



WORKS SUPERVISION

Services related to the Site Works Supervision, technical management, book-keeping and administrative coordination.



SINA



SINA has a large experience in the field of the site works supervision for the infrastructure sector; since from its establishment the company has developed a department able to follow highway construction works, increasing the size and experience of its personnel over the years in such a way to allow it to deal with all of the typical problems of Site Works Supervision for highly complex infrastructure projects.

The area in which SINA operates is thus the one of the Site **Works Supervision** and of the **High Surveillance** for new construction projects and/or modernization of highways or national roads, performing all the necessary and prescribed checks on the works performed by the Contractor for any type of construction (embankments and pavements, bridges and viaducts in pre-stressed reinforced concrete or metal structures, special foundations such as piles, large-diameter piles, jet grouting, reinforced cement diaphragms and sheet piling, artificial or natural tunnels, excavated with traditional or mechanized methods, service buildings for motorways and toll barriers).

In addition to the site works supervision in the civil field, SINA carries out the same activities for other fields such as electromechanical, lighting, rain water disposal, toll collection, safety barrier, ventilation and fire prevention systems.

The works supervision activities performed by SINA are not limited to the highway sector, but are also performed for the railway sector (traditional and high-speed lines), both for the civil sectors and for the electromechanical system (signals, reinforcement, electrification, railway equipment).



Site Works Supervision

SINA offers all of the services related to the Site Works Supervision, both technical and managerial (book-keeping or administrative coordination).

The organization of the personnel employed by **SINA** includes the key figures of the Site Work supervisor manager, the Specialist supervisor (roads, structures, systems, tunnels), the Site Works assistants, who are also divided by specialties, such as accountants, geologists, laboratory personnel and persons in charge of environmental or structural monitoring and for topographical survey.

When necessary the service of the site works supervision make use of the specialized areas in the engineering field of **SINA**, such as those related to the environmental monitoring, in progress inspections, structural checking or anyhow project verification in the broadest sense in respect of the modifications proposed by the Contractor or of those which become necessary during the work execution.



High Surveillance

High Surveillance service is provided by SINA in case of works performed by General Contractors and consists of the direct monitoring of the job performed by the Works Supervision team, the approval of the variants and/or technical modifications proposed by the General Contractor, the inspections during the construction process of the worksite in order to guarantee that the construction is carried out in schedule and respecting the cost limits. The activities are reflected through periodical Progress Reports issue to verify necessary works quality, the contractual compliance and the respect of the design and construction with the applicable laws and regulations.



“The personnel’s profile allows for dealing with high-complex projects”



Project Accounting

The **Project Accounting** service is carried out by accounting experts who provide support to the Project Manager in preparing and keeping the administrative and accounting records necessary for the proper management of the works.

Before the beginning of the worksite activities, in addition to an in-depth study of the contract and of the respective economic framework, the operational methods and standards for drawing up the accounts are planned and shared with the Client according to his needs.

The preparation and management of the work certification status is accompanied by the following activities:

- Verification of the economic performance of the project.
- Analysis of the contractual “milestones” to indicate the elements of evaluation concerning any failure to reach the milestones, with an evaluation, if necessary, of the application of penalties.
- Analysis of Contractor’s proposal aimed at recuperating the delays.



Assistance for **clients** in litigation

The Legal area guarantees proper support to the Clients in the disputes that can arise in performing and managing Contracts for construction and litigation with the Contractors, attending to the method of claims evaluation and to the preparation of the necessary rebuttals.

Change Order

The change order procedures is managed by technical personnel with many years of experience able to provide support to the Works Supervision offices in designing and preparing the change order process, coordinating and managing the preparation of the documentation and the acts required by applicable codes. SINA personnel also guarantees prompt and adequate evaluations on the economic effects of any variations to the project requested by the Client, or proposed by the Contractor, verifying their acceptability from an administrative and economical standpoint.



