

Artelia in Italy

Designing solutions
for a positive life




ARTELIA



WELCOME TO ARTELIA ITALIA

Artelia is a world-class **International Group**, a leader in **integrated engineering, project management and consulting**.

It specializes in the fields of construction, infrastructure, hydraulics, industry and the environment, and it is active in a number of markets including: building & industry, multi-site programs, energy and sustainability, maritime engineering, transportation logistics and urban development.

It offers services to private customers (industrial groups, developers, investors, construction companies, banks, insurance companies, etc.) as well as public ones such as

institutions, local authorities, public and supranational organisations.

It is structured to conduct efficient project management by way of sophisticated and technically advanced solutions, with a multidisciplinary and global approach which is customized at the local level. The Group is committed to a continuous research and innovation policy and implements ambitious policies related to Sustainable Development, Ethics and Corporate Social Responsibility.

Working in Artelia Italia means being part of a group of engineers, architects and technical specialists who are connected, enthusiastic and ready for the challenges posed by our Customers' ambitious projects.

It means making every day a unique and unrepeatable life-enriching experience. At any given moment, our teams are working on hundreds of projects and construction sites of different nature throughout Italy and in many countries around the world. In addition, as a branch of a large international group, we have the opportunity to compare **experiences, cultures, methods and technologies** with colleagues from over 40 countries, enriching each other in the process.

We are very proud of the continuous growth that has characterized us for years and continues to fuel our human and professional heritage. A heritage that we believe to be the most important added value for our Customers.

Your projects are our projects.
That's why we firmly believe we are your ideal technical partner.

Gabriele Scicolone
CEO - Artelia Italia S.p.A.





ARTELIA GROUP

An international network

Artelia has a worldwide network of over 100 locations in more than 40 countries. In later years, the consolidated turnover of the Group amounted to one billion euros, with around 10,000 employees. 100% of the Group's capital is held by managers and employees. A multi-sectoral, flexible, multicultural Group that perfectly meets to the needs of all private and institutional clients.

Mobility · Water · Energy · Buildings · Industry

IN EUROPE AND THE WORLD

The Group has a strong European and international vocation. It boasts a "cross country" experience over the last decade, thanks to the management of multi-site and multi-country projects for multinational customers. The activity in steady growth not only in Europe but also in the Middle East, Asia, Africa and America. The Group consolidates today its foothold in Europe where **it ranks among the Top 10 construction engineering companies**. Furthermore, in 2006, the **Fondation Artelia** was founded, to promote social and economic initiatives dedicated to environmental preservation.



100%
OF THE CAPITAL
HELD BY MANAGERS
AND EMPLOYEES

~10,000
GLOBAL EMPLOYEES
AND COLLABORATORS

~986MLN
GLOBAL
TURNOVER

ARTELIA IN ITALY

Artelia Italia, founded in 2001, is one of the most important companies in the Group in terms of the breadth of services offered, turnover and number of staff.

In our country we have gained a leading position in **Project Management** and in **engineering** in the **retail** and **multi-site** sectors. Our activities are mainly focused on the private sector, where we operate as a technical partner of many multinational companies, optimising their investments in property assets. However, we also provide our services in the public sector with an ever-growing presence.

We currently rank among the top integrated design and project management companies in Italy, with an annual turnover of about 70 million euro and a total workforce of over 700 people operating in the Rome, Milan, Bari, Florence, Pescara and Catania offices, including Italian and foreign prestigious names among our customers.

Today our business areas in Italy are manifold: we operate successfully in the Retail Multisite, Building & Industry, Energy & Environmental Sustainability, Transport, Urban Development and Infrastructure sectors, paying particular attention to issues such as Environmental Sustainability, Ecological Transition and Digital.



