

2026 Edition



## **BUSINESS UNIT**

# Energy & Smart Solutions



**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 9001:2015**
- 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

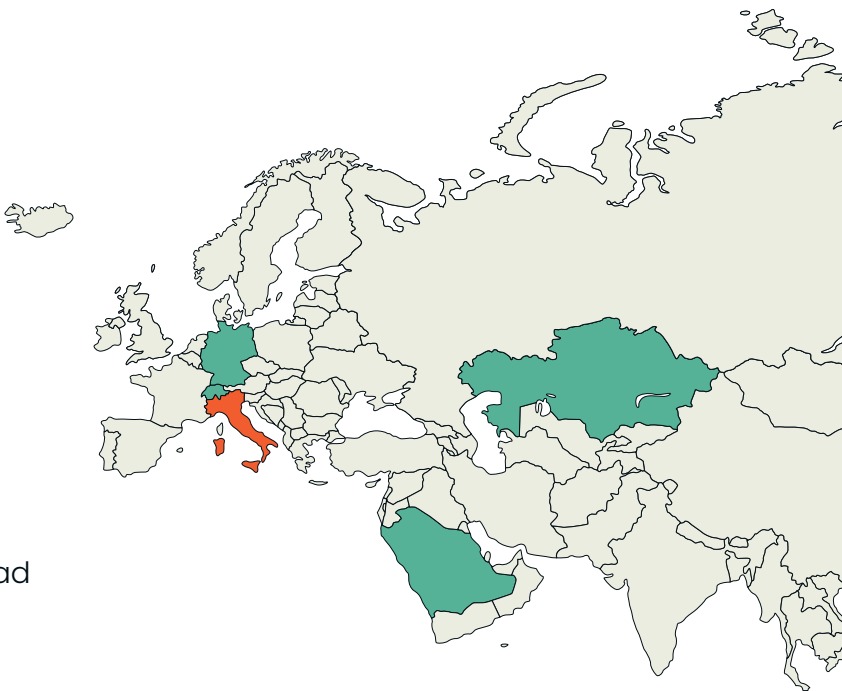
/ Key Data

**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



# 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 provide our team with opportunities for training to stay at the forefront of technological advancements, in order to develop new skills that ensure the delivery of high-quality solutions and maintain a high design standard, recognized by our clients.



