



Sustainable solutions for a brighter future



DESIGNING SUSTAINABLE SOLUTIONS TOGETHER FOR A BRIGHTER FUTURE.

The company, now called Consortis, was founded in 2005 and has so far achieved a successful track record in public sector studies and services and private projects.

My vision is for Consortis to provide services that substantially improve people's everyday lives as they relate to the environment and shape the surface of the planet, and doing all this by combining engineering sciences with the latest technology.

Sustainability, the protection of natural resources and climate, viable cities, smart applications and systems: These all have to do with being green and smart. They are the key words for the future. The most basic tool is their design and implementation at all levels.

The Consortis team consists of a group of outstanding and highly qualified specialists. In combination with their focus and dedication the result is high quality services.

At Consortis, we keep abreast of technological developments and work together towards inspirational and realistic solutions, delivered on time at the agreed costs. With consistency and responsibility, we are constantly improving our environmental performance. We design and implement solutions that save resources and energy!

With the experience we gained from implementing more than 500 projects in 30 prefectures of Greece and more than 10 European programs, we are constantly improving. We are expanding our business and enriching our services with the new needs-based services that modern society requires.

A handwritten signature in dark ink, appearing to read 'Dimitris' or similar, with a stylized flourish.

GEORGE TSAKOUMIS, CEO





GEOSPATIAL SERVICES

In every project, location plays a critical role in the decision-making processes regarding the project's limitations, priorities and risks. At Consortis we use the latest geospatial technologies to gather, organise and visualise high precision data and we are dedicated to meeting our clients' needs with advanced services including software development, geospatial analysis and contemporary mapping methods.

GIS Application Development

- Web Mapping
- Desktop GIS
- Mobile GIS
- Training & Education services

Spatial Data Management and 3D Analysis

- Research and collection of primary data
- Digitisation
- Geocoding
- Data transfer

Earth Observation

- Aerial Surveys
- Land Surveys
- Remote Sensing
- Photogrammetric Services

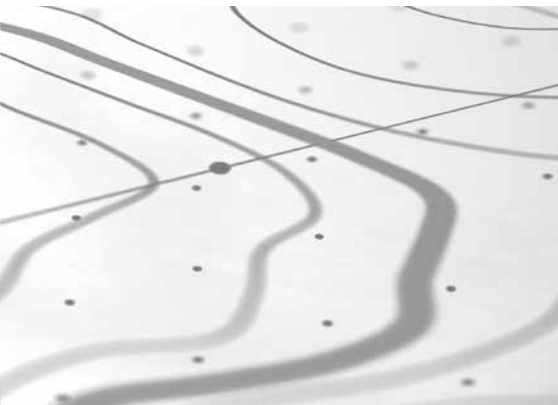
Cadastre-Land Administration

- Ownership control of real estate
- Investigation and recording of real estate portfolios
- Land registers for expropriations
- Mapping for city plan extensions
- National Cadastre

PROJECTS

LS025-2

Production of coloured infrared digital orthoimages, as well as the corresponding digital elevation model (DEM) for a third of the country, by using techniques of aerial photography, covering an area of 44.282,55 km².



CADASTRAL SURVEY STUDIES FOR THE CREATION OF A NATIONAL CADASTRE

Creation of a digital database of temporary cadastral backgrounds, collection and technical / legal processing, as well as the creation of cadastral tables and diagrams for the following contracts:

DEVELOPMENT OF THE INTEGRATED INFORMATION SYSTEM OF THE CENTRAL SHELL AND THE SECTORAL APPLICATIONS

in the context of the environmental information system for the support of entrepreneurship and competitiveness.



KT5-03:

Cadastral survey study in the remaining area of the regional unity of Thessaloniki (600,000 real property rights are expected to be collected).

KT-11A:

Cadastral survey study in the municipalities of Epanomi, N. Michaniona and the communities of Aggelochori, Ag. Paraskevi, Kardia and Trilofos, of the Prefecture of Thessaloniki (collection of more than 120,000 real property rights).

