Furthermore, we monitor and control the best practices in engineering to ensure proper behaviour and performance of the construction over time.

We carry out the entire control process, from the initial in-depth examination of the project concept to the regular on-site inspections, in order to ensure the quality of the work under execution.



From design to delivery and beyond

The quality of the initial conceptual design is crucial for the final performance of your project. Therefore Seco assists both clients and designers right from the start, working with you in a proactive way through all successive stages of your project, up to the finalised construction and even during its subsequent lifespan, with continual concern for quality, assessing risk and ensuring security and sustainability. This peace of mind is our guarantee to you.



Technical Inspection Services
Design review and site inspections

- Maritime: port and offshore infrastructure
- Mobility : tunneling, viaducts, rail and road, airports
- Industry: buildings, silos, masts, tanks, reservoirs, towers
- Energy: LNG terminals, on- and offshore wind, nuclear facilities
- Environmental: water and soil treatment, landfills, sewage

Windmill substructures (onshore and offshore)

- Third party design and construction reviews
- Combined structural and geotechnical risk assessments
- Installation and manufacturing inspection
- Verification of interface between topside and foundation
- Independent fatigue assessments
- On-site Inspections of existing facilities
- Due diligence



Seismic engineering

- Performance based design evaluations
- Dynamic analyses, soil structure interaction
- Seismic upgrading of existing facilities
- Compliance checking with international standards
- SEVESO assessments
- Inspection of post-event structural safety

Specific assignments

- Early stage risk analysis (quick scan)
- Evaluation of the technical tender documentation
- Risk profiling of tender specifications
- Technical tender assessments
- Independent review of specific design and/or construction issues
- O & M and quality management systems' support
- Life Cycle Analysis



Maintenance

- Support in establishing specifications
- Evaluation of proposed maintenance programmes
- Analysis of maintenance contracts
- Periodic inspection
- Monitoring
- Maintenance auditing

Electromechanical equipment

- Tunnel ventilation
- Fire safety
- Movable bridges
- Floodgates drive
- Dams
- Lock gates drive





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