



“Environmental Solutions...Our job!”

2017

I. Frantzis & Associates Ltd.

Organization and staffing

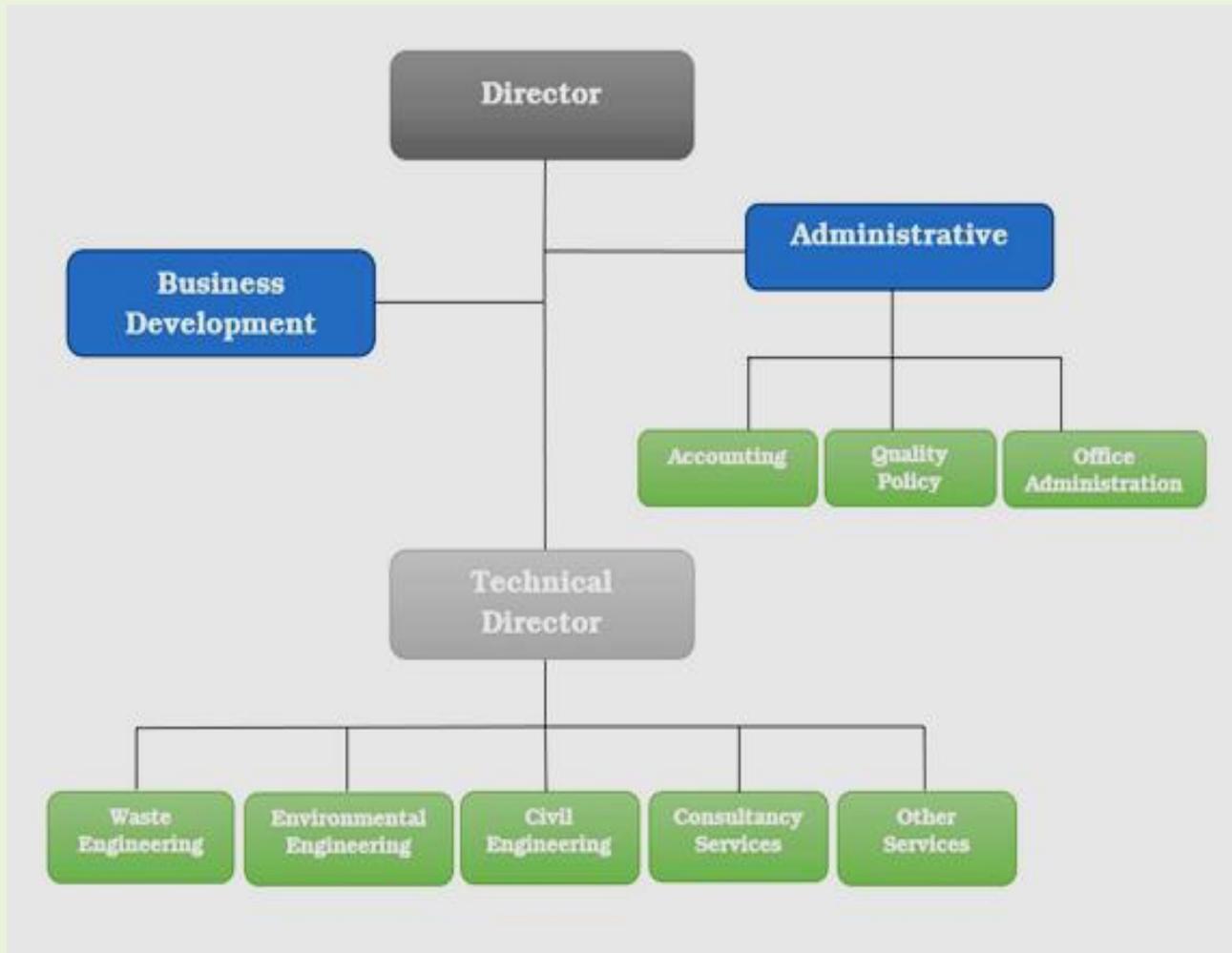
I. FRANTZIS and ASSOCIATES Ltd. is a consulting company, established in 1997 in Athens, Greece, providing technical consulting, environmental engineering and project management services, with special focus on waste management. The company's provided services cover a broad spectrum including waste management, environment, energy, technical engineering and project management, starting from conceptual design, up to construction supervision, and client's training on project operation. Our clients include Ministries, regional authorities, municipalities, construction companies, waste management associations and international financial institutions.