KT-16/19045:

Cadastral survey study in the municipalities of Ambelokipoi, Eleftherio Kordelio, Evosmos, Menemeni, Oreokastro and for the local departments of Nea Magnisia and Diavata which are located in the Municipality of Echedoros, Prefecture of Thessaloniki (collection of more than 260,000 real property rights).

APPLICATION DEVELOPMENTS

citiMap MAPPING PORTAL

The citiMap is a simple and easy to administer map portal that enables you to view, publish and share all your geospatial data. citiMap is based on open standards and is compatible with law 3882/2010 for the National Spatial Data Infrastructure (NSDI) and the European INSPIRE directive. Through citiMap, access to geospatial data is given to both officials and citizens, such as existing building conditions, permitted land uses, points of interest, etc., as well as published data updates by the managing organisation.





LAND REGISTRY MANAGER - LRM

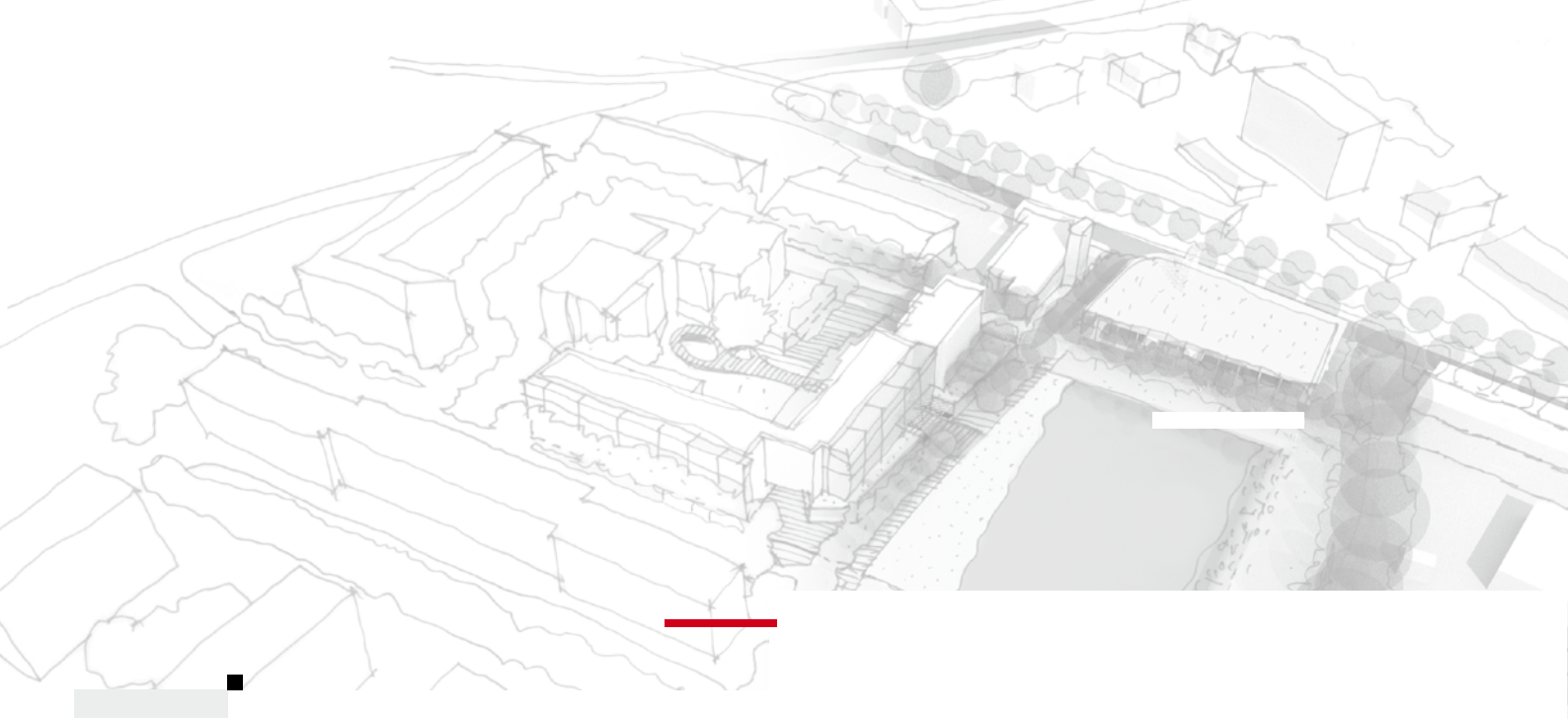
LRM is an application for quick, easy review, registration and editing of properties and their individual features.

