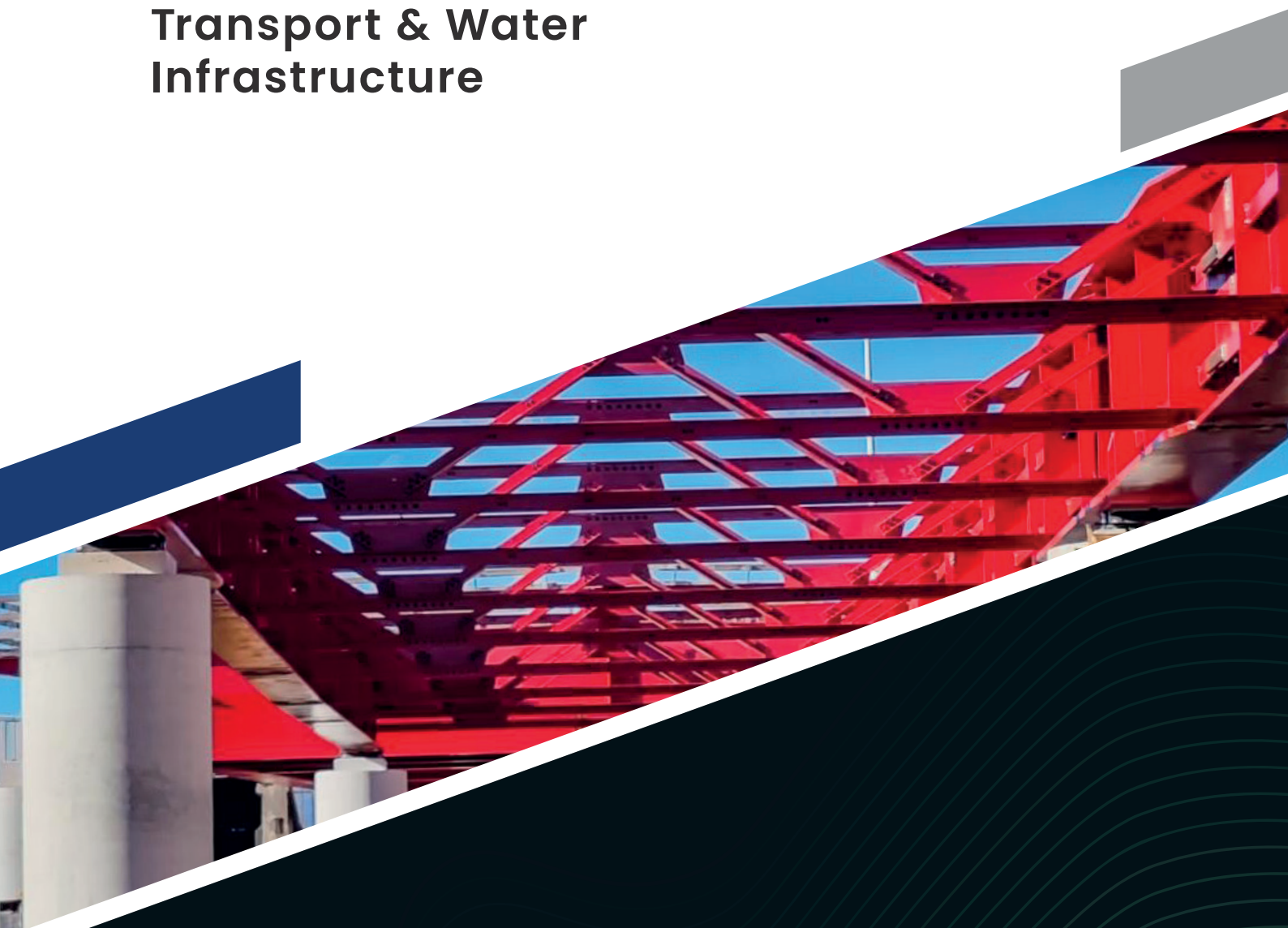


Edizione 2026



BUSINESS UNIT

Transport & Water Infrastructure



seingim

ABOUT US

/ Being Seingim

Since 1997, Seingim has been generating value and making a significant contribution to the advancement of civil and industrial engineering, not only in Italy but also worldwide.