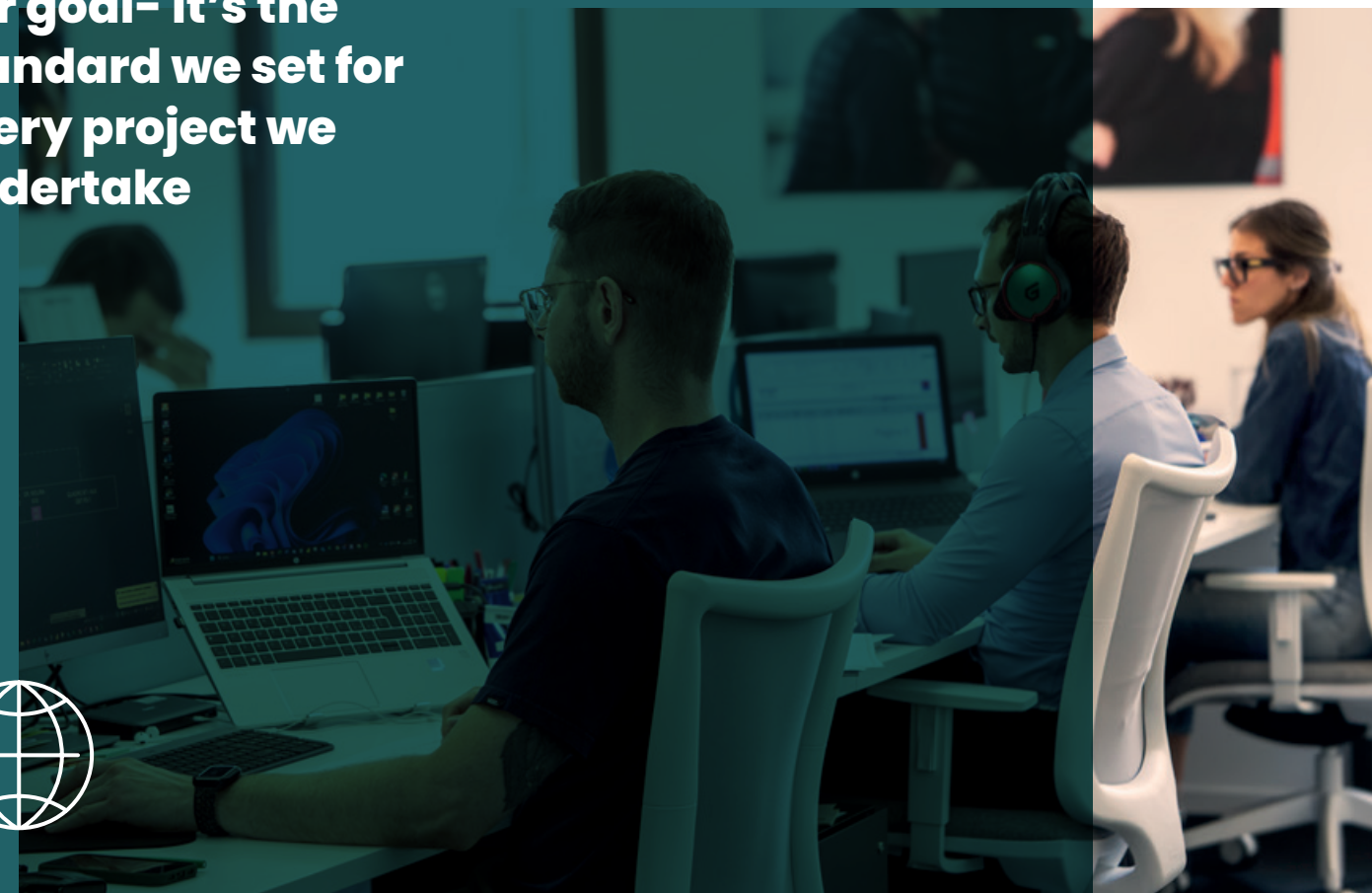
# HOW WE DO IT

/ Our Process

At Seingim, we adopt a structured approach that integrates transparency, innovation, and multidisciplinary expertise. Our team operates synergistically with functional methodologies and combined skills, efficiently managing complex projects while 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.

- Management & Consulting
- Audits & Survey Services
- Energy Efficiency
- Smart Solutions
- Smart Manufacturing
- Energy Transition
- Renewable Energies
- Environmental Permitting
- Life Science
- Water & Transport Infrastructure
- Infrastructure
- Buildings
- Power Plants
- Chemical & Petrochemical
- Oil & Gas
- Telecommunications

**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

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

# SOLUTIONS FOR TWIN TRANSITIONS

/ Innovation, Engineering and Project Management for Energy & Digital Transitions in Smart Building & Smart Cities

# Innovation, Engineering, Project Management



**With extensive experience and a highly specialized team, we tackle the most complex challenges in the field of energy and digital renovation projects for buildings and urban infrastructures, developing innovative and sustainable projects.**

Seingim combines cutting-edge technology, deep industry knowledge, and a strong commitment to sustainability to deliver high-value engineering solutions. At Seingim, we turn the vision of a greener and connected world into reality. We conceptualize, design, and engineer utility-scale power and thermal energy generation plants from renewable sources. We renovate buildings and infrastructures, making them smart and showcasing the performance of the systems to enable resource efficiency interventions, ensuring true sustainability.

**Every project we develop integrates seamlessly across multiple domains:**

- Environmental and Regulatory: Through in-depth permit analysis, compliance studies, and precise environmental impact assessments.
- Technical: From feasibility studies to detailed executive designs, incorporating innovative products and materials for optimal efficiency.
- Infrastructure: Adhering to national and international grid transport and dispatching requirements.

