

TECHNICAL CONSULTING AND PROJECT MANAGEMENT

-  **Technical services for preparing evaluation reports on the climate resilience of infrastructure managed by the Directorate for Flood Protection and Land Reclamation Projects**
Client: Ministry of Infrastructure and Transport, General Secretariat for Infrastructure, Directorate for Flood Protection and Land Reclamation Projects (D19) (2024)
-  **Independent expert services for supervising and monitoring repair works on the underwater water supply pipeline to Aegina island**
Client: Municipality of Aegina (2024)
-  **Consulting services to for updating the Cost–Benefit Analysis (CBA) for the project “Eschatia Stream Training – Section from Eupyridon conduit junction to Parnitha Avenue”**
Client: Special Managing Authority for the “Environment & Climate Change” and “Civil Protection” Programmes (EYD PEKA & POLPRO), Ministry of National Economy and Finance (2023)
(Area: Hydraulic and techno-economic studies)
-  **Technical project management consultancy for the “Supplementary works to upgrade aquatic ecosystems in southwestern Aetolia-Acarnania” project**
Client: Ministry of Infrastructure and Transport, Directorate D19 (2023)
-  **Technical Consulting services for the construction of the Thessaloniki Water Treatment Plant (EENTH) Expansion – Phase A2 (2022).** Description: Provided comprehensive support to EYATH S.A. (Thessaloniki Water Supply and Sewerage Company) in overseeing and quality-controlling the construction of the "Thessaloniki Water Treatment Plant (EENTH) Expansion – Phase A2." Client: EYATH S.A.
-  **Support for monitoring measures implementation from the 1st revision of the River Basin and Flood Risk Management Plans (RBMP & FRMP) and assistance to the drafting of the 2nd revision of the RBMP for the Western Macedonia Water District**
Client: Decentralised Administration of Epirus–Western Macedonia (2022), duration: 23 months
Scope included:
 - Monitoring implementation of RBMP and FRMP measures
 - Proposing a monitoring system and database, including GIS
 - Regular reporting and software development
 - Supporting the drafting of the 2nd RBMP revision
-  **Technical consulting support for Directorate for Flood Protection Works of the Region of Attika in supervising and reviewing ongoing studies**
Client: Region of Attica, Directorate for Flood Protection Works (2022)
-  **Climate change impact and Climate change resilience report for the project “Platy Dam works in Rethymno with pipeline to Messara (Heraklion) and irrigation networks” & drafting the dossier of the major project “Flood protection and stormwater drainage in Nea Makri, Attica”**
Client: Directorate of Major Projects, Ministry of Infrastructure and Transport (2022)
-  **Technical consulting services for preparing and launching an international PPP tender for the project “Infrastructure development for the use of Tavronitis River water in Chania, Crete”**
Scope: Design, Build, Finance, Maintain & Operate infrastructure including two dams,

interconnecting tunnel, irrigation and water supply networks (~210 km pipelines), pumping stations, reservoirs, and a water treatment plant (23,000 m³/day capacity + 63 km aqueducts)



Technical consulting for tender preparation and project maturation for “Land reclamation in Amvrakia–Amfilochia and Valtos areas, Phase A (in Aitolocarnania area)”

Services included:

- Drafting tender documents under Law 4412/2016
- Preparing/updating feasibility and CBA studies
- Supporting funding procedures



Technical and scientific support services for the maturation and management of hydraulic projects under the Directorate for Flood Protection and Land Reclamation Projects

Provided expert staff and resources to support planning, design, supervision, and procurement of key projects, including:

- Eschatia Stream channelization
- Agios Georgios torrent
- Loutraki and Erasinos flood protection works
- Acharnes (Kanapitsa) stream
- Arta plain and Peta–Kompoti land reclamation
- Rafina Stream flood protection
- Preparation of the Major-project dossier for EU financing and support to the ministry during the European Investment Bank (EIB) evaluation



Technical Consultant for the support of the Special Secretariat for Water for the application of the Directive 2007/60/EC on the assessment and management of flood risks. Obligations arising from this project are:

- Preparation of the Preliminary of Flood Risk Assessment for all the River Basin Districts of the country, whereby the areas of the country that have significant risk of flooding are determined
- Management and administrative support of the Flood Risk Management Plans (FRMPs).
- Supervision of the implementation of FRMPs
- Completion of the procedures for final approval of FRMPs, develop basic axes for supervision of their implementation and configuration of the any other actions and measures to be taken for the implementation of Directive 2007/60/EC.



Technical Consultant in the project of the re-creation of the lake Karla. The project involves the re-creation of lake Karla (total surface of 3,800 ha) as an artificial lake, in a flat area in Central Greece that is surrounded by mountainous terrain; lake Karla was a shallow lake of variable size in the past that was drained in the 1950's by means of a drainage tunnel. The areas around the lake were irrigated by pumping from the groundwater in unsustainable quantities, which inevitably led to the depression of the groundwater level.