Collective well-being is at the core of our engineering philosophy. This is why we strive every day to transform our vision into valuable solutions and opportunities for both people and the environment.

Our clients and partners benefit from the expertise of **over 560 professionals**, a comprehensive suite of integrated services and a strong commitment to innovation and excellence.



/ Our Operating Offices

- Ceggia (Venice) - HQ
- Milan
- Rome-Prati
- Rome-Parco de' Medici
- Genoa
- Turin
- Padua
- Verona
- Bolzano
- Ispra
- Trieste
- Udine
- Ferrara
- Fano
- Cagliari
- Taranto
- Vibo Valentia
- Catania
- Almaty (KZ)
- Riyadh (KSA)
- Basel (CH)
- Munich (DE)

Quality Standards & Certifications

- Quality: **ISO 9001:2015**
- Environment: **UNI EN ISO 14001:2015**
- Health & Safety: **UNI EN ISO 45001:2023**
- Energy: **UNI CEI EN ISO 50001:2018**
- BIM: **UNI/PdR 74:2019**
- Social Responsibility: **SA 8000:2014**
- Information Security: **UNI CEI EN ISO/IEC 27001:2024**
- Gender Equality: **UNI PdR 125:2022**

/ Vision

Seingim aims to become a global leader in multidisciplinary engineering, delivering advanced and sustainable technological solutions for industry and infrastructure, ensuring efficiency, safety and innovation.

/ Mission

Seingim develops innovative and sustainable engineering solutions by integrating advanced technologies and multidisciplinary expertise to ensure efficiency, safety and high-quality standards in industry and infrastructure.

COMPANY

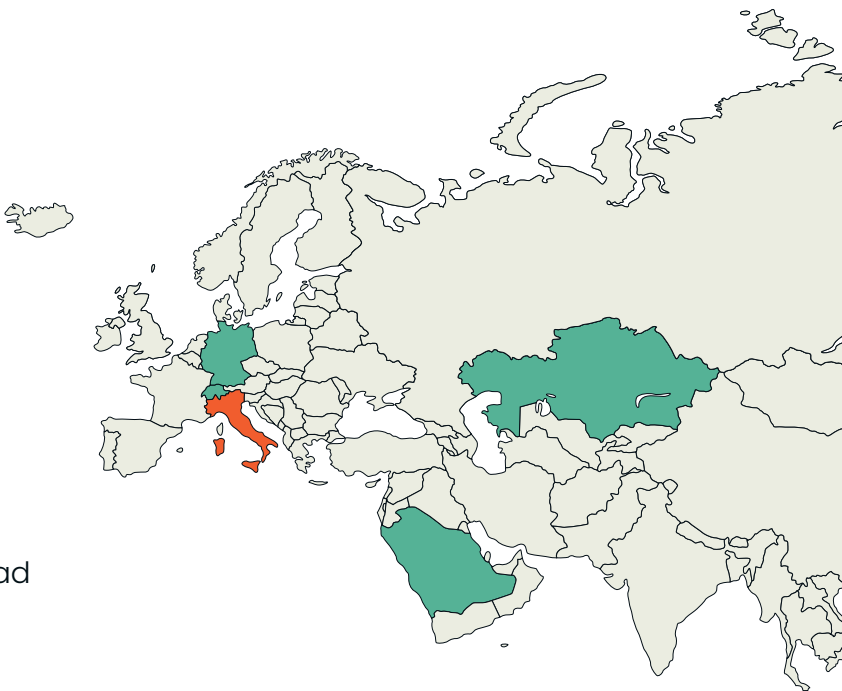
/ Key Data

560+
Resources at
Seingim

180+
New entries
in 2025

1.1 Mln
Engineering
hours in 2026

22
Group offices:
18 in Italy and 4 abroad



BUSINESS LINE

/ Business Sectors

Our multidisciplinary expertise enables us to successfully operate across a broad range of industries, delivering tailored solutions that meet each client's specific needs. By combining advanced technical capabilities with an innovative approach, we effectively tackle complex challenges, ensuring quality, sustainability and outstanding results.