## Twin Transition Energy & Digital

### A Seamless Journey: From Concept to Operation

Seingim provides comprehensive technical expertise across the entire energy project lifecycle from site selection, energy demand assessment and land analysis to the final detailed engineering and commissioning of a fully operational power plant. Our multidisciplinary approach ensures that every project whether in renewable energy, infrastructure modernization, or smart mobility meets the highest standards of efficiency and innovation.

By integrating digitalization with energy optimization, we help clients transition toward a future of reduced carbon footprints, enhanced operational resilience and smart resource utilization.

# INTEGRATED DESIGN APPROACH

/ Solutions for Energy Transition and Smart Management



**Seingim combines advanced technology and deep expertise to deliver engineering solutions in the fields of energy and sustainability, with the goal of building a greener world.**

Our design methodology relies on a multidisciplinary approach that spans the entire energy transition value chain—from preliminary analysis to final implementation.

Our competencies allow us to tackle complex challenges in renewable energy, smart grids, and urban digitalization.



## Engineering consulting for subsidized financing

Technical support for planning and optimizing investments related to energy efficiency and decarbonization. Development of medium- and long-term master plans to ensure that assets remain aligned with technological progress.



## Energy Management and Certifications

Deployment of energy monitoring systems for buildings, industrial plants, and urban infrastructure. Dynamic energy diagnostics and long-term optimization strategies. Support in achieving energy-related certifications



## Energy Analysis and Auditing

Comprehensive energy audits to identify inefficiencies and propose targeted solutions to reduce operational costs and environmental impact. Rapid assessment of energy baselines to activate performance improvement pathways.



## Engineering and Design

Design of energy production systems and modern infrastructure, including waste heat recovery and industrial process optimization. Development of decarbonization masterplans and renewable energy projects.



## Digital and Smart Solutions

Implementation of digital models for managing and optimizing energy and operational resources. Smart solutions for developing sustainable cities, integrating connectivity and data systems to enable continuous monitoring and informed decision-making.

### Our Commitment to Innovation and Sustainability Includes:

- Promoting carbon-reduction technologies and raising awareness among businesses about the benefits of digital transformation.
- Ensuring that our projects meet current needs while remaining sustainable over the long term.

# ENERGY EFFICIENCY

## / Innovative Solutions to enhance Energy Performance

Energy efficiency is a key factor in reducing energy consumption, cutting operational costs and ensuring compliance with sustainability regulations. Through advanced engineering solutions, Seingim helps industries, businesses and infrastructure operators optimize energy performance while minimizing environmental impact.

### Industrial and civil energy audits

We conduct in-depth energy consumption analyses to detect inefficiencies, eliminate waste and propose targeted solutions aimed at reducing energy impact and operational costs.



### Advanced Energy Regeneration

We develop multidisciplinary energy retrofit solutions for complex buildings, integrating technological and plant-engineering systems to improve overall energy performance, reduce consumption, and enhance the value of existing building assets.



### Smart energy management

We implement tailored energy optimization strategies for buildings and industrial infrastructures, leveraging smart energy management solutions to minimize consumption and enhance sustainability.



**We offer integrated support solutions with a dedicated team of over 50 professionals, focusing on reducing environmental impact and improving energy performance.**

With a large team of dedicated professionals including engineers, architects, and certified technicians, we offer comprehensive and exclusive support solutions, managing each project phase from concept to detailed design with an integrated perspective.