MAPtheYA

Water and Sewer Network Management Application

MAPtheYA is an information system for the management and supervision of water supply and sewerage networks in an integrated GIS environment. It allows data related to water consumers to be recorded.





LAND DEVELOPMENT

Land evaluation is the key tool to ensure investment plans develop dynamically. On the social level, it is a key criterion of life quality. This is why Consortis approaches space planning holistically. After focusing on the technical and economic parameters of each area separately, we create innovative, effective and coherent plans to create communities worth living in. Yes, we have extensive and specialised experience in the field, a broad knowledge of policy and institutional regulations and tools, and a full understanding of the factors that affect the costs, timing and management of development projects, but that is not enough. Environmental sensitivity is also essential, because there is no efficiency and growth without respect for the world that we will hand on to the next generation. We keep this in the forefront of our mind, but above all, make sure it is also in the forefront of our activity.

Spatial Planning and Development

- Spatial and regulatory studies
- Urban planning and surveying
- Implementations
- Studies into regional development of productive activity
- Strategic development plans for local authorities
- MasterPlan
- Studies into the spatial impact of Infrastructure projects

Architectural, Urban and Landscape Design

- Architectural building studies
- Outdoor landscaping studies
- Renovation and restoration of existing public spaces
- Studies into the renovation and reuse of buildings
- Studies into the preservation of traditional buildings, settlements and landscapes

Real Estate Services

Property Valuation

- Land and buildings
- Technical works and installations
- Electromechanical equipment
- Means of transportation
- Furniture and other equipment

Development

- Real estate market research & analysis
- Real estate valuation studies
- Real estate use improvement studies
- Funding and management of investment plans
- Technical & Legal checks

STUDY OF ACCESSIBILITY INDICATORS FOR SITES OF SPECIAL INTEREST

Recording, processing and extraction conclusions concerning the accessible transport modes, industrial areas and key sites of tourist interest located in Zone IV of the Egnatia Motorway.

SPECIAL SPATIAL PLAN FOR THE THESSALONIKI EXHIBITION CENTER

Elaboration of a special spatial plan for the Thessaloniki Exhibition Center, including the detailed urban plan and the study for the strategic environmental assessment.

CREATION OF A THRACIAN ARCHITECTURE MUSEUM

Focus on restoring the existing neo-classical building and creating a museum for Thracian architecture in the town of Soufli. The project ended by the design of the exhibition and the appropriate furniture for the building's new function.

MODIFICATION OF THE GENERAL URBAN PLAN OF THE MUNICIPALITY OF NEAPOLI-SYKIES

Analysis of the main features of the peri-urban space, such as general elements of the natural environment, cultural, historical and archaeological environment, spatial organization of land uses as well as trends residential development.

PROMOTION OF THE TRADITIONAL CHARACTERISTICS OF SOUFLI TOWN

Study for the promotion of the traditional characteristics of the town of Soufli by redesigning its two main streets.

SUMMER COTTAGE COMPLEX IN KASTORIA

Design of 4 small cottages. The design aimed on the creation of functional houses with traditional materials of Kastoria, such as stone and wood.