- Buildings
- Infrastructure
- Renewable Energies
- Water & Transport Infrastructure
- Environmental Permitting
- Smart Solutions
- Energy Efficiency
- Industrial Energy Transition
- Power generation
- Oil & Gas
- Petrochemical
- Chemical
- Pharmaceuticals & Life Science
- Management & Consulting
- Telecommunications
- Site Survey



/ Our Organization



LIFELONG LEARNING

/ Professional Growth

We believe in continuous improvement. In the engineering sector, staying up to date is essential to meeting industry standards and driving innovation. That's why we invest in development programs to ensure our team is always equipped to tackle new challenges and deliver cutting-edge solutions.

Every project starts with an idea and with us ideas become reality.



/ Our Technical Capabilities

- Environmental Permitting
- Process & HSE
- HVAC and Machinery & Package
- Piping & Layout
- Civil & Structures
- Electrical
- Energy Efficiency
- Technical Safety Engineering
- Project Management
- Surveys & Monitoring
- Instrumentation, Automation & Telecommunications
- Construction Management

TRANSPORT INFRASTRUCTURE



More than just a provider: a trusted partner.

Seingim supports its clients as a strategic partner, guiding them toward tangible results even in the most complex projects, both nationally and internationally.

As one of the leading players in the Italian engineering sector, Seingim offers specialized support to public and private contracting

authorities, consultancy firms, construction companies, and stakeholders in the civil infrastructure sector.

Through highly qualified engineering services, we accompany each client throughout the entire project lifecycle, effectively meeting needs related to validation, management, design, and execution.

BRIDGES, VIADUCTS AND CIVIL STRUCTURES



Bridge and Viaduct Design

The extensive on-site experience, deep knowledge of numerical modeling, and structural behavior—combined with a focus on constructability—allow Seingim's engineering team to design safe, optimized, and sustainable structures.



Geotechnical Engineering

Each site and project requires thorough geotechnical analysis. Our engineers propose improvement solutions at every design stage, optimizing the work both structurally and geotechnically.



Digitisation

Seingim's design processes are fully integrated with the BIM approach, which is not just a service but the cornerstone of a new design mindset.

The goal is to ensure a seamless and harmonized workflow, extending to the architectural integration of structures into the surrounding landscape. Thanks to BIM, cross-disciplinary coordination and alignment with existing structures are optimized, minimizing interferences.



Asset Management

Seingim acts as a strategic partner for public administrations and road network managers, offering comprehensive support throughout the asset lifecycle—from design and construction management to investment planning and infrastructure maintenance.



ROAD INFRASTRUCTURE



Hydraulic Design

We develop hydraulic designs that support infrastructure projects through an integrated approach, aimed at sustainable water resource management and hydraulic risk prevention.

We analyze drainage systems, flow regulation structures, detention basins, and water collection and disposal systems, providing technically effective solutions that comply with regulations and are fully integrated with the surrounding environment.



Road and Rail Design

We develop and design routes in accordance with current national regulations in terms of planometric layout, speed and visibility to offer a project that does not only look at the regulations but also at the optimisation of the route as a starting point for the optimisation of civil works; an iterative and optimised design process.



Existing Civil Works

Our engineers have extensive experience in analysing existing engineering structures and identifying deterioration and root causes, recommending corrective actions and evaluating alternative rehabilitation methods that meet your specific needs on time and on budget.



Monitoring

The experience gained in technical assistance during testing and commissioning, combined with dynamic structural engineering expertise are essential for the predictive analysis of structural monitoring and health assessment of infrastructural structures.



Owner & Contractor Consulting

Drawing on decades of experience in the field of civil design and construction management, we have dedicated a team of professionals to assist you and provide support, checking the feasibility of the design and adapting solutions to your needs.



