





Green Economy...

Indisputably, the ongoing climatic changes comprise a challenge throughout the world, since the related impacts are immensely apparent and observable to all, regardless of the quality of the living conditions of the societies.

A merely improved handling of the current situation is not adequate anymore. The protection of the environment has become a crucial necessity for every contemporary organization.

This commitment is concurrently financial, legal as well as ethical, whereas additional sectors of the economy, which developed with no restrictions, are also challenged.

The transition to a sustainable operational model, holding reverence to the available resources whereas giving sufficient space for action, demands not only profound and radical actions but collective ones as well.

... Consultants

All facets of the green economy concept, comprise entec's main concern.

Our principal field of operation is the investment development "emphasizing mainly on pioneering and innovative projects" as far as both the environmental and energy fields are concerned.

We specialize in providing a complete range of administrative solutions and support during the development of your project; from its conception to its completion while we further guarantee its absolute success.

Our dedication to the environment and the integration of modern technologies, as well as our specialised scientific-oriented workforce have distinguished us among other companies in the Hellenic market, enabling us to provide services perfectly adjusted to your individual requirements.

Integrated Service Policy

Our consultative status commands the development of your projects within the framework of an integrated approach.

This is conceptualized as an incessant counseling and designing participation in project development. Using the most up-to-date productive methods, we anticipate any plausible faults and therefore reduce constructive and operational costs for your projects.

Consequently, we manage to consolidate your position in the market by providing you with clear differentiating ideas and a strong competitive advantage.



Quality Policy

At entec, we incessantly extend and enlarge the service quality assurance system according to the standard ISO 9001:2008 by integrating innovative, state-of-the-art solutions into its application.

In our company's headquarters, we achieved full implementation of paperless office solutions; since all information is stored and transited in a digital form.

This approach ensures the security of your information according to the ISO management system, and increases significantly our productivity, while conserving perceptible amounts of paper.

Corporate and Environmental Code of Conduct

At entec, we are originally oriented towards the preservation of consistency between the habitat and the operational environment in which we are engaged.

This consistency stance, followed since our company's foundation, is interlinked with the implementation of pioneering environmental codes of conduct.

Emphasizing on the environmental ethics, we substantiate that the code of conduct undoubtedly commands environmental consciousness. Through this attitude, we contribute not only to the sustainable development but to the amelioration living conditions as well.

All entec waste (paper, packing, inkhorns, electronic equipment, accumulators, etc) are separated and recycled according to the manufacturer's directives and their respective recycling methods.





At entec we apply carbon offsetting ensuring our carbonic neutrality.

Within this framework, there is a PV unit of 4.84kW already operating in our headquarters, whereas the building of 400kW parks is currently under way.

When our projects are fully developed, we will contribute with a 560t saving of annual equivalent CO₂ with a zero energy footprint.



Energy Projects

Our principal field of operation is the development of Renewable Energy Sources (RES) Projects as well as the implementation Energy Saving policies.

The profound technical constitution of our scientific team is the rationale behind our establishment as one of the most prevailing presences in the Hellenic consulting business.

Renewable Energy Sources Projects

At entec, we develop investment projects in unexploited regions that indicate a sufficient renewable potential. We scrutinize the tracts according to their terrain, subsoil, accessibility, the extent of the necessary subsequent works, as well as any other factor that could negatively affect the viability of the investment.

After carefully examining and registering most feasible land-planning and environmental risks, we prohibit the establishment in restricted areas, we secure the approvals of all competent organizations.

Additionally, with the aid of authorized measuring settlements, we accurately estimate the productivity of the recommended RES electric power station.

During the planning process of your project, we conduct an integrated life cycle analysis aiming at the assured provision of the Power Production License from RAE.

After receiving this license, we meticulously analyze the construction and technical specifications of your equipment and we provide utterly consultative support during all phases of the succeeding authorization procedures.

As far as the design of the RES power production units is concerned we offer advisory services, not only during project development but during the construction phase as well, assuring the smooth implementation of your project.