DETAILED URBAN PLAN IN THE MUNICIPALITY OF LARISSA

Detailed urban plan of the area of Agios Thomas in Larissa, dealing with the recognition of the urban planning organization, the land uses and the identification of the building blocks in terms of their structure and form.

CONSTRUCTION OF A CHILDCARE CENTER BUILDING

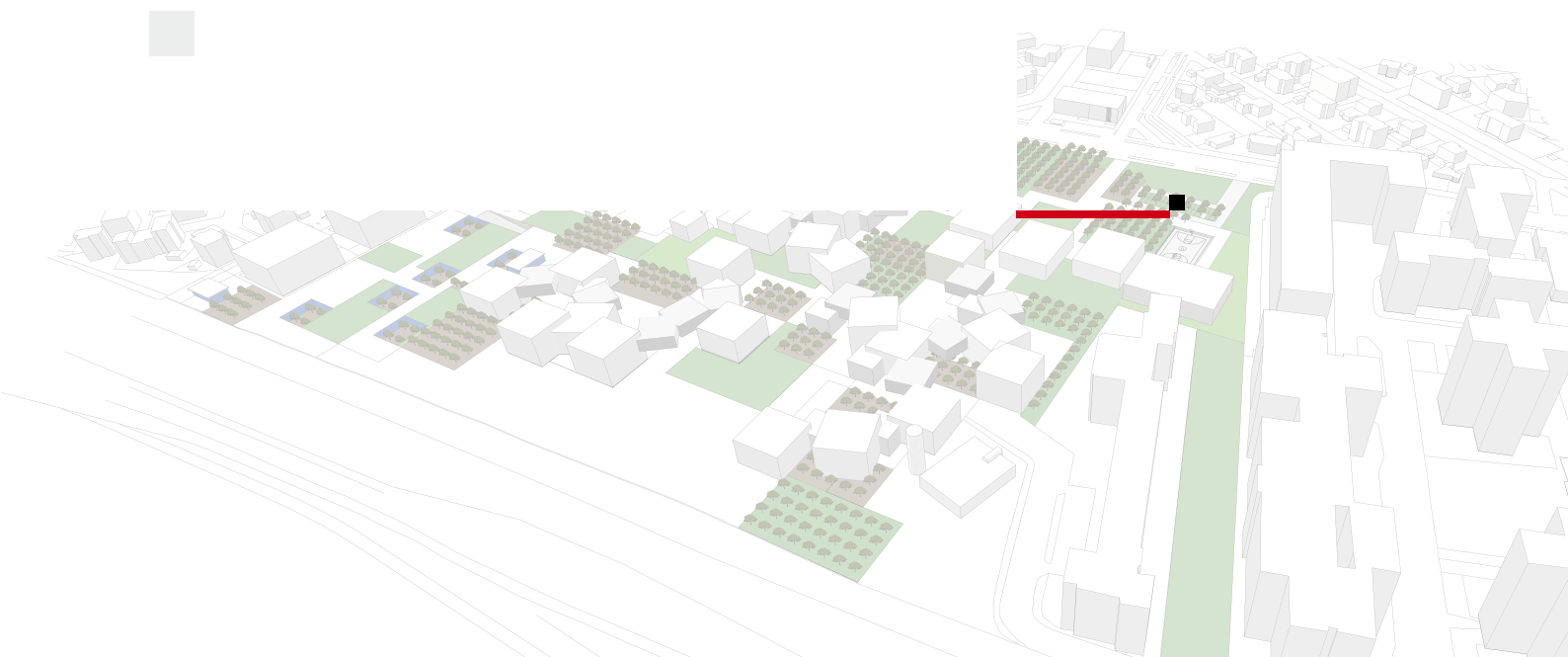
Study of construction of a childcare center building in N. Apollonia village. The building was developed around an atrium. By applying bioclimatic design principles the building ensures thermal comfort and air-quality thus creating a healthy living environment for its young users.

