

seingim

engineering made human



company profile 2023



prova

BEING SEINGIM

Seingim has been creating value and contributing to civil and industrial engineering progress in Italy and in the world since 1997.

Our conception of engineering is art at the service of the collective well-being and we strive every day to turn our vision into priceless solutions and opportunities for people and the environment.

This is why our clients and partners can count on a team of over 420 talented members, a vast offer of integrated services, and a natural inclination for innovation and excellence.



OFFICES

Ceggia (VE) • Padua • Bolzano • Turin • Udine • Rome-Prati • Rome-Magliana • Vibo Valentia
Taranto • Milan • Genoa • Ispra • Trieste • Fano • Cagliari • Catania • Aksay (KZ) • Almaty (KZ)

OUR SECTORS

- 01 Chemical & Petrochemical
- 02 Life Science
- 03 Oil & Gas
- 04 Buildings
- 05 Infrastructures
- 06 Power plants
- 07 Renewable energies
- 08 Energy efficiency
- 09 Management and Consulting

CERTIFICATIONS

- 1. Quality: UNI EN ISO 9001
- 2. Environment: UNI EN ISO 14001
- 3. Health and Safety: UNI ISO 45001
- 4. Energy: ISO 50001
- 5. BIM: UNI/PdR 74

OUR NUMBERS

420+	people in Seingim
965k	2023 engineering hours
1000	projects in the last 5 years
17	offices in Italy and abroad



engineering made human



CHEMICAL & PETROCHEMICAL

Thanks to the wealth of experience acquired in many years of designing the petrolchemical plant in Marghera, Seingim is able to provide solutions suited to developing extremely high-level chemical and petrolchemical plants.

The ability to work as a team, the problem-solving approach, and the constant evolution of our professional roles guarantee a wide range of services.

FIELDS OF APPLICATION

Processing plants

Petrochemical plants

Chemical-biochemical plants

Wastewater plants



SERVICES

- Feed
- Basic design
- Process simulation
- Detail design
- Process safety
- Construction design
- Field engineering services
- Project and program management
- Construction management
- Procurement
- Pre-commissioning / Commissioning / Start-up impianti
- Asset management and integrity
- Permitting support

SUBJECT AREAS

- Process design
- Civil and structure design
- Electrical design
- I&C design
- Automation design
- Machinery and package, static equipment, piping and layout
- HSE
- Thermotechnics and HVAC engineering
- FD & FF (fire detection and fire fighting design)



LIFE SCIENCE

Seingim offers a wide range of engineering and consulting specific to all the players in the sector, capable of supporting operators in reaching sustainability goals and ensuring compliance to the highest engineering and construction standards.

We support the client from the very first stages of project development, providing technological support and consulting even in the event of changes, improvements, and streamlining of the plant.

FIELDS OF APPLICATION

Pharmaceutical sector plants


SERVICES

- Project and program management
- BOP detail design
- Construction management
- Procurement
- Process safety
- Field Engineering

SUBJECT AREAS

- Civil and structure design
- Electrical design
- I&C design
- Automation design
- Machinery and package, static equipment, piping and layout
- HSE
- Thermotechnics and HVAC engineering
- FD&FF (fire detection and fire fighting design)





OIL & GAS

Seingim is able to manage large-scale multidisciplinary projects thanks to a business structure capable of sharing knowledge and skills to support clients with innovative solutions.

FIELDS OF APPLICATION

Onshore oil & gas plants

Our activities include studies on pre-feasibility (concept selection) and base/FEED (concept definition), execution, and construction, including assistance in the field during the systems design commissioning and starting stages.