For more than 20 years, our waste management team of engineers, environmental scientists and planners, has helped customers develop business opportunities in the waste sector, while protecting communities and natural environment. Our philosophy follows the established waste hierarchy of waste prevention, minimisation, reuse, recycling, energy recovery and final disposal.

The firm is staffed with 10 experienced consultants, engineers and scientists who work to the highest standards, completing successfully projects and playing a leading role in Greece. Furthermore the firm has successfully completed projects in Europe, South East and Western Asia. The company also co-operates with a wide range of freelance experts and consultants in selected areas depending on the scope of the projects undertaken. In order to effectively assist our clients, our professionals remain intimately familiar with the latest legal, regulatory, and technology advancements.

Highly professional and trained staff and implementation of **ISO 9001** standard for quality management system and **ISO 14001** for environmental management are guarantee of our quality provided services.

Organization Chart



Provided Services

“I. FRANTZIS and ASSOCIATES Ltd.” offers a full range of environmental engineering, and consulting services that set new standards in quality, value, timeliness and cost-efficiency. We transfer innovative ideas, creative and value-based approaches to each project we work on in order to save you money and time by focusing efforts that balance practicality, legislative requirements, and cost-effectiveness.

We can support our clients through the entire project life cycle by providing consulting, engineering, construction management, operation and maintenance services. We offer these services individually or as part of our full-service approach.

• WASTE MANAGEMENT



At **I. FRANTZIS and ASSOCIATES Ltd.**, we provide fully integrated technical solutions to the waste sector serving both Greece and specific international markets where we have strong client relationships or there are challenges for new co operations.

For more than 20 years, our waste management team of engineers, environmental scientists and planners, has helped customers develop the business opportunities in the Solid Waste Sector while protecting communities and the natural environment. Our waste management philosophy follows the established waste hierarchy of waste prevention, minimisation, reuse, recycling, energy recovery and final disposal.

Providing Services:

- Detailed and conceptual design for Solid Waste Treatment Facilities (Mechanical, Biological, thermal treatment), energy from waste, biogas utilization, landfills, transfer stations, dumpsites rehabilitation
- Waste strategy and plan development
- Environmental management including modelling, monitoring, assessments, etc.
- Strategic planning for sitting, resource and waste management, financial modelling and recycling or resource recovery
- Legislative approvals and considerations including approvals for environmental planning, and infrastructure sitting and operation
- Alternative waste technologies assessment, selection, concept, design, feasibility and financing options
- Project management
- Procurement & Construction management

I. FRANTZIS and ASSOCIATES Ltd. has experience of leading and assisting procurement teams through tendering and associated procedures including open, restricted, negotiated and competitive dialogue processes for a variety of waste management facilities. **I. FRANTZIS and ASSOCIATES Ltd.** has considerable experience in providing technical support to both public and private sector during Competitive Dialogue process from outline business case through to preferred bidder and financial close. During the last years we have been assigned with projects from local authorities/public sector as well as from potential contractors who are involved in a variety of waste procurement projects and can therefore demonstrate an understanding of both sides of this process.

- ENVIRONMENT



We have extensive experience in undertaking planning and environmental impact assessments (E.I.A.) for a wide range of projects that are mainly focused in waste and renewable energy resources sectors.

At **I. FRANTZIS and ASSOCIATES Ltd.**, we have the experts to deliver all stages of the E.I.A. process, whether that be undertaking the entire E.I.A., or assisting at one or more of the key stages. We can support the E.I.A. with specialists from all of the relevant environmental topic areas.

