



# ENVIRONMENTAL INFRASTRUCTURE SECTOR

EPTISA provides a full range of technical assistance and engineering services to improve the environmental infrastructure conditions across the world and is particularly active in South East Europe. We carry out environmental assessments and audits, landscape integration of civil engineering works and environmental restorations of all kinds.

We provide technical assistance in the various environmental sectors spanning from water supply systems, wastewater treatment, sewerage systems, solid waste collection, treatment and disposal, sanitary landfills engineering, river basin management and flood control, industrial pollution control and risk management, soil pollution and soil remediation, air quality, to forestry, irrigation, nature conservation and biodiversity.

EPTISA has a broad experience in all phases of the water cycle, from technical support to public entities and improvement of water resources management to supervision of construction works. We carry out the design and implementation for water infrastructure including water supply and waste water networks and all types of water and waste water treatment plants. Our

portfolio also includes developing turnkey projects for urban and industrial wastewater treatment plants, prevention and mitigation of the natural, social and economic disasters with emphasis on environmental and water quality concerns.

Main fields of specialisation:

- Pre-Feasibility and Feasibility Studies
- Construction works supervision and management
- Design, implementation, operation and maintenance of environmental infrastructure
- Preparation of technical specifications, procurement plans, and tender dossiers
- Planning and preparation of project documentation and IPA applications in compliance with EU directives
- Formulation of investment plans
- Social and Environmental Impact Assessments, etc.

Within all of the sectors described EPTISA is fully capable to provide its services to a wide range of Clients and Beneficiaries with particular focus on SEE.



## MAIN PROJECTS



### SUPERVISION OF CONSTRUCTION AND SUPPLIES FOR SEWERAGE SYSTEM AND WASTEWATER TREATMENT PLANT IN VELIPOJA AREA, PHASE III, ALBANIA, 2013-2016, EU-IPA, 785,500€

EPTISA provided supervision services for the implementation of one works and three supply contracts related to the construction of over 30 km of gravity pipes, 1.15 km of rising main (200mm, PN10) from pumping station to WWTP, manholes, 701 house connections and 6 pumping stations. The team also supervised the extension of the WWTP in order to treat a total flow up to 465 m<sup>3</sup>/h and achieve its final design capacity of 48,300 PE.



### SUPERVISION OF THE SEWERAGE SYSTEMS CONSTRUCTION IN VELIPOJA AND SHKODRA, ALBANIA, 2010-2015, EU-IPA, 910,750€

The overall objective of the project is to contribute to the improvement of the health and environmental conditions in the coastal regions through the construction of an adequate and sustainable sewerage infrastructure while encouraging economic growth through improved services. EPTISA participated in Works Tender evaluation, start up and mobilisation and carried out on-site supervision, co-ordination, and administration of contracts including overall project management and backstopping.



### FLOOD RISK MANAGEMENT IN REPUBLIKA SRPSKA, SUPERVISION OF WORKS (2ND STAGE), BIH, 2016-2019, EIB, 1.4 M€

This project will support national and regional efforts in the development and upgrading of flood protection. The Project concerns the emergency repairs and construction of key flood protection infrastructure along the Sava River floodplains and its tributaries in RS following extensive damages at a large number of locations caused by the flood events of both 2009 and 2010 as well as 2014. EPTISA will perform the duties and authority of a FIDIC Engineer and ensure that high quality construction is achieved and that all work is carried out in full compliance with the engineering design, technical specifications and other contract documents.



### WATER AND SANITATION PROJECT IN REPUBLIKA SRPSKA - SUPERVISION SERVICE, BIH, 2014-2016, EIB-EU, 2 M€

The objective of the project is aimed at supporting the improvement of the living conditions of population, by providing adequate hygienic conditions related to water supply and wastewater removal, and implementing environmental protection measures in accordance with the imminent obligations arising from the accession to the EU and harmonisation with the EU legislation, in this specific case with the Framework Water Directive, Drinking Water Directive and Urban Wastewater Directive. Overall Project and Supervision services included a number of municipalities throughout Republic of Srpska.



### WORK SUPERVISION FOR THE CONSTRUCTION OF COUNTY WASTE MANAGEMENT CENTRE MARIŠČINA IN PRIMORSKO-GORANSKA COUNTY, CROATIA, 2012-2018, EU-IPA, 1.9 M€

Marišćina project is a pioneering intervention in Croatia developing an environmentally and financially sustainable solid waste management system in Primorsko-Goranska County and establishing the County Waste Management Centre, thereby assisting Croatia in the implementation of the *acquis communautaire* in the environment and waste sector. EPTISA provided services of design review and approval, technical and financial supervision, ensuring the completion of works within the specified time frame and contracted budget.



### SISAK WASTEWATER PROGRAMME - SUPERVISION OF DESIGN AND CONSTRUCTION, CROATIA, 2013-2017, EU-IPA, 1.3 M€

The purpose of this assignment is to improve sewerage infrastructure, treatment of waste water and protection of water resources in the City of Sisak and surrounding area of Sisačko-Moslavačka County. Specific activities carried out by EPTISA include construction supervision, preparing the Manual of Supervision Procedures, assisting the Contracting Authority/Employer with the review and approval of all necessary certificates, guarantees, insurance policies etc., monitoring closely the progress of the works including overall Project Management and Backstopping.



