



MAXA ENGINEERING

WE DESIGN THE CITIES OF THE FUTURE FOR YOU





ABOUT US

Maxa Engineering subsidiary of the Greenvest Esco group, that provides professional and highly efficient engineering and architectural services in terms of quality, time and costs thanks to the availability of qualified professionals, specialized software and the use of standardized processes.

This specialized multidisciplinary approach allows us to develop an integrated design in a single structure. Our firm offers a wide range of plant, building, environmental and structural expertise and is always up to date with the latest technologies.

Our consolidated know-how in the field of energy efficiency makes us the ideal partner for your company at all levels of planning and identifying the best solutions for a greener future.

Maxa Engineering is currently able to manage the complete design and work direction of a project including the optimization of the entire project management process from start to end. This is achieved through its technical structure with an interdisciplinary nature that allows the constant presence of professionals different specializations. This ensures the total complement of the total complement of technical choices and actions, which is indispensable especially for complex Green and Energy.

Efficiency projects. Maxa Engineering is, in short, the best answer to all Design and Works Management or Project & Construction Management needs, both for public and private clients.

SERVICES

-  **Integrated design**
 - Architecture
 - Plants
 - Civil/Building construction
-  **Project & Construction Management**
-  **Energy efficiency**
-  **Energy audit**
-  **LEED certification**
-  **Renewables**





Integrated design

The integrated design of a building with high energy and environmental performance is fundamental in order to conceive an effective and functional construction process that can save time and construction costs by foreseeing the issues of the site in a co-ordinated and effective manner.

The design and construction of a building, whether large or small, is a complex process. This requires a multidisciplinary approach to co-ordinate the various design areas with balanced teamwork, capable of integrating different professionals with specific skills.

Furthermore, the fact that a building has low energy consumption, high living comfort and reduced environmental impact is now very important in both the construction and renovation of buildings. After all, the threats of climate change require compliance with European directives and national and international regulations to reduce energy consumption.

Our four divisions work in a co-ordinated and integrated manner at all levels of design, from the feasibility study to the executive project, in order to reduce design time. This guarantees a thorough overview view of the construction site that can allow for greater speed during the realization phase.

- Architecture
- Plants
- Civil/Building constructions
- Project & Construction Management