Design of Auxiliary Structures

Minor civil and ancillary works such as safety barriers and acoustic barriers are approached with professionalism and expertise to ensure the highest standards of safety and compliance with regulations while keeping ease of construction and critical analysis of quantities at the forefront.

WATER INFRASTRUCTURE

WATER SUPPLY SYSTEMS



Network digitisation

Through non-destructive monitoring techniques and advanced technologies, we provide high-quality services for the digital mapping of underground and above-ground utilities. The data processed by our experts and BIM Management skills guarantee the level of graphic and informative detail required to meet every need.



Existing Civil Works

Our engineers are experienced in analysing existing structures and identifying deterioration and root causes, recommending corrective actions and evaluating alternative rehabilitation methods that meet your specific needs on time and on budget.



Multidisciplinary Plant Design

A long history of successful work in the design of major industrial plants has enabled the effective multidisciplinary detailed design of water treatment and purification facilities.



Structural safety monitoring and assessment of engineering structures

In a context of increasing awareness of the health assessment of infrastructural structures, thanks to our expertise in structural engineering, we can be your partner in integrating this first step of assessment and managing the design of rehabilitation interventions.



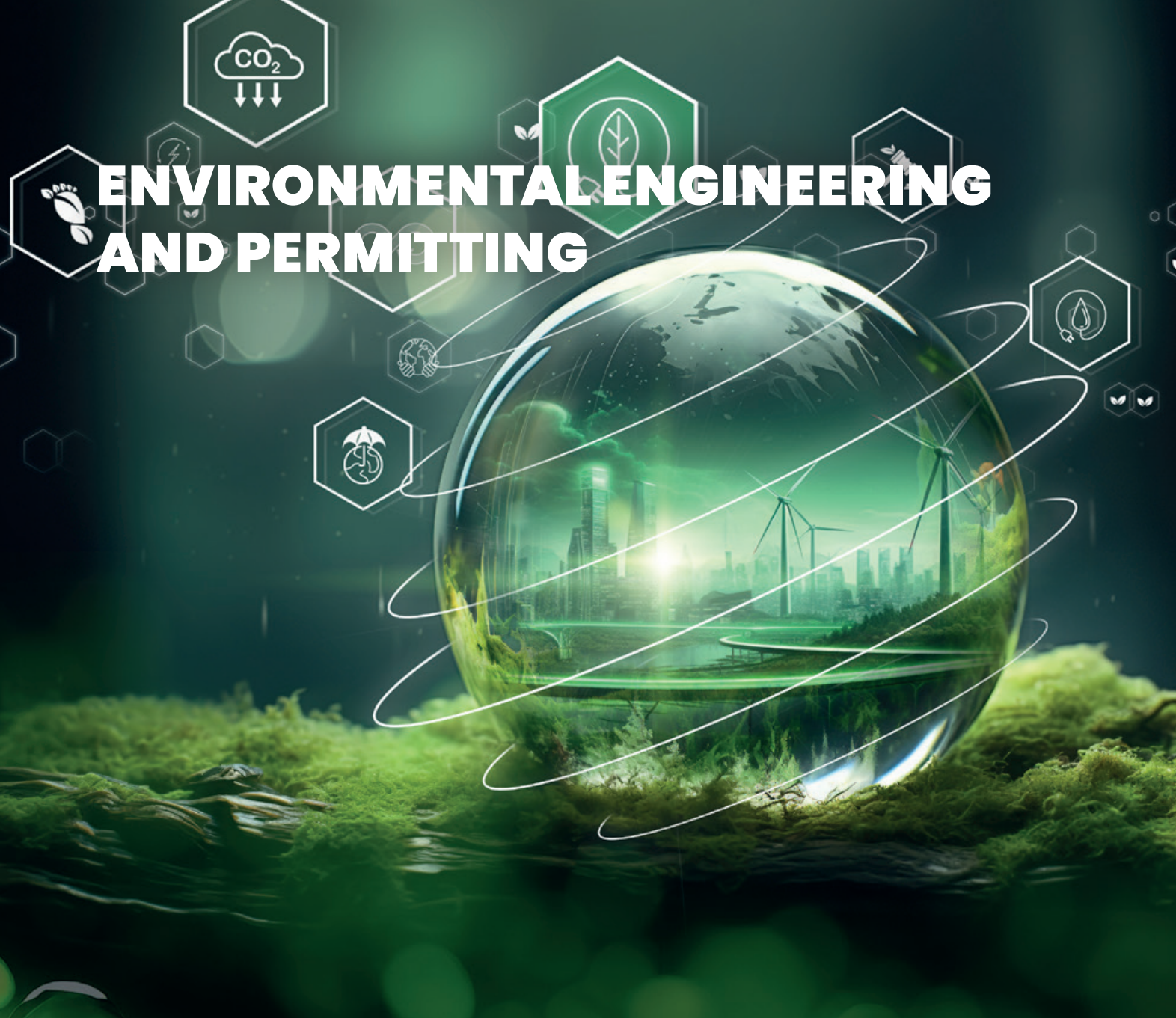
Energy efficiency

Pumping and lifting stations can be improved by replacing circulation equipment with inverters and by downsizing distribution networks. Articulated networks with high pressure losses cause pumping systems to operate incorrectly. Structural and management changes can lead to significant energy and economic savings.



Civil works

Consolidated experience in civil and plant design, specialisation in the design of underground utility routes, accurate identification and management of interferences are distinctive features of our multidisciplinary and integrated approach.



ENVIRONMENTAL ENGINEERING AND PERMITTING

To ensure that a project is integrated and sustainable in the landscape and environmental context, the assessment procedures must develop in parallel with the project itself. Seingim does not limit itself to producing technical documentation to obtain opinions and authorisations, but through its Environmental Permitting BU, with a multidisciplinary team, ensures a coherent design, providing mitigation works and

environmental compensation if necessary.

We follow the project from the feasibility check to the drafting of the documentation, interfacing with the competent bodies until the authorisation is issued and the work is carried out. We also undertake Environmental Due Diligence, verifying the application of regulations and estimating the charges for any corrective measures.



