

2026 Edition



BUSINESS UNIT

**Chemicals &
Pharmaceuticals,
Life Science**



Life Science
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 (SA)
- Basel (CH)
- Munich (DE)

Quality Standards & Certifications

- Quality: **ISO 9001**
- Environment: **ISO 14001**
- Health and Safety: **ISO 45001**
- Energy: **ISO 50001**
- BIM: **UNI/PdR 74**
- Social Responsibility: **SA 8000**
- Information Security: **ISO/IEC 27001**
- 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

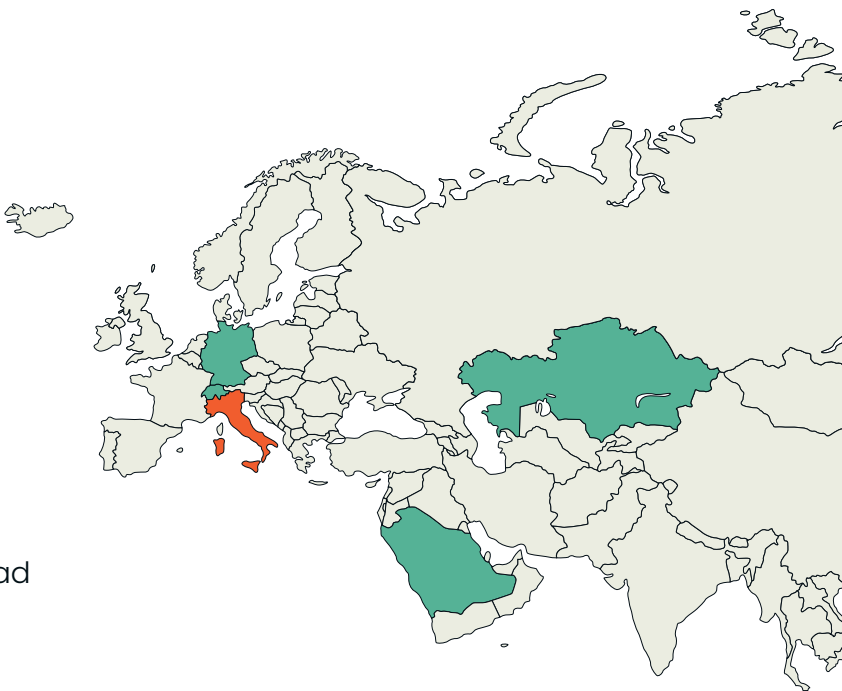
/ Key Data

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



WHAT WE DO

/ Always With Passion

We manage complex projects by leveraging multidisciplinary expertise, advanced methodologies and a highly skilled team

Our approach is defined by the adoption of BIM, a state-of-the-art tool that centralizes project information, enhances planning accuracy, minimizes errors and facilitates cross-disciplinary collaboration. This enables us to consistently deliver reliable and high-quality results.

Continuous training and professional development are fundamental to our success. We ensure that our team remains at the forefront of technological advancements, maintaining the ability to provide high-quality, future-ready solutions for our clients.



HOW WE DO IT

/ Our Process

At Seingim, we adopt a structured approach that integrates transparency, innovation and multidisciplinary expertise. With a proven methodology, we efficiently manage complex projects, ensuring quality and precision.

Our commitment to excellence is strengthened by a multidisciplinary team that combines technical expertise with continuous learning. We heavily invest in professional development, equipping our workforce with cutting-edge knowledge and tools to stay ahead in a rapidly evolving industry. This synergy of talent, technology and methodology allows us not only to meet expectations but to exceed them, fostering long-term partnerships with our clients.

**Excellence isn't just
our goal- it's the
standard we set for
every project we
undertake**



OUR EXPERTISE

/ 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

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



/ 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.



/ Our Technical Capabilities

- Technical Safety Engineering
- Process Engineering
- Piping & Layout Engineering
- Civil & Structural Engineering
- Electrical Engineering
- Static Equipment, Rotating Machines & Package Engineering
- HVAC Engineering
- Instrumentation, Automation & Telecommunications Engineering
- Energy Engineering
- Project Management & Consulting
- Environmental Permitting

LIFE SCIENCE

/ Our Value Proposition

SEINGIM Life Science aims to be the reference partner for its market that requires more and more services, solutions and technology to achieve the excellence of its complex and highly regulated processes. The trusted partner for Life Science operations, from Strategy to Execution, leveraging Innovation, ensuring GxP Compliance, and driving Business Competitiveness and Sustainability to sustain Opex.