### FEASIBILITY STUDY FOR ENVIRONMENTAL AND OTHER MEASURES ON KOSOVO B THERMAL POWER PLANT, KOSOVO, 2016-2017, EU-IPA, 1.1 M€

The key objective of the project of which this contract will be a part is to carry out the Feasibility Study to be undertaken under IPA 2014 for the refurbishment of Kosovo B power plant. The project consists of all activities needed for assessing technical, economical, financial and environmental feasibility of upgrading the Kosovo B TPP to comply with the requirements of the Energy Community Treaty including compliance with LCPD and IED, but also related to extension of the plant's lifetime and capacity.

## MAIN PROJECTS



### SUPERVISION OF THE CONSTRUCTION WORKS FOR REHABILITATION AND EXTENSION OF SEWERAGE NETWORK IN PRILEP, II PHASE MACEDONIA, 2015-2018, EU, 499,750€

The main objective of this project is to improve environmental protection through investments in environmental infrastructure, and create conditions for environment friendly sustainable development, with prevention of surface and underground waters pollution and to assist in works contract management and successful implementation of the investment measures through Supervision of the construction works for rehabilitation and extension of the sewerage network.



### REFORM IN THE SYSTEM FOR WATER SUPPLY, COLLECTION AND TREATMENT AT LOCAL LEVEL, MACEDONIA, 2015-2017, EU, 1.8 M€

The overall objective of this project is to have an adequate management capacity at local level for provision of operation and services for water supply, collection and treatment, which is a condition to effectively absorb and operate the future investments. The project will focus on assisting the relevant authorities in reforming the existing system, concerning organisational, managerial, financial and operational aspects at local level in order to enable an effective and efficient management of the water supply, collection and waste water treatment.



### PREPARATION OF PROJECT STUDIES (FSS, EIAs, CBAs), DESIGN AND TENDER DOCUMENTATION FOR ESTABLISHING OF AN INTEGRATED AND FINANCIALLY SELF-SUSTAINABLE WASTE MANAGEMENT SYSTEM IN EAST AND NORTHEAST REGION, MACEDONIA, 2015-2017, EU, 975,000€

The focus of this project is on preparation of necessary project studies and technical and tender documentation for construction of the selected waste treatment and disposal facilities including preparation of Feasibility Studies (FSs), Cost-Benefit Analyses (CBAs), Environment Impact Assessments (EIAs), Detail Designs and assistance with preparation of Volume 3, 4 and 5 of the Tender dossiers for works contracts for construction of selected waste treatment and disposal facilities for both East and Northeast Regions.



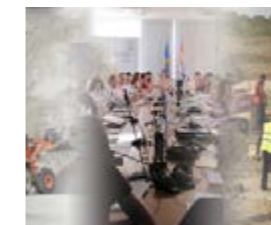
### PRIORITY ENVIRONMENTAL INFRASTRUCTURE FOR DEVELOPMENT - PEID, SERBIA, SIDA, 2016-2019, 2.4 M€

The PEID project provides technical support to the Department of Project Management in the Ministry of Agriculture and Environmental Protection of Serbia (DPM) for high priority waste water and solid waste projects. The support will enable DPM to develop priority projects that will make a strategic contribution and smaller projects unlocking available funding while the major projects are being finalised. PEID will enable DPM to guide the large preparation facilities based on scoping missions and background data collation, and will also work on the development of project concepts and technical documentation.



### SUPERVISION OF CONSTRUCTION OF THE WATER SUPPLY, WASTE WATER COLLECTION AND TREATMENT PROJECT FOR THE CITY OF RAŠKA, SERBIA, 2016-2019, EU-IPA, 580,400€

This project aims at further development of water infrastructure in Raška through supervision of rehabilitation and extension of the existing wastewater collection system, rehabilitation of the existing raw water supply system and construction of WWTP with effluent parameters compliant with the Urban Wastewater Treatment Directive 91/271/EEC. EPTISA will also contribute to the improvement of the performance of the PUC "Raška" and its management system and practices through preparation of Financial and Operational Performance Improvement Programme (FOPIP).



### TECHNICAL ASSISTANCE FOR THE MUNICIPAL INFRASTRUCTURE SUPPORT PROGRAMME 3 (MISP 3), SERBIA, 2011-2017, EU-IPA 2010, 7 M€

The project is the third phase of a programme initiated by the EC, aiming at two main objectives: on one hand, to provide technical support to all Serbian municipalities in the planning and implementation of municipal infrastructure projects, mainly related to water supply, wastewater treatment, and the collection and disposal of municipal solid waste, and, on the other, to provide legal, managerial and technical support to the Public Utility Companies in charge of the delivery of municipal infrastructure services.



### MUNICIPAL INFRASTRUCTURE SUPPORT PROGRAMME 2, (MISP 2), 2010-2016, SERBIA, EU-IPA 2008, 13.3 M€

The overall objective of the project is to strengthen capacities in Serbia, as required from candidates for EU Membership, to develop and implement policy reforms on the decentralisation of local government leading to improved local governance, better management of municipal infrastructure services, and the capacity of municipalities to programme and absorb EC investment funds. This is realised through Feasibility Studies and Construction supervision of concrete environmental projects.







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