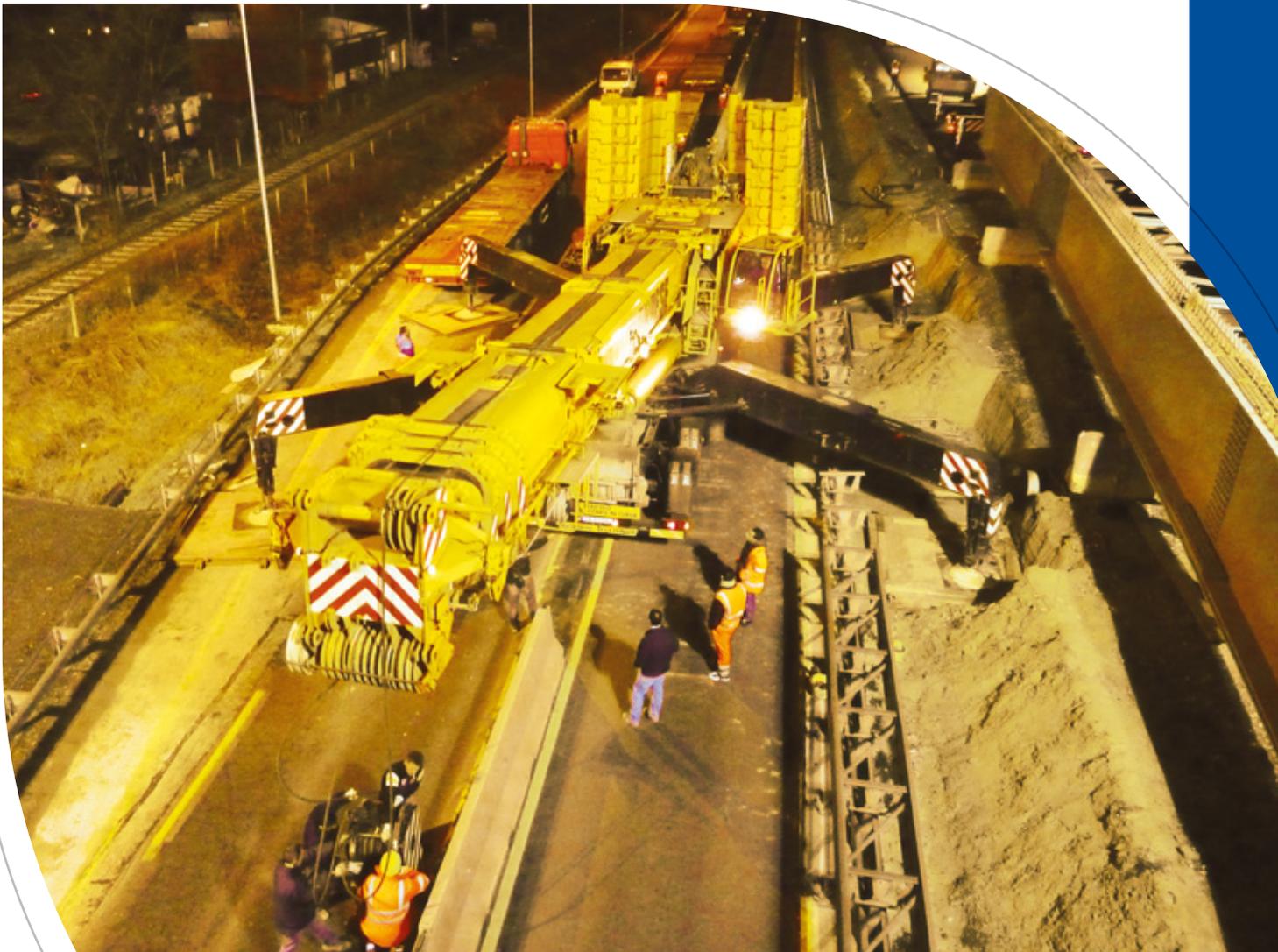
“ Well established experience in supervising site works for the infrastructure and highway sectors ”



In-progress tests

The site works supervision team guarantees assistance for the certification entities in all phases, from inspection worksite visits during works execution, to the issue of periodic reporting and to the document preparation of the acts required and necessary for the successful conclusion of the technical-administrative inspection by independent bodies.

Before starting his job, the works supervision team schedules all the activities in order to take samples, execute inspections in progress as required by applicable regulations and contractual documents, identifying any additional tests that may become necessary during works execution.



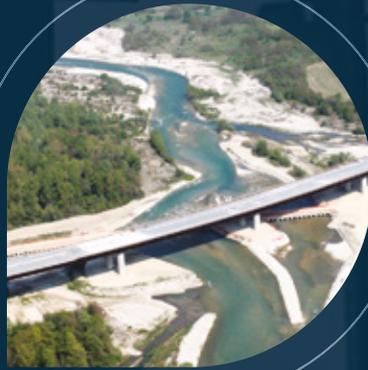
Principal services*

CLIENT	DESCRIPTION	AMOUNT OF WORKS (millions of Euros)
METRO ENGINEERING	BRE.BE.MI highway (connection between Brescia and Milan).	1482,7
FIAT (CAV TO-MI)	High-speed/capacity railway line Turin-Novara.	1440,0
SATAP	Section A4. Modernization of A4 highway Turin-Milan - lots 1.2.1, 1.2.2 and 1.2.3.	198,7
FIAT (CAV TO-MI)	High-speed/capacity railway line Novara-Milan.	195,9
SATAP	Section A4. Modernization of A4 highway Turin-Milan - lot 1.1.	158,9
A33 AT-CN	A33 highway, Asti-Cuneo - section 1, lots 3, 4.	143,3
SATAP	Section A4. Modernization and adaptation of A4 highway Turin-Milan - section Turin-Novara, lot 1.4.1.	127,7
SATAP	Section A4. Modernization and adaptation of A4 highway Turin-Milan - section Turin-Novara, lot 1.3.	124,8
A33 AT-CN	A33 highway, Asti-Cuneo - section 1, lot 5.	115,6
SATAP	Section A4. Access road to the new exhibition center in Rho-Pero - Section B.	99,3
SATAP	Section A4. Modernization of A4 highway Turin-Milan. Bernate By-pass.	97,8
SATAP	Section A21. New connection in Piacenza between A21 and A4 highways - lots 8.9, 8.10 and 8.11.	54,2
A33 AT-CN	Highway connection A33 Asti-Cuneo. Electrical and Mechanical Plants.	46,5
SITRASB	Gran San Bernardo tunnel - Safety Tunnel and Ventilation System.	41,7
SCR PIEMONTE	Strevi ring road.	38,5
AUTOSTRADA DEI FIORI	Transformation of Ventimiglia highway plaza and appurtenances.	33,8
SCR PIEMONTE	Tortona ring road.	22,2
PROVINCIA DI POTENZA	New road connection Candela - Potenza.	21,2
AUTOSTRADA DEI FIORI	New interchange and highway toll barrier in Borghetto S. Spirito.	20,3
MI SERRAVALLE MI TANGENZIALI	Modernization of the Forlanini interchange, Linate airport.	18,0
PROVINCIA DI PIACENZA	New southwest Piacenza ring road.	16,3



*Services produced by Sina directly and/or in partnership.

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