6
OFFICES: ROMA - MILANO
- BARI - FIRENZE -
PESCARA - CATANIA

700
EMPLOYEES AND
COLLABORATORS
IN ITALY

70M
TURNOVER
IN ITALY

EXCELLENCE

SIMPLICITY

SHARING

INDEPENDENCE

PASSION

Five values that bear witness to our history, reflect our identity and guide our future. Five values that identify our individual behaviour in the workplace, promote authentic relationships, stimulate our collective performance and give meaning to our contribution to urban life and society. Five values that instil new life and movement in our business purpose:

DESIGNING SOLUTIONS FOR A POSITIVE LIFE

Our mission is to **imagine, design and develop projects** that are increasingly efficient, harmonious and sustainable. Our passion leads us to put knowledge, competence and multi-disciplinarity at the service of our customers to build solutions with concrete added value together. We have developed a highly professional organisation that is capable of embracing the entire life cycle of the project, from the initial concept to construction, operating rigorously but with the necessary flexibility to fully respond to customer needs. Compliance with deadlines, careful cost management, design quality, constant support and a wide range of customer services are the elements that characterise our winning model.



ASSOCIATIONS & QUALIFICATIONS



CERTIFICATIONS



OUR ADDED VALUE

- MANAGEMENT OF COMPLEX PROJECTS
- MANAGEMENT OF WIDESPREAD PROJECTS
- INTEGRATED AND MULTIDISCIPLINARY DESIGN
- ATTENTION TO TIMING, COSTS AND CUSTOMER NEEDS
- RELIABILITY IN THE PROVISION OF SERVICES
- INTEGRATION OF PROJECT MANAGEMENT AND DESIGN SERVICES
- CUSTOMER SUPPORT
- PROGRAMME MANAGEMENT
- WIDE RANGE OF SERVICES

MANAGING AN INTEGRATED SMART SYSTEM

Our projects are run with the utmost care for our client's goal, with professionalism and purpose, applying proven and consolidated methods but without hindering our operating managers' creativity.

SMART is our integrated management system, consisting of all the procedures and methods we implement to achieve the goals defined by our management commitments.

An international standards certified system based on continuous improvement as well as customer and stakeholders satisfaction.





OUR PEOPLE

We strive to ensure that every employee develops their potential in a peaceful work environment and in the pursuit of mutual respect, in order to feel proud and valued as an individual.

We recruit new talents through specific international integration and development programs, so as to enhance the capabilities and skills of our next generation of experts.

We offer in-depth training and support in multidisciplinary mode. We prepare our people for a wide range of international opportu-

nities available within the Group. We create “teams” that are integrated with customer structures, and make the client’s technical problems our own in order to solve them in the most effective and safe way. Our managers and project leaders guide their teams according to structured methods that highlight the Groups’ characteristics through the performance and attitudes of individuals.



ENERGY & ENVIRONMENTAL SUSTAINABILITY

Our commitment to energy efficiency and the environment

Environmental sustainability and energy efficiency represent a fundamental challenge for the future and Artelia Italia is firmly committed to this mission, with actions aimed at improving the environment from an economic, social and natural point of view. The aim is to create places that are ecologically responsible, healthy, fair and profitable.

Constructive processes account for a large proportion of all greenhouse gas emissions. We aim to transform the way buildings are designed, built and managed, helping to create an environment that is ecologically and socially responsible, healthy and aimed at improving the quality of life.

The achievement of Environmental Certifications, such as LEED (Leadership in Energy and Environmental Design), BREEAM (Building Research Establishment Environmental Assessment Method) and WELL is possible through an integrated design process, which identifies overlapping relationships, services and redundancies between systems so that

interdependencies and benefits, which would otherwise have gone unnoticed, can be exploited to the fullest, thus increasing performance and reducing costs. Our LEED AP, BREEAM AP, WELL AP, energy modelling teams and Commissioning authority are made up of specialised professionals who work in synergy with the design and construction teams in order to create healthy, high-performance and energy-efficient buildings with a sustainable approach, following the entire process from the very first phase of the concept until certification is obtained. High-performance buildings are designed and built to minimise resource consumption, reduce lifecycle costs, maximise health and productivity for building occupants and improve environmental performance. This translates into a rational use of resources such as energy, materials and water, high energy performance, careful study of comfort both inside and outside, connectivity and innovation. Dynamic energy simulation becomes a fundamental tool for energy

efficiency, aimed at modelling the building system with the correct boundary conditions and its real behaviour. This tool becomes fundamental in the design of buildings, directing the choices towards obtaining higher performances, allowing a correct quantification of consumption and the identification of optimisation strategies that lead to savings and returns on investment.