Engineering and Development of Photovoltaic Stations

Some of our indicative consulting services provided during the installation of a photovoltaic station are the following:

Issuance of Electric Power Production License	Evaluation of suppliers and equipment
Issuance of installation and Operation Permit	Signing of the Power Purchase Agreement
Conduction of feasibility studies for the accession in the Development Law and Environmental Terms Approval	Supervision for the project's apt implementation
	Connection with the power supply network

During the implementation study, the PV station is designed with the aid of acknowledged tools and proficient software, simulating its performance with outstanding accuracy.

This approach primarily enables us to minimize both the costs and the interventions during the project's construction. It also contributes to the maximization of your ROI.

Concurrently, we examine the integration to the urban or natural environment and we exploit the inexhaustible source of solar energy in a viable and harmonic way.

Every PV investment requires special consideration and every project comprises a unique individual challenge for us.

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All equipment has been chosen according to its high energy performance.

The electrical and mechanical equipment exhibit an increase in energy and lighting efficiency of 60% and 20% respectively.

Energy saving adjustments in PCs and use of lightning appliances only when necessary, ensure an additional 8% in annual energy savings.



Energy Projects

Therefore, we design systems as well as complex architectural applications (for example, the integration to buildings and common areas) using a discrete combination of technologies in our endeavour to satisfy and service all your needs.

Energy Saving

Energy saving plays a fundamental role regarding the protection of the environment. Saving energy contributes to the reduction of pollution and the amelioration of working conditions.

We recommend solutions that save energy in all sorts of buildings, having as an objective the reduction of their electric and thermal needs.

First and foremost, we conduct a thorough and profound analysis of the building's requirements and in succession, we apply pioneering but tested solutions, managing to balance the costs with the expected returns.

By improving the efficiency of the building shell, we decrease air conditioning needs while the habitant comfort is largely advanced. Consequently, a range of interventions in the electrical and mechanical settlements as well as in lighting takes place.

Our design procedure, is based on the maximization of natural light conditions and the implementation of bioclimatic architecture principles.

We recommend the replacement of the old appliances to newer ones of higher energy efficiency class and we promote solutions that instantly utilize the thermal content of combustible gases.

Finally, we apply automated systems for building energy management, so as to maximize the energy saving achievement.



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The digitization of all income documents and electronic internal distribution have contributed towards the goal of rendering our office virtually "paperless".

Our project studies are printed according to the least paper intensive standards, acceptable by public organizations.

This type of natural resources management saves 320 kg CO₂ emissions equivalent annually.



Enterprise development

entec offers proficient countenance, providing high quality services to all types of enterprises. We guide our clients towards applicable, environmentally viable and lawful solutions, regarding the entirety of corporate operations. Simultaneously, the observance of quality assurance procedures and codes of conduct, has enhanced our ability to guarantee for the absolute security of your sensitive corporate and individual data.

Enterprise Authorization and Development

Deciding to work with entec implies your cooperation with an experienced team that will facilitate your corporate choices.

We simultaneously achieve both the precise fulfillment of your needs and the consolidation of your position in the market. Aspiring to achieve an unhampered development of your company, we abbreviate and simplify the authorization procedure as much as possible.

Possessing the appropriate experience as well as the knowledge constitution, we convert the provision of a license, from an extremely complicated procedure to an inarguable success. Through the established working relations that we have developed with dedicated experts, we achieve the acceleration of procedures, the accomplishment of the desirable coordination and the observance to the timetable for the investment completion.

Business certification

The standardization of business operation has been rendered rather crucial due to the enhancement of the complexity in the services provided to the business world, as well as the transition to a more collectively oriented operational model.

The quality assurance systems condense the experience gained through a plethora of solutions and methods for the augmentation of a company's productivity and its project reconnaissance. Thus, the company's standardized operation and its unimpeded collaboration with other certified companies is completely secured.

The objective concerns augmentation of profitability, whereas simplicity in the company's operation is simultaneously maintained. entec designs authorization systems according to the specifications determined from the company's administration, the legislation as well as the international and national standards incorporating up-to-date technologies.