Strategy

- Site Business Plan
- Site Master Planning
- Feasibility & Conceptual Design
- Due Diligence
- Compliance Risk Assessment & Improvement Plan
- EHS Assessment & Remediation Plan
- Business Continuity Management



Execution EPCMV

- Basic Design
- Permitting
- Detail Design
- RfQ & Bids Evaluation
- Construction Management
- Site Supervision
- Design and Construction Safety
- Vendors Expediting
- Commissioning
- Validation Plans
- Qualification (DQ, IQ, OQ, PQ)
- CSV
- Data Integrity



Sustain Opex

- Operational Excellence
- Energy Assessment & Efficiency
- Predictive Maintenance
- Survey Services
- Digital Twin
- Virtual Tour / Virtual Reality
- Technical Knowledge Management
- Training



SEINGIM Life Science combines advanced expertise and innovative solutions, providing comprehensive and highly qualified support to optimize complex processes and ensure the highest level of compliance and competitiveness in the sector.



Building on this expertise, SEINGIM Life Science leverages cutting-edge technologies like Digital Twins for Plants to further enhance operational efficiency, predict performance, and optimize processes in real time.



PHARMACEUTICAL PLANTS



High-performance engineering solutions to ensure efficiency, regulatory compliance and sustainability across pharmaceutical, biotechnology, cosmetics and food industries.

Seingim stands out in the Life Science sector by combining engineering excellence with a deep commitment to regulatory compliance and operational efficiency. With over two decades

of experience, we provide tailored solutions that integrate energy efficiency, sustainability and digital transformation, ensuring that each project aligns with the highest cGXP standards.

Our services



Strategic Consulting & Compliance

Site master planning, compliance risk assessments, GMP and quality reviews, feasibility studies and conceptual design to ensure full regulatory readiness.



EPCM Services (Engineering, Procurement & Construction Management)

Comprehensive project execution, including basic and detailed design, procurement and contract management, construction oversight and permitting support.



Commissioning & Qualification (C&Q)

Validation and qualification planning, data integrity assurance, computerized system validation (CSV) and on-site testing to meet strict industry requirements.



Operational Excellence & Advanced Technologies

Energy assessments, Digital Twin, Virtual Tours / Augmented Reality, technical knowledge management, predictive maintenance.

Our Project

Optimization of Venting System for Enhanced Safety and Performance

Seingim conducted a feasibility study to mitigate risks of cross-contamination and pressure surges in the venting system of an API manufacturing site. Through network modeling, we identified bottlenecks, verified the hold-up capacity of the compensation buffer, and analyzed multiple optimization strategies. The most effective solution was selected and further developed through detail design, ensuring seamless integration, regulatory compliance, and improved system reliability.



Location	Italy
Year	2024 – On going
Service	Assessment, feasibility study, detail design
App. field	Active Pharmaceutical Ingredient (API) Production
Manhours	4.000

DIGITAL TWIN FOR PLANTS

Seingim develops Digital Twin solutions to enhance the design, management and operational phases of industrial plants. By integrating Building Information Modeling (BIM) and real-time data visualization, we create a comprehensive digital environment that improves accessibility, optimizes workflows and enables predictive maintenance. Our approach ensures seamless coordination between design, construction and operation, enhancing efficiency and sustainability.

BIM for project optimization

We develop 3D digital models, integrate 4D time-based construction planning, apply 5D cost control and manage 6D asset documentation to streamline the plant lifecycle.



Virtual and Augmented Reality

We replace traditional 2D documentation with interactive virtual tours and BIM-driven walkthroughs, helping teams anticipate and resolve construction and operational issues.



Smart asset management, predictive maintenance

We provide digital documentation access, remote inspections, VR-based training and smart glasses for real-time support, ensuring operational efficiency and proactive maintenance.



/ Key Project

Location	Milan
Year	2024 - Ongoing
Service	Virtual Training for Sterile Environments
App. Field	Pharmaceutical Industry
Tasks	Virtual Tour, Virtual Training



The Client required the rapid onboarding of a large number of new operators to perform tasks in a sterile environment. The proposed and developed solution was the implementation of a virtual training environment to enhance the efficiency and standardization of operator training.

The project encompassed the following steps:

- Virtualization of an asepsis filling line and implementation of a virtual tour;
- Identification and drafting of training guidelines for sterile environments, in collaboration with the Quality Department;
- Creation of a navigable augmented reality environment for delivering training through interactive buttons, visual step-by-step procedures, animations and learning assessments.

**The future of life sciences
demands strategic decisions
to drive innovation and
progress.**

**Seingim is the trusted
technical partner to turn these
advancements into reality.**



Seingim Sales

/ Sales Office

sales@seingim.it

seingim



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**DESIGNING
CHANGE,
BUILDING
THE FUTURE.**

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