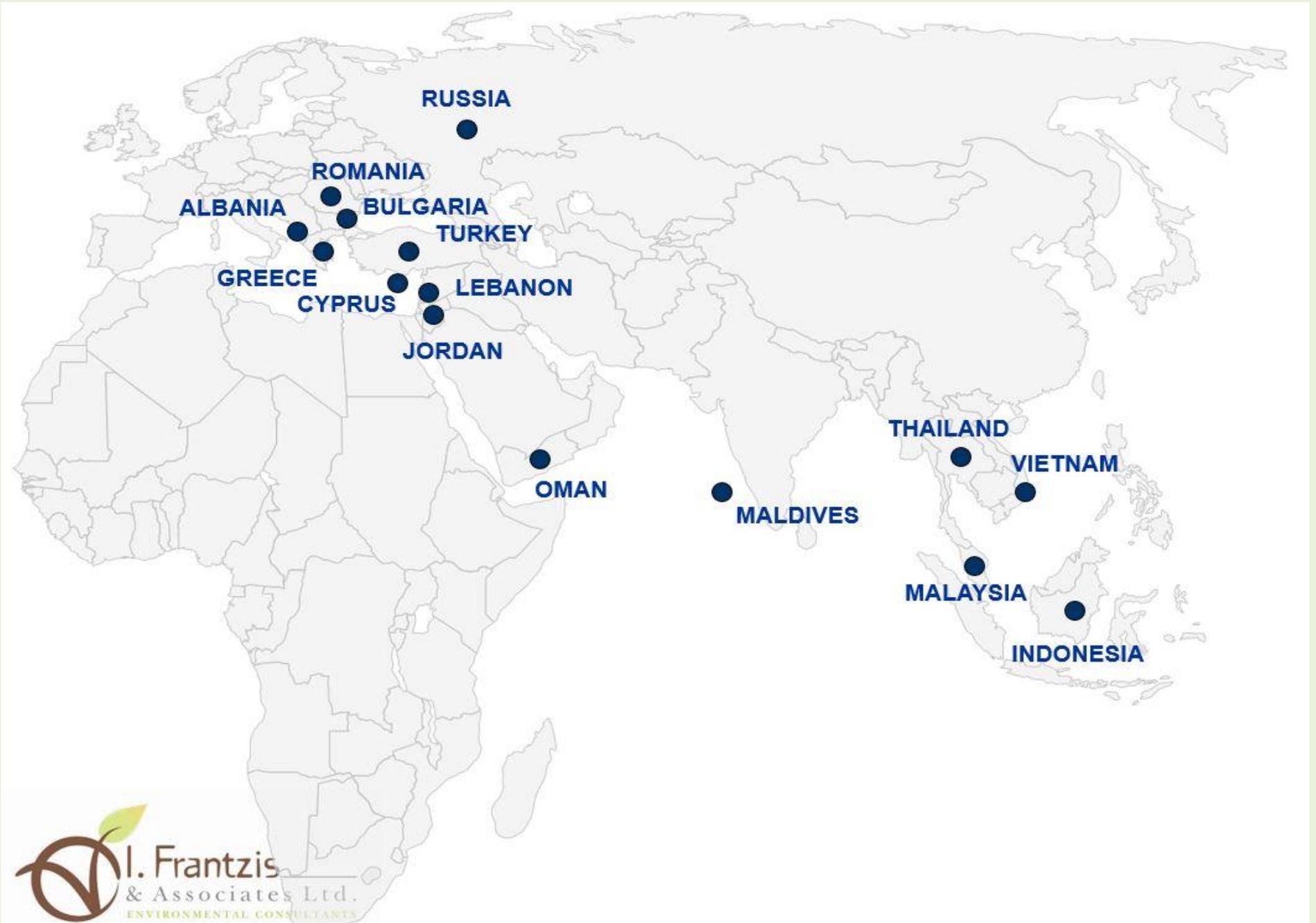
Our environmental consultants understand both how things work and how things are built and are excellent at integrating the environmental sciences on engineering projects – delivering solutions that are realistic, innovative and cost effective.