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



### Our Services

- Energy Master plan
- Energy Management Consulting
- Feasibility studies
- Preliminary, definitive, and executive designs
- Project and Program Management
- Energy Performance Certificate
- Procurement & Construction support
- Data Entry & Permitting Management
- Consulting and Design for NZEB certification
- SRI (Smart Readiness Indicator) Implementation



### Our Expertise

- Energy process analysis
- Energy engineering
- Machinery engineering
- Heat engineering and HVAC engineering
- Instrumentation, automation & control, and telecommunications engineering
- Electrical engineering
- HSE engineering
- CFD studies

# SMART SOLUTIONS



The concept of smart urban development aims to create sustainable, adaptive cities through connected networks. Focusing on human-centric design, it adapts urban and building environments to the dynamic needs of occupants, enhancing quality of life. At the same time, it emphasizes environmental priorities by promoting energy efficiency, renewable energy

adoption, and ambitious CO<sub>2</sub> standards.

The interconnectivity enabled by smart networks supports continuous monitoring and reporting of service usage. This data-driven approach empowers stakeholders to make informed decisions, marking a paradigm shift toward responsive, adaptive, and environmentally conscious cities and buildings.



## Our Services

- Energy & Digital Strategy Development
- Preliminary, Detailed, and Executive Design
- Project and Program Management
- Dynamic and Static Energy Analysis
- Building Information Modeling (BIM)
- Techno-Economic Investment Planning
- Digital Twin & IoT Solutions
- Smart Readiness Indicator (SRI)
- Digital Building Logbooks (DBL)
- Energy Services Management