Environmental Impact Assessment (EIA)

In order to guarantee the correct environmental insertion of an intervention, we judge the project by analysing the potential impacts on the biotic and abiotic components that characterise the environmental reference context, defining possible mitigation and compensation works and possible environmental monitoring.



Screening for Environmental Impact Assessment

Consistent with current legislation, we prepare preliminary environmental studies aimed at verifying any environmental impacts of the intervention with respect to the reference environmental landscape context.



Appropriate Assessment

Analysing possible impacts on Natura 2000 sites in order to ensure the conservation and protection of biodiversity.



Strategic Environmental Assessment (SEA)

Through the SEA procedure, we evaluate plans and programmes for the implementation of interventions.



Single Environmental Authorization (AUA)

Through the useful drafting for the activation of this single authorisation measure, we guarantee the customer seven environmental communications and authorisations in a single title.



Integrated Environmental Authorization (IEA)

Through this measure, we guarantee the customer operating authorisation while ensuring a high level of protection for the environment as a whole, providing for measures to avoid/reduce emissions into the air, water and soil and the generation of waste.



Landscape Report

We ensure the proper landscaping of an intervention also through the design of integration, mitigation and masking works.



Noise Impact Assessment and Prediction (DPIA)

Through proprietary sound level meters we carry out sound climate measurements and with the help of predictive models we analyse and model the acoustic climate of interventions during construction and commissioning.



Construction Site Plans

We prepare ad hoc PACs aimed at defining best practices to be implemented in construction in order to avoid possible impacts on environmental components and minimise the risk of unforeseen environmental exceedances and/or criticalities that could also lead to a slowdown of the works.



Site Inspections

We carry out site inspections in order to monitor compliance with environmental regulations during the construction phases.



Environmental Monitoring Plans

We tailor environmental monitoring plans to track the key environmental indicators to be monitored to ensure environmental compliance.



Environmental Monitoring

We monitor the various components in the field in order to avoid or detect any criticalities during the ante, in-process and post-operam phases, providing any corrective actions to be implemented in the event of overruns.