Subsidized Investment Programmes

Within the framework of building up innovative enterprises, the reinforcement of initiatives such as subsidies or tax exemptions is rendered more than necessary, since it motivates their implementation.

Prior to the submission of the proposal for subsidies, a preparation study is conducted, through which actions of strategic significance are recommended. The target is to choose the appropriate subvention programme, like the Development Law or the aid programmes for small and medium enterprises of the NSRF.

We are constantly supporting you through the financial and technical approach and offer the personal contact required from the submission and the assessment of your investment plan until the project's financial closure. We engage the maximum possible subsidies, with the minimum consumption of your time.





At entec we vigorously participate in the expansion of green actions by informing and urging our personal and business environment to employ energy and resource savings.

Environmental impact reduction during the construction and operation phase of the projects comprises the fundamental rule of our studies.

We inform our clients and collaborators on how to become as environmentally friendly as possible.



Environmental services

Within the framework of the integrated services policy, we provide support for planning, authorization, installation and operation of projects regarding the protection of the environment and waste management.

Additionally, we offer full technical support during the construction period.

Environmental Protection Systems

The environmental protection systems are entailed in entec's environmental application field, aiming not only at the acquisition of the necessary authorisations initially requested by the client, but also at the more profound cooperation of the investor with our team, so as to come to the realization of the sustainable result.

We design and implement solutions for water purification to match the specifications for custom industrial use, whether this process concerns its use during the productive procedure or its sanitation, so as to be disposed safely or back to the environment.

We undertake the planning and supervision of the construction of wastewater treatment plants, by adjusting the market's solutions to the special composition of the outflow. By analysing the sources and the production procedure of waste, we cite the technical specifications for the treatment procedure.

Endeavouring to respond to the needs regarding the control of the industrial production, we undertake the planning of suitable monitoring and retaining systems reducing the exhaust gases released to the environment emitted by the production process.

Finally, we focus on recording the procedures within a company that increase its environmental footprint, as it is the most substantial step towards preserving earth's resources. Implementing such systems results in a direct financial gain as the activities for its reduction demand less resources.

The rural production is summoned to adopt water saving techniques since it confronts the threat of desertification.

Any form of physical impact in the natural environment can give rise to disturbances on different levels.

We participate in the expansion of green actions by informing and urging our personal and business environment to employ energy and resource savings and by monitoring our co-operators' commitment towards environmental protection.

Gross domestic products provide no surrogate for authentic well-being.

The paradigm of sustainable development leads the route to reviving an already saturated ecosystem.

Environmental impact reduction during the construction and operation phase of the projects comprises the fundamental rule of our studies.

We monitor our co-operators commitment towards environmental protection and we enhance their awareness regarding the consumables recycling.

We can no longer pretend that natural resources are inexhaustible.



Environmental services

Environmental Impact Assessment

An Environmental Impact Assessment (EIA) is probably the most significant licensing phase for the siting of an activity.

Contrary to the established attitude of the market, we consider the EIA as the backbone for the activity development, which secures the integration in the solution planning for the environmental protection. It is actually the procedure of the determination, analysis and optimization of the activity flowchart that concerns its correlation with the environment.

Our objective during the conduction of an EIA is the reflective collaboration with all the contributors of the project, attempting to achieve the optimum environmental performance of the recommended activity.

Geodesy and Mapping

Our geodetic department uses cutting edge topographic equipment, so as to provide services of the highest possible quality and accuracy.

As long as the processing of the measurements and their performance during their final shape is concerned, we utterly exploit the capabilities of CAD and GIS, by using specialized packages of measurements processing and re-enactment of the terrain in 3 dimensions.

The extended use of GIS contributes to the full presentation of the technical challenges and the environmental impacts of a project, realizing the reinforcement of your investment suggestion.

During the design of your project, we offer incessant topographic counseling, applying stringent quality and security regulations, while we guarantee for the precise implementation of the studies.

When on site stacking is required, we immediately respond by exchanging data with all the project contributors.