Offshore oil & gas plants

SERVICES

- Feasibility studies
- Feed
- Detail design
- Construction design
- Construction management
- Project and program management
- Procurement
- Pre-commissioning
- Field engineering services, commissioning, start-up services
- Asset management and integrity
- FAT & SAT

SUBJECT AREAS

- Process engineering
- Civil and structural engineering
- Energy engineering
- Machinery and package, static equipment engineering
- Piping and layout engineering
- Thermotechnics and HVAC engineering
- Instrumentation, automation & control and telecommunications engineering
- Electrical engineering
- HSE engineering





BUILDINGS

Whether pre-existing or to be built, a building is not only identified by its structure but especially by a unique work experience, made of ideas and innovation, usability and comfort, solidity and elegance. Starting with this awareness, we have wide-ranging, cohesive multidisciplinary teams ready to write another new,

FIELDS OF APPLICATION

Office buildings

Hospitals

Health districts, nursing homes, and residential care homes

Commercial and retail buildings

Multi-purpose buildings

winning story in the building design field. From hospitality to public structures up to health care buildings of all sizes, we work on concepts that focus on developing targeted, innovative, and sustainable systems engineering solutions.

Laboratories and research institutes

Hospitality and hotels

Restoring buildings of historical and cultural interest

Artisanal and industrial buildings

Sports and leisure centres



SERVICES

- Masterplan
- Project and program management
- Feasibility studies
- Preliminary design
- Detail and construction design
- Preliminary, definitive, executive designs
- Value engineering
- Design validation
- Construction supervision and assistance
- Safety coordination during design and execution
- Procurement
- Permitting support
- Consultation for LEED, BREAM and NZEB certifications

SUBJECT AREAS

- Civil and structural engineering
- Heat engineering, HVAC and plumbing engineering
- Automation and building management systems
- Access control and CCTV
- FD&FF
- Electrical engineering
- Dynamic energy simulation
- Acoustics
- IT infrastructure





INFRASTRUCTURES

Seingim believes in national and European recovery stemming from creating efficient, accessible, long-lasting infrastructure.

With many years of experience accrued in every strategic context (port, airport, highway, major projects...), we are capable of developing the best operating and technological solutions, accompanying clients towards the challenges of the future.

FIELDS OF APPLICATION

Ports

Sewer networks

Airports

E-mobility

Road networks

Data centres

Aqueducts and water networks

Logistical platforms

Electrical networks

Fibre optic infrastructure

Gas networks

Infrastructure for mobile communications



SERVICES

- Masterplanning
- Feasibility studies
- Preliminary, definitive, and executive designs
- Designing FFTC & FTTH networks
- Designing mobile networks
- Designing HV/MV/LV electrical networks
- Local energy networks
- Project and program management
- Value engineering
- Energy analysis of the infrastructure
- Construction supervision and assistance
- Construction management
- Safety coordination (CSE)
- Procurement
- Field engineering
- Permitting support

SUBJECT AREAS

- Civil and structural engineering
- PNI and mobile communication design
- Energy engineering
- Electrical engineering
- Heat engineering & HVAC engineering
- Pipeline engineering
- Hydraulic engineering
- Instrumentation, automation & control and telecommunications engineering





POWER PLANTS

At a time where the energy sector is undergoing a profound transformation, Seingim is ready to accept the challenge of sustainability, focusing on cutting emissions and reaching full carbon neutrality.

We develop innovative solutions that are often connected to take advantage of all types of waste, deploying the skills of an extensive, highly-qualified, competitive multidisciplinary team: truly one-of-a-kind in the nation.

FIELDS OF APPLICATION

Combined and open cycle thermoelectric power plants

Cogeneration and trigeneration systems

Balance of plant for nuclear installations

Waste-to-energy power plant

SERVICES

- Feasibility studies
- Feed
- Detailed and construction design
- Field engineering construction management
- Owner engineering
- Project and program management
- Procurement
- Plant Pre-commissioning / Commissioning / Start-up
- Asset management and integrity
- Permitting engineering

SUBJECT AREAS

- Process engineering
- Civil and structural engineering
- Energy engineering
- Machinery and package, Static equipment engineering
- Piping and layout engineering
- Heat engineering and HVAC Engineering
- Instrumentation, automation & control and telecommunications engineering
- Electrical engineering
- HSE engineering





RENEWABLE ENERGIES

The search for green, energy-efficient systems always underlies the work we do at Seingim. With a unique mix of skills that knows few equals, our process engineers study and apply the best solutions to tackle

the energy transition journey as protagonists, mindfully relying on the resources of sun, wind, water, and earth.