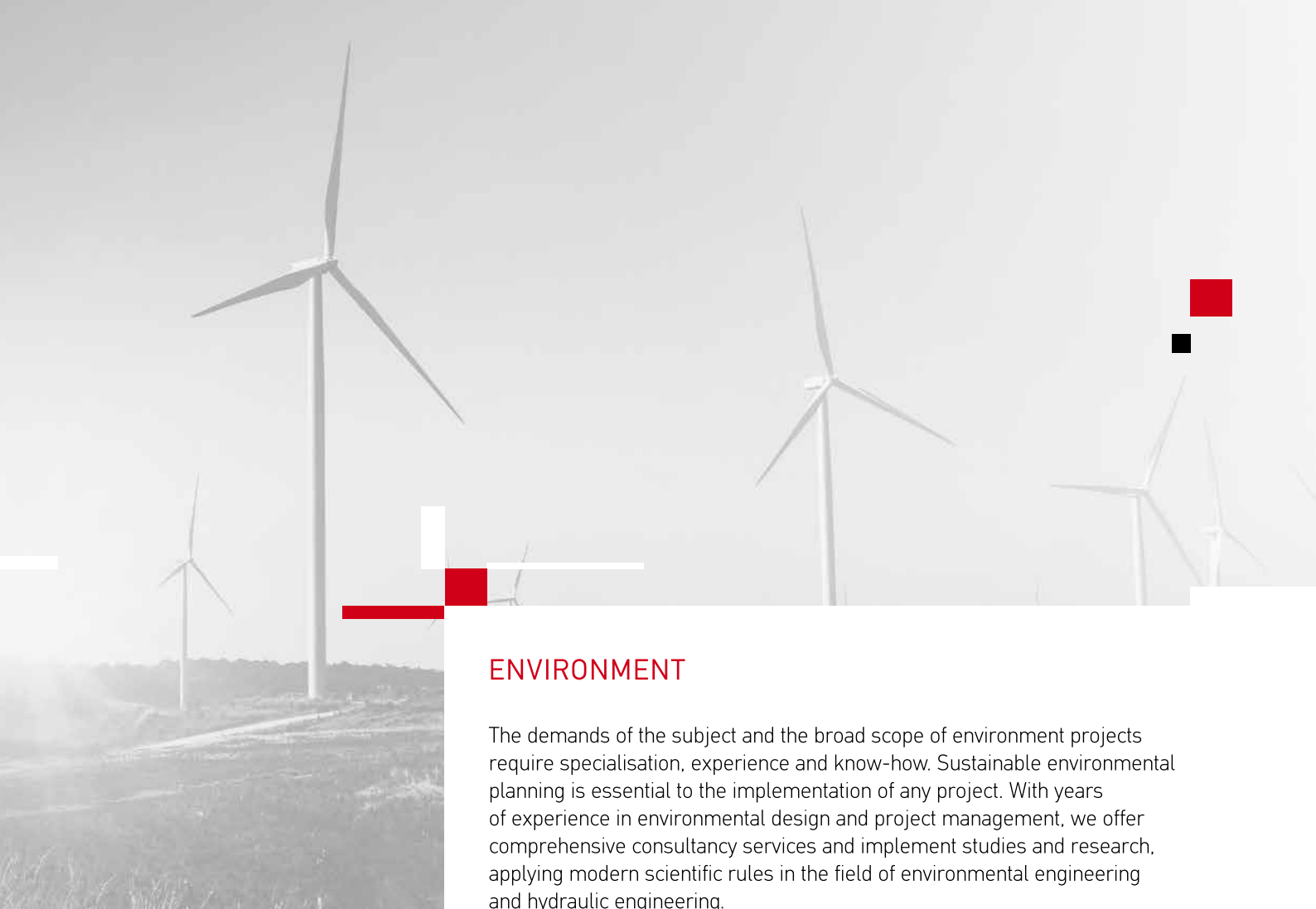
REAL ESTATE EVALUATION SERVICES - VOLVI MUNICIPALITY

Evaluation of six properties for tourism development in the Municipality of Volvi.