At entec, we strongly believe that the vision for sustainable development is absolutely attainable and compatible with the operational model of contemporary enterprises.

For this reason, we promote the application of the sustainable development principles and we propagate the significant social and financial benefits.

As we possess all required means and precious know-how, we can surely guide you to the path of green development, being aware that we will obtain the best outcome for you and the environment.

Indicative clientele

Energy Projects

Gennext S.A.

40 MW Wind Park
in Serres Prefecture
Project Development

Abengoa Hellas Solar S.A.

20 MW Concentrated Solar Thermal Plant
in Lasithi Prefecture
Project Consulting

Bright RES Ltd

20 MW Wind Park
in Chania Prefecture
Project Development

Capital Renewables S.A.

4,13 MW PV Park
in Argolida Prefecture /
2 MW PV Plant in Boeotia Prefecture
Project Development

Bank of Energy S.A.

120 20 kW PV Parks
in Argolis, Achaia and Lakonia Prefectures
Authorization, Development Law

A-Hélios Ltd

Eight 80 kW PV Parks
in Lasithi Prefecture
Application Exempt from RAE

Helioenergiaki S.A.

Six 80 kW PV Parks
in Lasithi Prefecture
EIA, Development Law

Solaria Energia S.A.

Four 100 kW PV Parks
in Larissa Prefecture
Technical Due Diligence

EST Energy Hellas

Twenty 20 kW PV in Boeotia Prefecture
Authorisation, Development Law

Municipality of Gazi

Programme "Energy Save"
Proposal submission

Pilot Beach Hotel

Two 80 kW PV Parks
in Georgioupolis, Chania Prefecture
Application Exempt from RAE, EIA

Integrated authorisation solutions

for more than **106** PV parks in Crete
and **47** PV parks in the Mainland.

Business Development

Blue Marine Hotel

Hotel renovation
in municipality of St Nikolaos
Development Law 3299

Ideal Beach Hotel

Hotel renovation in Platanias
in Chania Prefecture
Development Law, Certification,
Electricity and Heat Cogeneration system

Hotel Aphrodite

Extension of hotel complex
in Gouves of Heraclion Prefecture
Development Law, Certification

Eurodelia Ltd

Foundation of recycling materials
management unit in Cyprus
Subsidies, Certification

Eurokipeutiki Co.

Conservatory installation in Kissamos,
in Chania Prefecture
Development Law

Chartografiki S.A.

Modernization of paper and office supplier
in Heraklion Prefecture
Subvention, Certification

Environmental Services

Mediwaste S.A.

Foundation of Clinical Waste Management Unit
EIA, Waste Water Allocation, Authorization

Sissi and Milatos Community

Re-shaping of coastal areas
EIA, Energy Study

Ergatex S.A.

Insulation Materials Plant expansion
Environmental Impact Study, Certification

Macro Cash and Carry

Heraklion Crete branch
Environmental Impact Assessment

Aria Terra S.A.

Conveyance licenses for urban waste
and infectious hospital waste
Environmental Authorisation

Mesogeios - Nephrologic Centre S.A.

Centre of hemodialysis holidays "Mesogeios"
Water waste allocation study

Glossary

ISO

International
Organization
for Standardization

GDP

Gross Domestic
Product

ECO-DRIVING

Ecodriving is a way
of driving that reduces
fuel consumption,
greenhouse gas
emissions and
accident rates

ENERGY LABELS

The energy efficiency
of all appliances rated
in terms of a set of
energy classes from A
to G; label A being the
most energy efficient,
G the least efficient

RAE

Regulatory
Authority for Energy

ROI

Return On Investment

PV

Photovoltaics

EIA

Environmental
Impact Assessment

RES

Renewable
Energy Sources

HTSO

Hellenic Transmission
System Operator S.A.

NSRF

National Strategic
Reference Framework

GIS

Geographic
Information
Systems

CAD

Computer-Aided
Design

CARBON

OFFSETTING
Financial instrument aimed at a
reduction in greenhouse
gas emissions, measured in metric
tons of carbon
dioxide-equivalent
(CO₂e)