FIELDS OF APPLICATION

- Bio-mass power plants
- Biomethane power plants
- Hydrogen power plants
- Wind turbines
- Photovoltaic and concentrated solar systems
- Geothermal systems

- Hydroelectric power plants
- Energy communities
- CO2 capture and storage systems
- Green hydrogen plants
- Synchronous condensers



SERVICES

- Feasibility studies and consultation
- Master plan
- Feed
- Detailed and construction engineering
- Integrated EPCM services
- Owner engineering
- Construction supervision and management
- Project and program management
- Procurement
- Field engineering
- Asset management and integrity
- Permitting support

SUBJECT AREAS

- Process engineering and simulation
- Civil and structural engineering
- Energy study
- Regulation framework con TSO (transmission system operator)
- Machinery and Package, static equipment engineering
- Piping and layout engineering
- Heat engineering and HVAC engineering
- Instrumentation, automation & control and telecommunications engineering
- Electrical engineering
- HSE engineering





ENERGY EFFICIENCY

Thanks to the support of an extensive dedicated team of over 50 resources, including engineers, architects, appraisers, and surveyors, we offer exclusive, complete support solutions, managing each step of the process from an integrated perspective, from the concept to the executive design of all the initiatives of increased efficiency.

FIELDS OF APPLICATION

Energy process analysis

Energy engineering

Machinery and packaging, static equipment engineering

Piping and layout engineering

Heat engineering and HVAC engineering

Day by day, we develop increasingly innovative solutions to progressively reduce the energy-environmental impact of the involved processes and structures, contributing to the recovery of the construction sector and improving the energy performance of existing assets.

Instrumentation, automation & control, and telecommunications engineering

Electrical engineering

HSE engineering

CFD studies

SERVICES

- Master plan
- Consulting
- Feasibility studies
- Preliminary, definitive, and executive designs
- Construction designs
- Project and Program Management
- Dynamic and static power analyses
- Plant demographics and Technical-economic plans
- Business plan
- Construction supervision
- Safety coordination
- Procurement
- Permitting

SUBJECT AREAS

- Energy process analysis
- Energy engineering
- Machinery and packaging, static equipment engineering
- Piping and layout engineering
- Heat engineering and HVAC engineering
- Instrumentation, automation & control, and telecommunications engineering
- Electrical engineering
- HSE engineering
- CFD studies





MANAGEMENT AND CONSULTING

Seingim has an extensive multidisciplinary team of professionals with expertise in Control and Planning, Project Management, Permitting, Commissioning, Supervising Construction, and Safety Coordination.

The efficiency of these groups is assisted by cross-party support professionals, such as the Technical Secretary, to ensure effective, efficient assistance even in the most complex construction sites.

SERVICES

- Resource and activity planning
- Project control
- Assistance in construction sites
- Job accounting
- Commissioning authority procedures and activities
- Project quality plan
- Operating procedures
- Improvement engineering
- Integrated project management

FIELDS OF APPLICATION

Project and program management

Project quality assurance

PMO (project management office) services

Owner engineering

PPM (project portfolio management) services

Value engineering

Construction supervision

Calls for Proposals for Improvements to Businesses

Construction site safety (CSE)

Third-party training

Commissioning authority

Industrial research and development



SOFTWARE & TOOLS

General and Project Management

- Microsoft Project
- Oracle Primavera P6 Professional
- OFFICE Various Releases (Word, Excel, Access, PowerPoint, Publisher, Outlook)
- SAP
- AutoCAD (Various Releases)
- Autodesk REVIT (BIM)
- Microstation/J - Bentley Systems
- ACCA Software - Primus C (Accounting)
- ACCA Software - Primus P+A (Accounting)
- ACCA Software - Mantus (Maintenance Plan)
- DWG Trueview
- NavisWorks JetStream
- Adobe CC (Photoshop, Illustrator, etc)