In the case of building management, it allows, together with the monitoring of consumption, to keep the property monitored, analysing possible malfunctions and allowing the latter to be corrected in a specific and immediate way, adopting the most appropriate solution in terms of cost-effectiveness.

These energy analyses are supported by further climate, daylight and thermal comfort analyses that allow for a better description of the performance of the building-plant.

Another fundamental activity aimed at guaranteeing the performance of the building-plant system is the Commissioning, project management and supervision process to verify and document that the performance of the building meets the requirements of the Client. It concerns the activities of concept development, design, construction, start-up, testing and operation. Thanks to our interdisciplinarity, we match the needs of the

Customer with those of the project, in order to achieve the common goal as efficiently as possible, thanks to constant exchange with all the members of the team.

ESG

To meet the growing global challenges, Artelia Italia is developing a new ESG Analysis service. This service responds to new market demands on evaluations of the degree of reliability of a company in terms of sustainability.

This evaluation takes place through the analysis of the Environmental, Social, Governance (ESG) aspects that constitute the core of the Social Responsibility of an organisation (CSR), and is possible thanks to the union of corporate skills in the application of new strategies of corporate social responsibility and sustainable management. In fact, Artelia Italia adopts the CSR to improve the social context in which it operates and meet the expectations of its customers, operating in an innovative, inclusive system, which at the same time creates more favourable conditions for the Company's business.



ARTELIA, A GROUNDBREAKING GROUP

MARKET KNOWLEDGE THROUGH RESEARCH AND DEVELOPMENT

We devote considerable efforts to research, development and innovation both in-house and through collaborations with external Partners. We work in all areas of construction, through **Centers of Excellence and Innovation** that pour experience and knowledge into projects with a focus on detail, creativity and a goal-oriented approach. We invest more than 3% of the Group's total value in **research and development**. A com-

mitment that keeps us up-to-date on the evolution of the markets we work on, continually improving the efficiency of our methods and the quality of the solutions we offer to our customers, optimizing the cost of our services. We have created a highly professional multidisciplinary organisation that can handle the entire asset life cycle as to be totally flexible and responsive to your needs.

INNOVATION

- **Innovation for us is a common good.**

Each employee is encouraged to come up with their own ideas, cooperating with local R&D contacts.

- **Innovation for us is a shared asset.**

The Artelia (CORDIA) Research and Development Innovation Committee manages strategic and interdisciplinary issues, drawing on its in-depth knowledge of the sectoral context.

- **Innovation for us is organisation.**

The Artelia Global Scientific Network (AGSN) brings together our 70 leading experts with the aim of better addressing the challenges that our scientific projects offer us.

Among the different types of services that can be carried out through the use of DRONES:

- Reporting and monitoring of work progress
- Inspections of the works
- Detailed video-photographic surveys and inspections of architectural structures
- Diagnostics (roofs, façades, insulation)
- Termography of the building envelope
- Photogrammetry and 3D modeling
- Topographic surveys
- Video-photographic photomontages

DIGITAL INNOVATION & BIM

We implement the adoption of digital transformation, integrating digital technology in all areas of the company, which contributes to making value engineering more efficient.

This is enabled by continuous research and development, the use of proven procedures and a team of over 40 people, certified according to UNI 11337-7:2018 and UNI/PdR 78:2020 EXPERT IN BUILDING INFORMATION MODELLING, including BIM Manager, CDE Manager, BIM Coordinator, BIM Specialist. We have consolidated experience in the BIM field for over a decade, already adopting, among others, the international process standards BS/PAS 1192, some of which are included in UNI EN ISO 19650, with software dedicated to the development of design data, coordination and BIM Validation procedures. Artelia Italia BIM management system was assessed and found to comply with the requirements according to UNI PdR 74:0219, a certification that has additional relevance as it is in accordance with ISO 9001 and the Artelia Group's quality procedures. The field of application is identified in the integrated, structural, plant engineering and architectural design of civil, industrial and infrastructural works.