REAL ESTATE EVALUATION SERVICES - CHALKIDONA MUNICIPALITY

Drafting of real estate evaluation reports for Chalkidona Municipality.





ENVIRONMENT

The demands of the subject and the broad scope of environment projects require specialisation, experience and know-how. Sustainable environmental planning is essential to the implementation of any project. With years of experience in environmental design and project management, we offer comprehensive consultancy services and implement studies and research, applying modern scientific rules in the field of environmental engineering and hydraulic engineering.

Environmental Studies

- Strategic environmental consultancy
- Environmental impact assessment
- Environmental infrastructure planning
- Environmental auditing
- Sustainability & climate change

Water & Waste Management

- Flood Hazard Assessment and Control
- Catchment/River Dynamics
- Stormwater Management/Rainwater Harvesting
- Grey Water
- Solid waste management
- Wastewater treatment - processing plants

Hydraulic Engineering

- Water supply networks
- Drainage and sewerage networks
- Flood and drainage projects
- Modelling of hydraulic networks
- Land improvement works - Irrigation



IRRIGATION CHANNEL RESTORATION PROJECT AND RIVER FLOOD PROTECTION

Flood protection and river dynamics management in the area of the Liladas water basin, Evia Region. Water flow and water control project which included water intake and water supply infrastructure to the Kalapodi irrigation channel, i.e. irrigation channel inlet and outlet, network head works as well as underground water crossing culvert design.

ENVIRONMENTAL RESTORATION AND IMPROVEMENT OF EXISTING SANITARY LANDFILL SITE

Project for the restoration of operational problems, improvement and reconstruction of landfills in the whole range of technical works at the sanitary landfill sites of Serres, Polygyros and Edessa, Region of Central Macedonia.

RESTORATION OF UNCONTROLLED WASTE DISPOSAL SITES

Restoration of uncontrolled waste disposal sites, in the region of Thessaloniki. Study of environmental restoration and remediation, protection, improvement and upgrade of uncontrolled waste disposal sites and harmonization of solid waste management with the national and European framework

SEWAGE NETWORK AND WASTEWATER TREATMENT PLAN

Design of sewage network system of the town of Goumenissa in the Municipality of Paionia and study of the wastewater treatment plant (WWTP) using the artificial wetland method.

IRRIGATION WATER POLLUTION ASSESSMENT AND ITS IMPACT IN THE MARINE ENVIRONMENT

Design of a water treatment plant to decontaminate irrigation waters and soil in the area of Thessaloniki with the aim of reducing the concentrations of hazardous substances, heavy metals and other harmful elements discharged into the marine environment. Study for the reuse of water for irrigation and re-enrichment of underground aquifers.

STRATEGIC ENVIRONMENTAL IMPACT ASSESSMENT

Strategic environmental impact assessment for the general urban plan of the Municipality of Kireas, Prefecture of Evia.

COLLECTION-TRANSPORTATION SOLID WASTE TRANSFER STATION

Environmental auditing and environmental impact assessment of the solid waste transfer station, in the Municipality of Paionia. Ecological impact assessment study as this project falls under the area GR1220010 of the Natura 2000 network.

FEASIBILITY STUDY FOR SUSTAINABLE SOLID WASTE MANAGEMENT

Consultancy services for the investigation of the feasibility of landfill sites for industrial waste and industrial hazardous waste in the context of sustainable solid waste management, Region of Central Macedonia.



TRANSPORTATION

In the modern urban landscape, transport alongside with its optimum management plays a crucial role towards environmental sustainability and the quality of human life. Additionally, transport is considered to be one of the most important indicators of a region's development. That being so, we have actively been involved in designing major transport infrastructure for years, retaining a steady focus on development and environmental sustainability.