Process Engineering

- Aspen Tech - Aspen HYSIS (Hydrocarbons simulation)
- Aspen Tech - Aspen Plus (Chemical process and polymers simulation)
- ASPEN TECH - EDR Exchange Design & Rating (Heat Exchanger Design)
- AVEVA - Simsci Pro II (Chemical Process Simulation)
- AVEVA - Simsci Pipephase (Hydraulic calculation)
- Sunrise - PIPENET (Hydraulic calculation)
- AVEVA - Diagrams (Smart P&ID)
- Intergraph Corporation Smart Plant P&ID
- Intergraph Corporation CADWorx P&ID Professional (Smart P&ID)

Civil e Structural Engineering

- StAAD V8i (FEM Design)
- Midas Gen (FEM Design)
- Tekla Structures 2019 (Steel Detailing)
- Autodesk Revit (3D Modelling)
- Aveva E3D - PDMS (3D Modelling)
- Idea Statica (Steel Connection Design)
- Intergraph Corporation Smart Plant 3D (Modelling 3D)
- Intergraph Corporation CADWorx Plant Professional

Fire Protection Engineering

- Namirial - CPI Win BM (Fire Fighting)
- Autodesk CFD

Machinery & Package, Static Equipm. & Piping Engineering

- Intergraph Corporation Smart Plant 3D -PDS (Modelling 3D)
- Intergraph Corporation CADWorx Plant Professional
- Aveva E3D - PDMS (3D Modelling)
- CAESAR II (Stress analysis)
- PUMA/ECOS: piping MTO
- HTRI /HTFS (Thermal rating of heat exchanger)
- Intergraph Corporation Isogen
- Intergraph Corporation PV Elite

Thermotechnics & HVAC Engineering

- Edilclima (Buildings Energy performance), MC4
- Energy Plus (Buildings Energy performance)
- CENED Plus (Buildings Energy performance)
- Design Builder

Instrumental, Automation & Control, Telecommunications Engineering

- AVEVA Instrumentation
- Intergraph Corporation Smart Plant Instrumentation (ex: INTOOLS)
- Siemens COMOS
- Electrographics, Smart Professional (Design optimization in computer)
- Instrucalc (Sizing of regulation Valves and Flow rate elements)
- CONVAL (Valves Sizing)
- Fisher Specification Manager (Control Valves)
- Emerson PRV Size (Safety Valves)

Electrical Engineering

- Intergraph Corporation Smart Plant Electrical
- ETAP (Electrical Power System Analysis & Operation Software)
- Electrographics, Ampere Professional (Sizing and Electrical Calculations)
- Electrographics, Smart Professional (Design Optimization in computer)
- NeXT, ProLED (Electric Power Distribution Design)
- Dialux (Lighting calculations)
- ATEX Gas e Polveri TNE (Hazardous Area Classification)
- ZEUS 2 (Lightning Protection System)



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OUR CLIENTS

01 Chemical & Petrochemical

Acomon S.r.l.
Acqua di Nepi S.p.A.
Acqualatina S.p.A.
Actavis Italy S.p.A.
Akzo Nobel Coatings S.p.A.
Allnex Italy S.r.l.
Alpe Guizza S.p.A.
Altuglas S.r.l.
Arkema S.r.l.
Atzwanger S.p.A.
BASF Italia S.p.A.
Cabot
Casale S.A.
Chemgas
CSV LIFE SCIENCE S.r.l.
Decal Spa Depositi Costieri Calliope S.p.A.
Desmet Ballestra Group S.p.A.
Eni Progetti S.p.A.
Eni Syndial S.p.A.
Eni Versalis S.p.A.
Fresenius Kabi Italia S.r.l.
Galentis S.r.l.
HBI S.r.l.
Industrie De Nora S.p.A.
Intals S.p.A.
I.R.C.A. S.p.A. Industria Resistenze Corazzate e Affini
Kemin Nutrisurance S.r.l.
Kemira Italy S.p.A.
Kirchner Italia S.p.A.
Marchi Industriale S.p.A.
Master Builders Solutions Italia S.p.A.
Mater-Biopolymer Srl
Norditalia Resine S.r.l.
Novamont S.p.A.
Renco S.p.A.
San Benedetto S.p.A
Sapio Produzione Idrogeno Ossigeno S.r.l.
Selenis Italia S.p.A.
Suez Environnement S.A.
Maire Tecnimont S.p.A.
Valvitalia Systems Division S.p.A.