Within Digital Innovation, BIM is an extremely important factor for the effectiveness of the collaboration between the design disciplines and the different phases of the work, from the design, implementation and management of the same.

The Artelia team develops and manages digital information models of buildings and infrastructural works, which possess all the information, geometric and informative, provided at the correct level of detail necessary for the design phase, to develop analysis, integrated design and better manage the complexities of construction and subsequent management and maintenance.

We are able to identify problems of feasibility, costs, planning and coordination in a timely manner. This allows us to improve the planning and execution of projects in the field. Digital Innovation and BIM are constantly evolving concepts.

The factors on which Artelia Italia bases a conscious and secure adoption of this process in its projects are Professionals, close-knit Teams, hardware resources and cloud/software platforms.

In the Virtual Reality context, Artelia has used this technology to present the projects for the renewal of the image of the network of dealers of a well-known car manufacturer in Europe. Virtual tours and augmented reality have allowed us to offer end customers a tangible experience of the planned transformations, offering them the opportunity to choose the furnishings interactively.

WIZART

Artelia Italia, con la stretta collaborazione della divisione ADS Artelia Digital Solutions, composta da 120 persone, sviluppa, integra e supporta i clienti con tecnologie rispettanti i dati come asset e pertanto discipline come la Cyber security, Blockchain, Piattaforme Project Management, Digital twin, IoT.

Proteggere, accelerare, trasformare: questo è ciò che WizArt, la nostra piattaforma digitale di project management, soluzione scalabile e di facile utilizzo. WizArt è un mondo digitale immersivo che collega tutte le fasi del ciclo di vita degli asset. Con WizArt, è possibile accedere ai dati da molteplici fonti e dispositivi, quindi gestire i progetti. Hosted in un cloud europeo sicuro, questo portale modulare e di facile utilizzo è un'interfaccia digitale del progetto che consente ai clienti di accedere in qualsiasi momento gestire i propri asset, quali i dati e i relativi risultati (dashboard, modelli BIM, mappature, report, ecc.).



BUSINESS AREAS IN ITALY

Our projects fall into four specific areas:



Buildings & Industry



Transportation & Urban Development



Energy & Environmental Sustainability



Multisite/Retail



Industry

SERVICES

- Integrated Design and Engineering
- Project and Construction Management
- Audit, consulting, due diligence
- Facility and Asset Management
- Turn-Key Contract EPC / EPCM
- Energy services



OUR ROADMAPS



Healthcare

Hospitality

Industry & Logistics

Urban Regeneration

Energy & Sustainability

Infrastructures

Data Centers



BUILDINGS & INDUSTRY

Leading in expertise and experience in the construction and industrial sectors

In the private sector, as in the public sector, we have consolidated our expertise in BUILDING and VALORIZING structures to be renovated or reconditioned for new uses. We carry out projects in various sectors of real estate: offices, residential, tourist-hotel, shopping malls, industrial plants, historic buildings and hospitals. We apply methods that we have perfected in years of experience by adjusting them according to the specificity of individual projects. We help our customers to renew their properties and to optimize their management, as well as mapping essential profitability processes to maximize the real estate portfolio performance.

HEALTHCARE

We provide our skills and experience to support our customers in the implementation of customised solutions for health projects, through development operations of any nature and type: from green field projects, to restructuring or re-functionalisation of entire departments up to more targeted adaptation or efficiency interventions.



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HOSPITALITY

In the tourism-hotel sector, ARTELLIA Hospitality is our Centre of Excellence and Innovation that offers hotel customers and investors tailor-made services to assist them in the development and enhancement of their property assets.

MULTISITE/ RETAIL

From Project Management to Facility Management

Managing hundreds of multi-site projects in Italy and around the world and always maintaining levels of excellence is a challenge we face every day.

We assist clients in strategy, design, execution, and operational phases by simultaneously managing re-branding and site re-styling projects, implementing new forms or concepts, restructuring and site rebuilding projects, and project implementation. We had the privilege of working in the implementation of new concepts for the most important multinationals in the world.