AREAS OF EXPERTISE



Environment and Permitting

- Environmental Impact Assessment (EIA)
- Verification of subjectivity to EIA (VAV)
- Strategic Environmental Assessment (SEA)
- Single Environmental Authorisation (AUA)
- Integrated Environmental Authorisation (AIA)
- Landscape Report
- Noise Impact Prediction Documentation (DPIA)
- Environmental Site Plan
- Environmental Monitoring Plans
- Design of mitigation and compensation works
- Pre-feasibility/environmental feasibility reports
- Document of Feasibility of Project Alternatives (DOCFAP)
- Geological reports
- Agronomic reports
- Photo insertion and rendering
- Urban compatibility reports
- Urban variants.



Existing Buildings

- Inspection of engineering structures, road and water infrastructure (existing bridges, culverts, channel bridges, pipe bridges);
- Assessment of attention classes and structural safety;
- Analysis of passability and operability;
- Definition of investigation plans and coordination of inspection activities;
- Mapping of deterioration;
- Design of structural adaptation and reinforcement measures;
- Definition of a monitoring plan for the structure.



Surveys & Monitoring

- 3D laser scanner surveys;
- LiDAR, Thermal and Multispectral aerial surveys;
- Topographical and plano-altimetric surveys;
- Analysis using Non-Destructive Testing (NDT) methods;
- Mapping underground systems and networks using ground-penetrating radar technology.



On-site activities

- Consultancy services for contractor and client;
- PMC services;
- Site accounting support;
- Technical assistance during testing and commissioning;
- Construction Site Management.
- Checks on the implementation of the Environmental Site Plan
- Environmental monitoring activities
- Acoustic surveys/measurements
- Construction Management.



Civil Design

- Design of road and rail bridges: trusses in mixed section, trusses, arches, embedded beams and orthotropic plate decks;
- Design of bridges serving waterworks and aqueduct lines;
- Large structure assembly and bridge launching project;
- Design of civil foundation and temporary works;
- Detailed design for the contractor;
- Geotechnical Design;
- BIM Management;
- Executive Drawings and Workshop;
- Earth moving (estimated excavation and backfilling volumes);
- Photo insertion and rendering;
- Executive and Construction Design Validation;
- Analysis of Constructability of Works;
- Value Engineering and Structural Optimisation;
- Review and management of bills of quantities (BoQ).

SPECIALISED SOFTWARE

/ Advanced Tools



Structural calculation and FEM modelling

- Midas Gen;
- Midas Civil;
- STAAD V8 Pro;
- SAP2000;
- Idea Statica;
- Ram Connection;
- Hilti Profis Engineering.



BIM modelling and graphical outputs

- Tekla Structures;
- Revit;
- AutoCad;
- Civil 3D;
- Naviswork;
- Suite Adobe (Photoshop, Illustrator).



Hydraulic Modelling

- Hec-Ras;
- Epanet;
- Siphon.



Road Design

- Civil Design;
- AutoTURN.



Contability and Construction Site

- STR Vision;
- Primus;
- Project.



Surveys

- Autodesk Construction Cloud:
 - Proceq GPR;
 - Screening Eagle GPR Insight+Slice;
 - DJI Terra e Thermal Analysis Tool;
 - Leica Infinity Core;
 - Leica Cyclone Register 360 plus;
 - Revit.



Energetics

- IES Virtual Environment;
- Edliclima (suite);
- Termolog;
- (Proprietary) technical-economic evaluation tools.



Environment

- SAP;
- Quantum GIS;
- ACCA Software – Primus C (Accounting);
- ACCA Software – Primus P+A (Accounting);
- ACCA Software – Mantus (Maintenance Plan);
- CadnaA;
- Edilclima Acoustic module;
- DesignBuilder.



**The future depends on
key strategic decisions.**

**Seingim is the trusted
partner that turns ideas
into reality.**



seingim

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/ Sales Office

sales@seingim.it



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**DESIGNING
CHANGE,
BUILDING
THE FUTURE.**

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