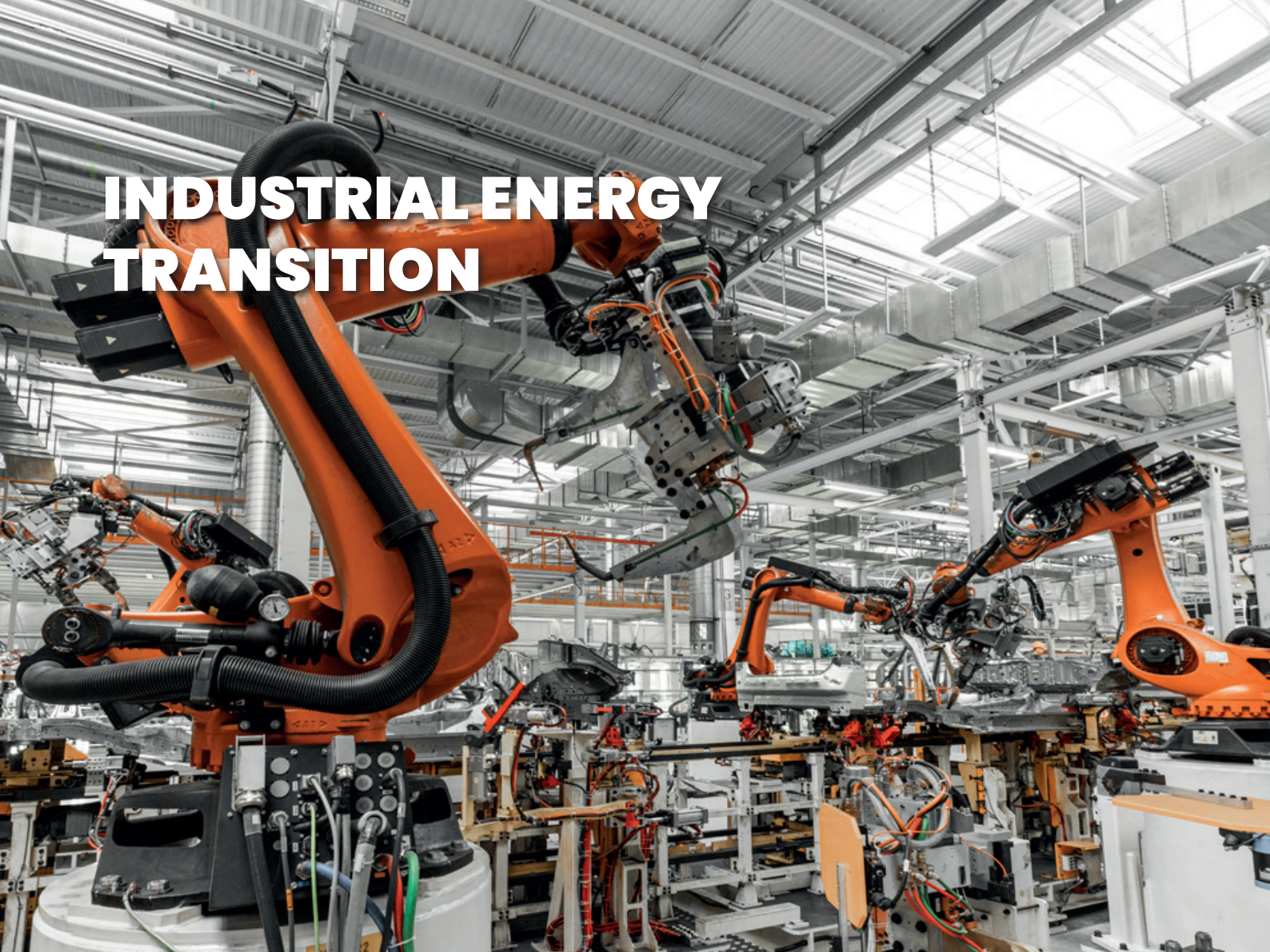


## Our Expertise

- Smart Monitoring Process Development
- Energy Engineering
- Thermal and HVAC Engineering
- Instrumentation, Automation and Control Engineering
- Electrical Engineering
- CFD (Computational Fluid Dynamics) Studies

# Expertise





# INDUSTRIAL ENERGY TRANSITION

The industrial sector is undergoing a profound transformation, where energy management is no longer a simple cost variable but a strategic lever for competitiveness, resilience, and operational continuity.

Addressing energy challenges in a structured way means rethinking processes, plants, and infrastructures through an integrated vision based on measurability, control, and continuous performance improvement.

In this context, Seingim supports industrial companies in developing energy

and digital transformation pathways grounded in data analysis, continuous monitoring of consumption, and objective assessment of energy performance.

This approach enables businesses to build more efficient, robust, and adaptable operating models—capable of evolving over time and generating long-term value.

Energy transition thus becomes not only a response to external targets, but a conscious journey of industrial growth, driven by data and oriented toward continuous performance improvement.



## Our Services

- Energy Management
- Decarbonization Masterplans
- Technical support for incentives and grants
- Design of Plants and Infrastructure
- Energy Efficiency Solutions
- Renewable Energy
- Smart Energy Management Systems
- ESG Advisory Services
- Project and Program Management
- Energy Services Management
- Energy Performance Certificate (EPC)
- Data Entry & Permitting Management



## Our Expertise

- Smart Monitoring Process Development
- Energy Engineering
- Machinery and Static Equipment Engineering
- Thermal and HVAC Engineering
- Instrumentation, Automation and Control Engineering
- Electrical Engineering
- CFD (Computational Fluid Dynamics) Analysis



# KNOW-HOW

/ We create smart solutions for a more connected and sustainable life

Smart,  
Connected,  
Sustainable



## Energy & Smart Solutions



- Energy Retrofit of Buildings
- Energy Efficiency Projects for Plants and Infrastructure
- Energy Performance Optimization for Public Lighting
- Design of NZEB (Nearly Zero Energy Buildings)



- Decarbonization Masterplans Grant and Funding
- Management for Energy Efficiency and Decarbonization
- Energy Management Services
- Energy Efficiency Services



- Digitalization of Real Estate Assets
- Smart Infrastructure Solutions for Buildings, Industry, and Cities
- Data Management solutions for building, city, and industry monitoring
- As-a-Service management for outsourced energy management



**Seingim is the strategic partner for the energy transition and the development of smart solutions.**

**By creating an integrated value chain that fosters synergies between technology, the environment, and communities, we move toward a sustainable and digital future.**



**seingim**

**Seingim Sales**

/ Sales Office

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CHANGE,  
BUILDING  
THE FUTURE.**

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