Transport Infrastructure

- Infrastructure planning studies
- Road safety studies
- Signalling and safety

Traffic & Transportation Planning

- Planning for sustainable modes of transport
- Sustainable Urban Mobility Plans (SUMP)
- Impact assessments of transportation systems
- Public transport studies
- Traffic studies





SUSTAINABLE URBAN MOBILITY PLANS (SUMP)

Establishment and evaluation of an integrated and efficient intervention framework for the gradual formulation conditions of sustainable urban mobility according to environmental upgrading and improvement of both passenger and freight urban mobility for the Municipality of Serres, Lagadas and Chalkidonos.

TRAFFIC STUDY OF THE OLD HOSPITAL'S INTERSECTION AND ITS CONNECTION WITH PAPANASTASIOU STREET, ALEXANDROUPOLI

The object of this study was the modification of geometrical characteristics of three nearby intersections in the wider area of Alexandroupolis' old hospital. The central goal of the project was the upgrade of traffic operation by implementing the study's proposals, in order to ensure the safe use of the intersections.

STUDY OF ROAD SAFETY IMPROVEMENT INTERVENTIONS IN THE TRANSPORT NETWORK OF THE NORTHERN PART OF THE PREFECTURE OF CHALKIDIKI

Recording, investigation and identifying failures on the road environment aimed at addressing problems in the transport network of the northern part of the Prefecture of Chalkidiki, in order to improve road safety and as a result reduce spots where accidents frequently occur.

FRAMEWORK AGREEMENT FOR THE IMPLEMENTATION OF ROAD DESIGN STUDIES, TRAFFIC STUDIES, ROAD SIGNING, TRAFFIC AND ROAD SAFETY STUDIES FOR THE EGNATIA ODOS S.A.

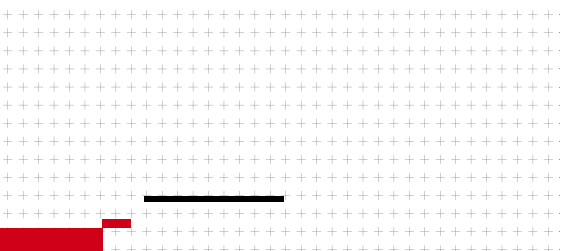
Road signing, traffic and road safety studies of Thessalonikis' intersections and arterial roads, intersections and road design studies in the Chalkidiki area, as well as studies of improvement – widening of a part of the existing provincial road.



CONSULTING SERVICES

The world we engineer in is complicated and as a result creates equally complicated management challenges. On the one hand there is the legal and regulatory side, such as keeping up-to-date with ever-changing technical regulations. On the other hand, great experience and expertise is needed to deal with financial and investment programmes. There are countless other challenges that we have had to face also, which is why our years of experience in successfully working through them qualifies us to provide technical consultancy services for the development of a project from concept to completion, in both the public and private sector.

- Feasibility studies
- Research, Development & Innovation
- Project Planning, Implementation & Management
- Public Investments Management
- Design & Tender Management
- Construction Management & Supervision



**CONSULTANT TO THE SPECIAL
MANAGEMENT SERVICE OF RCM
FOR THE OPERATIONS' COMPLETION
OF PA 2007-2013**

Support to the Special Management Service of the operational programme for the Region of Central Macedonia, regarding data inspection submitted in the beneficiary's completed operation report. Examination of the total necessary elements, finalisation of the technical operation form and sub-project's operation form, as well as the operation's folder update.

**TECHNICAL AND ADMINISTRATIVE
SUPPORT TO MUNICIPALITIES**

Provision of consulting services to municipalities of the Region of Central Macedonia for projects funded by Partnership Agreement (PA), regarding the support of planning and development services, technical services and financial services.