02 Life Science

Maire Tecnimont S.p.A.
Sicor S.r.l.
Teva Pharmaceutical Industries Ltd.
Wood Italia S.r.l.

03 Oil & Gas

ABB S.p.A.
Arkad ABB S.p.A.
Arkad S.p.A.

Enerproject S.r.l.
Eni Progetti S.p.A.
Eni S.p.A.
Eni Versalis S.p.A.
Hitachi S.p.A.
Kirchner Italia S.p.A.
KT - Kinetics Technology S.p.A.
Pietro Fiorentini S.p.A.
Renco S.p.A.
Rosetti Marino S.p.A.
Saipem S.p.A.
Saudi Aramco
Siad Macchine Impianti S.P.A.
Sicim S.p.A.
Snam S.p.A.
Thermo Engineering S.r.l.
Valvitalia Group S.p.A.
Venice LNG S.p.A.
Wood Italia S.r.l.

04 Buildings

3TI Progetti Italia S.p.A.
A2A Calore e Servizi S.r.l.
AcegasApsAmga Servizi Energetici S.p.A.
Actv S.p.A.
Anas S.p.A.
Apleona Group GmbH
Arexpo S.p.A.
Aria S.p.A.
Auchan S.p.A.
Autorità Portuale di Venezia
Azienda Sanitaria Locale di Biella
Azienda Socio Sanitaria Territoriale dei Sette Laghi – Polo Universitario
Azienda Socio Sanitaria Territoriale della Valle Olona
Azienda Socio Sanitaria Territoriale di Melegnano e Martesana
Azienda U.L.S.S. 4 Veneto Orientale
Bilfinger
Camera di Commercio Venezia
Città metropolitana di Venezia
CITTERIO-VIEL & PARTNERS
Comune di Venezia
COOPSERVICE SOC.COOP.P.A.
CPL CONCORDIA SOC. COOP.
Cpomune di Bergamo
Diesel S.p.A.
Enel Green Power S.p.A.
Enel S.p.A.
Enel X Italia S.p.A.
F&M Ingegneria S.p.A.
Fendi S.p.A.
Ferrovie dello Stato Italiane S.p.A.
Furla S.p.A.
Gemmo S.p.A.
Gestore dei Servizi Energetici – GSE S.p.A.
Gruppo San Donato
Hapimag AG
Human Technopole

Intesa Sanpaolo S.p.A.
IRCCS Ospedale San Raffaele
Ladurner Ambiente S.P.A.
Lidl S.p.A.
Lombardini 22 S.p.A.
Luxottica Group S.p.A.
Maffeis Engineering S.p.A.
Manutencoop S.c.
McArthurGlen Group
Milan Bergamo Airport · SACBO S.p.A.
One Works S.p.A.
Open Fiber S.p.A.
Ospedale Galliera S.C.
OSRAM Licht AG
Papalini S.p.A.
Piovan S.p.A.
Pool engineering S.r.l.
Prelios Integra S.p.A.
Provincia di Padova
Provincia di Treviso
Regione Lombardia
Regione Veneto
Roma Capitale Municipio II
Russott Hotel S.p.A.
Samsung Electronics Italia S.p.A.
Sapio Life S.r.l.
Save S.p.A.
Siram S.p.A.
UniCredit S.p.A.
Venice Airport - SAVE S.p.A.
Veritas S.p.A.

05 Infrastructures

A2A Ciclo Idrico S.p.A.
A2A Energia S.p.A.
A2A Energy Solutions s.r.l.
Acea S.p.A.
Aeronautica Militare - Ministero della Difesa
Aeroporto di Bologna S.p.A.
Aertre S.p.A.
Alperia green Future S.r.l.
Apleona Group GmbH
Apleona HSG S.p.A.
Arexpo S.p.A.
Autostrada Brescia Verona Vicenza Padova S.p.A.
Cefla S.C.
Fincantieri S.p.A.
Iren S.p.A.
LENDLEASE S.r.l.
MM S.p.A.
One Works S.p.A.
Open Fiber S.p.A.
Provincia di Vicenza
Repower Italia S.p.A.
Save S.p.A.
Siram S.p.A.
Thetis S.p.A.
TIM S.p.A.
Unareti S.P.A.