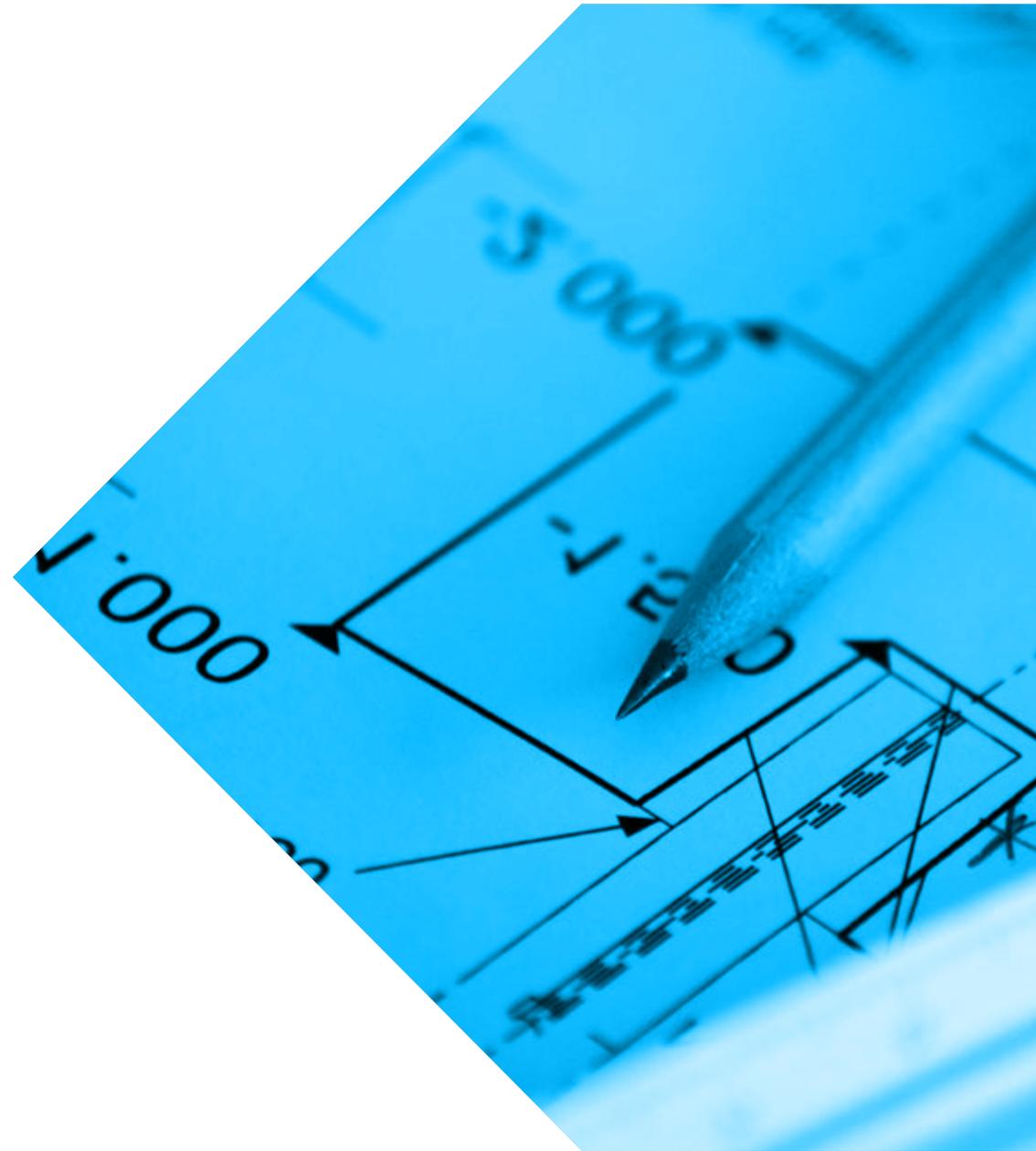


Project & Construction Management

The emergence of larger construction sites, with the regeneration of entire urban areas and the realization of buildings designed to international standards, has led us to specialize in the Project and Construction Management (P&CM) of complex works. We define and control the management flows of the design and construction processes, rigorously following the entire path of a project from conception to completion.

The Maxa Engineering team has extensive experience in the field of managing projects of various sizes and complexity. The key to our success has been the ability to grasp the needs of clients in competitive marketplace. Our creative and collaborative approach with the design and execution teams, together with multidisciplinary experience, allows us to manage projects in all areas of engineering and to co-ordinate their execution during the construction phase.

Our P&C managers are experts in the co-ordination of the different design phases, executive engineering and construction management





Energy efficiency

Our decades of experience in the ESCo sector, provides us with the expertise to understand the energy efficiency issues for existing buildings and new constructions. In some urban contexts, it is easier to prioritize the energy efficiency of a building than to envisage its demolition and reconstruction. With the technologies currently available on the market, our team of experts can improve the energy efficiency of a building by up to 90 per cent. This allows for improved living comfort, huge cost savings, and the preservation of the planet through the using of green energy.

This expertise allows us to be the ideal partner for designing new buildings with efficiency and environmental sustainability. This enables the highest living standards and energy saving . We can also act as an advisor for third party projects.



Energy audit

An improvement in energy efficiency within your organization can potentially bring significant business benefits. With this in mind, Maxa Engineering has developed energy audit services to help you find the best solution. Energy audit services are a key part of our dedicated energy efficiency services and the first step towards your comprehensive energy management strategy.

Our audit provides you with a clear understanding of energy consumption in your buildings and facilities. Quantitative findings can provide substantial practical guidelines for:

1. Continuous improvement in production efficiency
2. Identifying cost saving opportunities in energy efficiency

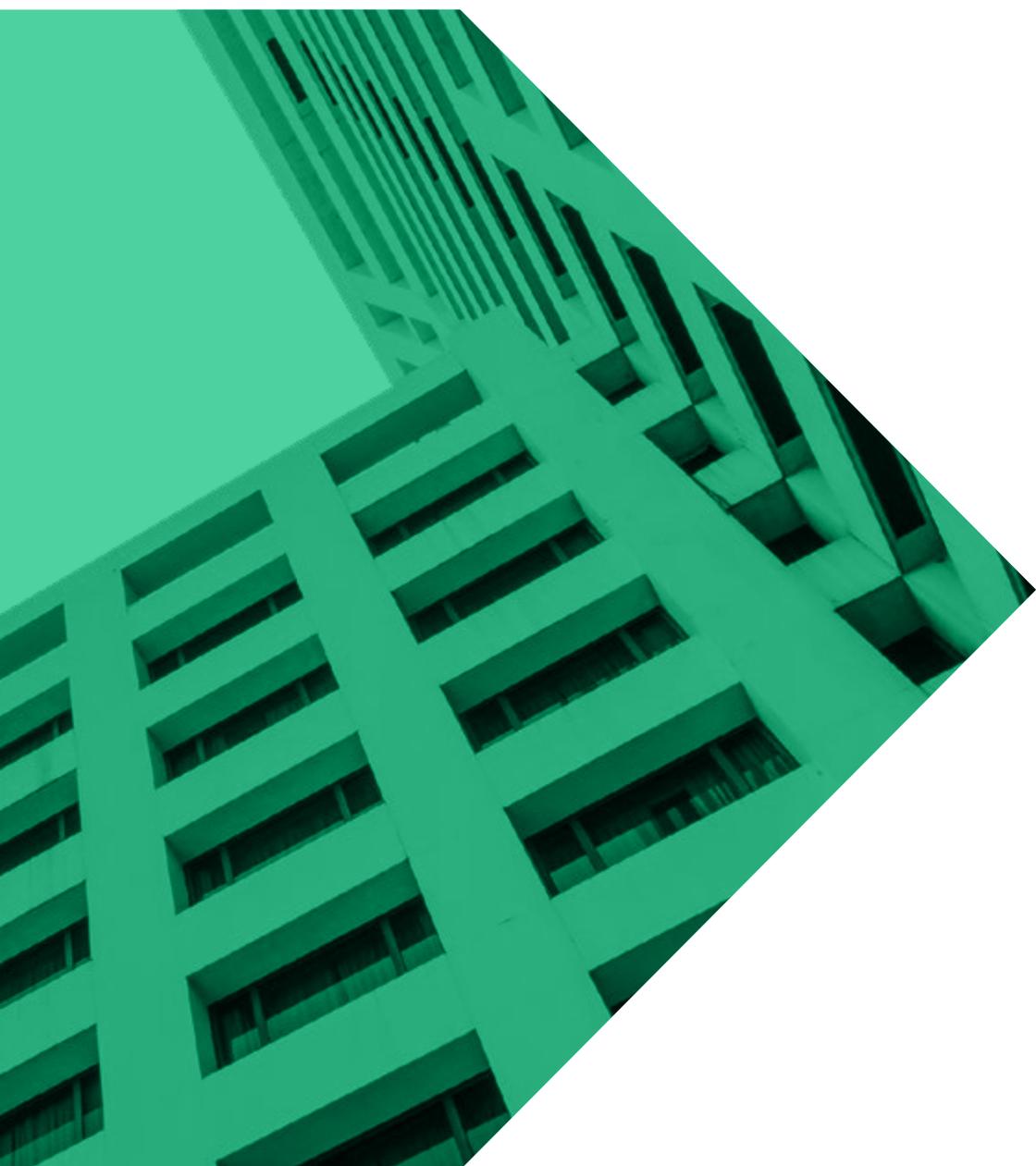
Starting with the development of an energy consumption inventory detailing auditing activities will be conducted to identify buildings and facilities with particular focus on rationalizing their energy profiles. Field measurements will also be taken to quantify critical operating parameters. Following the establishment of an energy consumption profile, the potential energy saving opportunities can be identified. Energy management strategy and particular energy reduction programs can be organized and planned with reference to energy audit results.

Our energy audit services can further provide a range of additional benefits.

- The findings of an energy audit can be a good reference for your management in supporting commercial decisions.
- You can establish a sustainable reputation with your customers.

As the law or policy for energy efficiency will be enacted sooner or later; earlier preparation can enhance your competitiveness.





LEED certification

LEED® - Leadership in Energy and Environmental Design - is a voluntary building sustainability certification system that is applied in over 140 countries worldwide. The LEED standard was created in America by the U.S. Green Building Council (USGBC), a non-profit association founded in 1993 with the aim of promoting and developing a global approach to sustainability, and giving recognition to virtuous performance in key areas of human and environmental health.

LEED is a voluntary, consensus-based system for the design, construction and management of sustainable, high-performance buildings and spatial areas that is increasingly being recognised internationally. It can be used on any type of building and promotes an integrated design system that covers the entire building.

Our LEED®AP consultant does not issue the certification, which can only be issued by the USGBC, but acts as a guide towards obtaining it, adopting a series of best practices due to his in-depth knowledge of the standards.

The main objective of the consultant is to intervene from the earliest study phases and guiding the team towards correct design. A LEED®AP is perfectly familiar with the certification procedures and can therefore advise the client and/or the design and construction team to manage the process to be followed in order to achieve certification: many issues are dealt with, including design and construction times, any contractual or procurement constraints, the certification systems to be adopted and what level to expect.



Renewables

The topic of renewable energy has vitally important both in the individual construction sector and for urban and industrial districts. The supply of energy from renewable sources provides enormous benefits for the environment and the ecosystem, combined with considerable cost savings for the consumer.

In the field of renewable energy, we can offer engineering and consultancy services, from feasibility studies to execution for:

1. Wind power plants
2. Photovoltaic plants
3. Hydroelectric plants
4. Geothermal power plants
5. Biomass plants
6. Cogeneration plants
7. Trigenation plants

We also offer technical and financial analysis for the retrofitting of existing plants, the construction of new ones, and the expansion of a site.

The topic of renewable energies has become of fundamental importance both in the individual construction sector and for urban and industrial districts. The supply of energy from renewable sources provides enormous benefits for the environment and the ecosystem, combined with considerable cost savings for the consumer.





maxaengineering.it