The project aims to re-create lake Karla as an ecosystem and for the irrigation and flood control of the surrounding area. More specifically, the project includes the following:

- embankments of total length of 21,8km,
- the construction of main drainage ditches to the lake of a total length of 53 km,
- pumping stations for water transportation from Pinios river (through a network of existing canals) and for drainage of the nearby low level area into the lake
- Water and soil retention works on the nearby mountains of 445km² surface
- Water Supply of the town of Volos (150,000 inhabitants) from groundwater (with a drastically lowered total abstraction for irrigation and water supply)

- Environmental improvement works (plantations, construction of an artificial wetland for the improvement of the water quality, infrastructure for ecotourism development etc)
- Irrigation networks for the irrigation from the lake of an area of 9,200 ha, replacing the abstraction from groundwater.

The Technical assistance to the Ministry includes the following:

- Project construction Supervision and Management
- Actions for the Funding of the project from the EU and national funds and management of the cash flow of the project
- Formulation of the Specifications and preparation of the Tender documents for the necessary studies, and for complementary works in aim to improve the functionality of the project
- Implementation of a surface water quality monitoring program in order to develop a model for the estimation of the expected water quality of the lake Karla.
- Organization, information and participation of the public and all the involved public services and organizations
- Preparation of the operation guidelines of the Managing Body of lake Karla (responsibilities according to the water framework directive 2000/60/EC, human resources management, operation regulations, etc).
- Preparation and Formulation of the Legislative Actions for the protection of the environment of the lake, for the operation and control of the works and the constitution of the Managing Body according to the provisions of the water framework directive 2000/60/EC.

Cost of works: 246,296,125 € (2009).



Technical Consultant in all the projects of the region of Central Macedonia during 2000-2008.

The study has been assigned by the Greek Ministry of Economy and Finance. The subject of the study is to support all type of projects (road construction, coastal engineering, hydraulic works, architectural interventions etc). The project includes evaluation of design reports and tender documents, management and administration support as well as support for project final acceptance.



Technical Consultant in all the projects of the region of Thessalia during 2000-2008. The study has been assigned by the Greek Ministry of Economy and Finance. The subject of the study is to support all type of projects (road construction, coastal engineering, hydraulic works, architectural interventions etc). The project includes evaluation of design reports and tender documents, management and administration support as well as support for project final acceptance.



Technical Consultant in the project of Environmental Restoration of Thorikos beach. Assigned by the Department of Public Works of the Prefecture of Attiki, the technical assistant involves support for the environmental restoration of Thorikos beach in Lavrio, which is significantly polluted due to waste deposition produced from the mine located in the area.

The project involves:

- Project Management, which includes: compilation and periodic review of the time schedule, intervention suggestions in order to restrict delays, management of the financial account progress of the project, monitoring the progress of the study and construction process.
- Supervision of the Special Study of Environmental Restoration of the area, which includes compilation of the specifications of the study, the tender documents, monitoring the natural progress, tender suggestions for the best possible completion of the work, environmental permitting etc.
- Supervision of construction



Consultants of the Greek Ministry of Environment, Physical Planning and Public Works, Secretary of the Environment, on supervising the realization of the National Environmental Network. The National Environmental Network is an integrated data base system for compiling and processing information related to environmental conditions in local and national level. This network will be the main mechanism for storing and handling data of national importance on environmental issues (see www.edpp.gr).



Psitallia wastewater treatment installations. Conveyance, treatment and discharge of wastewater. Consultants to the Greek Ministry of Environment, Regional Planning and Public Works. On the island of Psitallia is located the largest waste treatment facility in Greece receiving the sewers from the metropolitan area of Athens. Service population 3,500,000, capacity 744,000 m³/d. The project included: a) construction of twin submerged pipeline (L=1,400 m, D=2.80 m) conveying wastewater from Akrokeramos (the coast across Psitallia) to Psitallia b) primary treatment installations in Psitallia and Akrokeramos as well as the devices for anaerobic sludge digestion and thickening c) twin pipe for the disposal of the treated effluent to the sea (Saronic Gulf) in water depth up to 62 m, L=3,700 m, D=2.40 – 1.30 m d) additional sewer D=3.60 m L=6,800 m of which 5,700 m in tunnel.

Consultancy included: a) Preliminary design b) Final design of the additional sewer c) Supervision and evaluation of the results of geotechnical investigations d) Tender Documents preparation e) Bid evaluation f) Final Design (carried out by the contractor) check g) Construction and equipment installation supervision h) Test and trial operation supervision.

In the frame of the project were also carried out: a) Preliminary reports on further sludge treatment b) Environmental Impacts Assessment Studies c) Feasibility study

Cost of works: 90,975,790 € (1995).



Design and Construction of Thessaloniki wastewater treatment plant. Consultants to the Greek Ministry of Environment, Regional Planning and Public Works – Special Agency of Public Works of Thessaloniki. Construction of the necessary works for the primary treatment of wastewater of Thessaloniki metropolitan area with population 850,000. Consultancy included: a) Final Design (carried out by the contractor of the works) check b) Construction and equipment installation supervision c) Test and trial operation supervision. Cost of works: 5,869,410 € (1992).