Venice Airport - SAVE S.p.A.
Veritas S.p.A.

06 Power Plants

A2A Energia S.p.A.
ABB IAEN Genova S.p.A.
ABB S.p.A.
AcegasApsAmga Servizi Energetici S.p.A.
Alperia S.p.A.
Ansaldo Energia S.p.A.
Atzwanger S.p.A.
Bilfinger
CPL CONCORDIA SOC. COOP.
E-DISTRIBUZIONE S.p.A.
EDISON S.p.A.
Enel Green Power S.p.A.
Enel Produzione S.p.A.
Eni Power S.p.A.
Ese Engineering Services For Energy S.r.l.
Fata - Part of Danieli Group S.p.A.
Fisia Impianti S.p.A.
Geko S.p.A.
General Electric S.p.A.
Gestore dei Servizi Energetici – GSE S.p.A.
Hera S.p.A.
JRC European Commission
Ladurner Ambiente S.P.A.
Paul Wurth Italia S.p.A.
Rina S.p.A.
S.T.E. Energy S.r.l.
Saipem S.p.A.
Sogin S.p.A.
Sorgenia S.p.A.
Veritas S.p.A.

07 Renewable Energies

AcegasApsAmga Servizi Energetici S.p.A.
Enel Green Power S.p.A.
Gestore dei Servizi Energetici – GSE S.p.A.
Atzwanger S.p.A.
Alperia S.p.A.
EDISON S.p.A.
Enel Produzione S.p.A.
Ese Engineering Services For Energy S.r.l.
Geko S.p.A.
General Electric S.p.A.
Hera S.p.A.
Paul Wurth Italia S.p.A.
Rina S.p.A.
Sogin S.p.A.
Sorgenia S.p.A.
Apleona Group GmbH
Siram S.p.A.
Acea S.p.A.
Cefla S.C.
Iren S.p.A.
Provincia di Vicenza

Eni Progetti S.p.A.
Comune di Venezia
Hapimag AG
Provincia di Padova
Comune di Genova
Comune di Treviso
Engie Servizi S.p.A.
Eni Rewind S.p.A.
Fresenius HemoCare Italia S.r.l.
Kineo Energy e Facility S.r.l
Politecnico di Milano

08 Energy Efficiency

AcegasApsAmga Servizi Energetici S.p.A.
Alperia green Future S.r.l.
Alperia S.p.A.
Apleona Group GmbH
Apleona HSG S.p.A.
Ater Venezia
Azienda Socio Sanitaria Territoriale dei Sette Laghi – Polo Universitario
Azienda Socio Sanitaria Territoriale di Melegnano e Martesana
Azienda Socio Sanitaria Territoriale di Monza
Città metropolitana di Venezia
Comune di Jesolo
Comune di Trieste
CPL CONCORDIA SOC. COOP.
Edison Facility Solutions S.p.A
EDISON S.p.A.
Enaip Veneto I.S.
Enel Sole S.r.l.
Enel X Italia S.p.A.
Engie Servizi S.p.A.
Gestore dei Servizi Energetici – GSE S.p.A.
Infrastrutture Lombarde S.p.A.
Iren S.p.A.
Lvmh S.p.A.
Michelin S.p.A.
Provincia di Padova
Radar S.r.l.
Rexpol S.r.l.
Samsung Electronics Italia S.p.A.
Siram S.p.A.

09 Management & Consulting

COMMISSIONE EUROPEA DIREZIONE GENERALE CENTRO COMUNE DI RICERCA - JRC ISPRA
Comune di Genova
Comune di Venezia
CPL CONCORDIA SOC. COOP.
EGEA S.p.A.
Energitalia S.r.l.
Fenice S.p.A.
Finso S.p.A.
Fisia Impianti S.p.A.
ICM S.p.A.
Proger S.p.A.





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