**TECHNICAL CONSULTANT OF
CHALKIDONOS' AND VOLVIS' MUNICIPAL
WATER AND SEWERAGE COMPANIES**

Support for the acceleration of several project procedures regarding maturation, studies, supervision, monitoring and implementation.

**WET-AID: PROTECTION OF HUMAN
LIFE AND ENVIRONMENTAL HEALTH
THROUGH SUSTAINABLE MANAGEMENT
OF AGRARIAN LANDSCAPES**

Project management and coordination, Geodatabase development, implementation of regional strategy guidelines for the protection of human life and environmental health, inventory of the economical activities study area and of the project's action plan.



PLANNING AND ENGAGEMENT ARENAS FOR RENEWABLE ENERGY LANDSCAPES

Consortis is one of the 13 partners of the project consortium and is involved in WP2 "Sustainable Implementation: Policies and Practices" and WP4 "Spatial planning and Analysis". Core objective is to facilitate a better understanding of legal frameworks, daily practice in the implementation of renewable energy landscapes and the improvement, development and application of methodologies and tools in sustainable energy planning enhancing active public participation and involvement.



AUTOMATED TELEMETRIC APPLICATIONS FOR OPERATIONAL MONITORING IN NESTOS RIVER BASIN

Consortis has implemented the methodology standards of water quality monitoring via telemetry, the calibration and debugging guidelines, the management guide and calibration and debugging standards and the data processing and harmonisation methodology guidelines.



CIRCULAR ECONOMY FOR SMES

Consortis was involved in the implementation of the action plan for the Region of Central Macedonia, the implementation of certain modules of the White Book, the LSG meetings and participation in the interregional partner event that was held in Finland and the application of the toolkit for RCM.



JOINT REFERENCE STRATEGIES FOR RURAL ACTIVITIES OF REDUCED INPUTS BASIN

Consortis participated in the pilot implementation of tools and assessment of product quality held in Greece, the training of consultants and education of rural population as well as the Feasibility study for future implementation of reduced input practices in the areas.



DEVELOPING A MULTIMODAL FREIGHT CORRIDOR TO CONNECT THE AEGEAN TO THE BLACK SEA

Consortis was involved in the following work packages: the "Analysis of the current situation and long term forecasts", the "Planning of the Sea2sea corridor", the "Determination of the basic components for the complete implementation of the Sea2sea corridor" as well as the "Public awareness campaign".



SOIL DEGRADATION ASSESSMENT AND REHABILITATION STRATEGIES FOR SUSTAINABLE LAND USE PLANNING

Consortis was involved in the implementation of the project's masterplan intended to configure spatial planning for the future development of the region, the project's geodatabase and GIS client application, as well as the recording and monitoring of geospatial and socioeconomic parameters in the study area.



CONSERVATION AND QUALITY ASSURANCE OF MUNICIPAL WATER IN THE CROSSBORDER AREA

Consortis has implemented actions regarding the project's management and coordination, the common methodological standards for integrated municipal water management, pilot application actions, capacity building and continuation actions, ecological footprint assessment of methodological standards, e-support platform as well as training material and guidelines for sustainable use of municipal water.



COMMON SUPPORT STRUCTURES FOR THE QUALITY MONITORING OF WATER RESOURCES AND THE PROTECTION OF PUBLIC HEALTH

Consortis participated in the development of quality control methodology standards in the water quality monitoring via telemetry, the development of calibration and debugging standards and the data processing and harmonization methodology guidelines.



CONSORTIS



OUR TEAM OF SPECIALISTS ARE OUR POWER

Our staff is made up of scientists from various specialisations: surveying engineers, architects, civil engineers, mechanical engineers, spatial planners, urban planners, environmental engineers and IT scientists, who work as a team and are ready to provide a broad range of solutions for every project. We keep track of the latest developments, listen to the voice of the market and enjoy taking on challenges because we take pride in delivering top services.



C O N S O R T I S

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