ENERGY FOR MOBILITY

In terms of energy sources for mobility, we have a Centre of Excellence and Innovation that is developing innovative concepts of the service stations of the future, integrating new sources of propulsion such as hydrogen with new technologies and solutions, lifestyles and means of transport, with great attention to environmental aspects.



ENERGY

We operate in the energy efficiency sector with a team of EGE certified engineers in accordance with UNI CEI 11339:2009.

ENERGY TRANSITION

Our mission is to accompany the Customer on a virtuous path that begins with the energy audit and continues with energy efficiency interventions and the monitoring and certification of results through energy management. We have extensive experience in the implementation of civil and industrial audits, design of Building Management Systems and consumption monitoring systems, support in ISO 50001 certification, energy management services, requests for Energy Efficiency Certificates, recognition of High Performance Cogeneration and access to state incentives and forms of financial benefits through Public Tenders. We manufacture systems with General Contractor and EPC formulas, including photovoltaic and co/tri-generation systems, revamping of thermal power plants, charging stations for electric vehicles and efficient lighting systems.

ALTERNATIVE ENERGIES

Thanks to our commitment to renewable energy production and improved energy efficiency, we are contributing to the transition to sustainable growth.

The energy change needed for "green" growth aims at building a more resource-conscious society that is less dependent on fossil fuels and nuclear power.



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ENERGY EFFICIENCY

We promote the rational use of energy by combating waste and reducing the carbon footprint of our customers' activities. Energy saving is synonymous with the reduction of greenhouse gas emissions, greater competitiveness, optimisation of processes and continuous improvement: it is an objective that must be achieved, without limitations.

Our goal is to transform the way buildings and industrial plants are designed, built and managed, allowing for an environment that is ecologically and socially responsible, healthy and aimed at improving the quality of life



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TURN-KEY

Space Management

We respond to the new challenges of the existing property assets with an offer of customised solutions for the renovation of your buildings. We focus on the different players in the private tertiary property sector: Tenants or Owners, Asset Management Companies or Investors, Asset or Property Management. We have the experience and expertise to carefully assess the needs of our customers, provide solutions that are suitable for them, solve problems as they arise and help them build their offices to meet all business requirements.



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INDUSTRY & LOGISTICS

INDUSTRY

In a context that pursues the constant innovation and modernisation of existing infrastructures and processes, we support our customers in Italy and the rest of the world by offering them comprehensive solutions, drawing on our extensive experience in the management of every stage of the project, from design to commissioning. By actively collaborating with our customers, we are able to work on projects of all types and sizes, and we adapt to them with ease. Our team of engineers and technicians includes the full range of skills related to the design and supervision of the works.

LOGISTICS

We offer a wide range of services for the implementation of logistics and industry projects, from preliminary studies to project development, project management, construction management, up to delivery and commissioning.

The logistics sector is now facing a new challenge, in which new technologies, new customer expectations, new markets and business models require the flexibility and ability to constantly innovate.



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TRANSPORTATION AND URBAN DEVELOPMENT

Experience in systems and infrastructures for all modes of transportation

Experience in systems and infrastructures for all modes of transportation. Transportation networks are based on a structured network of processes; they concurrently compete with one another and complement each other. Today, these complex infrastructures need to be tailored to meet the growing need for flexibility, speed, security, environmental impact reduction without neglecting the strict control of investment and operating costs. To overcome these challenges, we make our ten-year experience available: both in maritime transportation and waterways and in the field of roads and railways. Artelia is one of the leading engineering companies in the world and offers advanced technical and economic solutions. In this way, we can respect

the specific constraints and goals of each network and successfully manage the structural issues of the inter-connection between different transportation networks.

We design the cities of the future

Sustainable, resilient, attractive, efficient, socially responsible, digital, giving preference to public transportation and soft mobility and incorporating the principles of the circular economy: Tomorrow's city aims to achieve all of these goals. Our challenge is to propose innovative practical solutions to achieve these goals. In two words: SMART CITY.



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Designing solutions for a positive life