In order to achieve the best project outcomes, the environmental aspects of a project should be integrated within the planning and design process and aligned with the requirements of the other technical disciplines. To facilitate this coordinated approach, environmental advice can be provided at all stages of development, from early planning and design, as well as regulatory approvals.

Our company provides the following services:

- Elaboration of environmental impact assessment studies for any type of activity according to Greek and National Legislation
- Elaboration of Strategic Environmental Impact Assessment studies for various topics, including regional waste management plans, operational programs as well ex ante evaluation of Operation Programs co-funded by European Commission
- Elaboration and execution of Environmental monitoring programs

Activities Worldwide



Quality Control of the Company Services

The Quality Control of the services provided by our company focuses mainly in meeting specific quality requirements. The quality requirements are defined by the quality policy of the company and the conditions (general and specific) of the contracts that the company undertakes. In effect, quality control is the tool to certify the efficiency of quality assurance.

The efficient implementation of Quality Assurance by our company comprises of the following principles:

Customer-focused strategy: Our Company comprehends the primary and future needs of our customers, by forming close relationships through contact and communication.

Leadership: The personnel of our company, considers the head of the department as an instructor and leader, who is committed to the quality policy and major objectives.

Personnel: Our personnel participates actively in the provision of the services, by participating in consultations and phrasing opinions for solving problems.

Procedures: Providing services by our company is achieved by means of activities and resources managed by specific procedures. Our vast experience ensures that these procedures are intelligible by the whole personnel.

System approach: Our Company's effectiveness and efficiency in achieving its quality objectives are contributed by identifying, understanding and managing all interrelated processes as a system

Continual improvement: One of the major permanent quality objectives of our company is the continual improvement of its overall performance

Decision making: Making decisions in any critical phase of providing services, is realized by taking into account all information and weighing them up based on our vast experience and logic. Information consist of reviews (services, surveys), inspections, process measurement, competition, market knowledge and customer satisfaction ratings.

Mutually beneficial co-operate relationships: A mutually beneficial relationship has developed between our company and its co-operates, providing us the possibility of constant improvement

All the above are common knowledge of our employees, gained through long-term co-operation and variety of services provided. Quality Control concerns indicatively:

- Thorough proofing of each deliverable before final submission,
- Reviewing of each service,
- "Client's" opinion, namely the view of the Contracting Authority on the quality of the design / service.
- The constant involvement of the "Leader" throughout the service provision stages.

Areas of Specialization

Implementation of an Integrated Solid Waste Management Systems

Development of Solid Waste Management Plans (local / regional)

Elaboration of Feasibility study and Cost – Benefit Analysis study for SWM projects

Preparation of Environmental Impact Assessment study for environmental projects (including solid waste facilities: sanitary landfills, waste treatment facilities, sorting facilities, waste transfer stations)

Preparation of all engineering documents i.e. designs, drawings, bill of quantities, technical specifications and tender documents for environmental projects (including solid waste facilities: sanitary landfills, waste treatment facilities, sorting facilities, waste transfer stations, landfills/ dumpsites restoration.

Design of Solid Waste facilities (sanitary landfills, waste treatment facilities, sorting facilities, waste transfer stations, landfills / dumpsites restoration)

Supervision of Solid Waste facilities (sanitary landfills, waste treatment facilities, sorting facilities, waste transfer stations, landfills / dumpsites restoration)

Provision of Technical Assistance at central and/or local administration level in SWM sector

Capacity building/institutional strengthening in the waste management sector

Projects

The company **“I. Frantzis & Associates Ltd.”** was established in 1997, continuing the individual environmental consulting activities of the managing director Ioannis Frantzis. Below you will find a list with some of the most important projects that the Company has completed or/and is currently managing.

PROJECT: TECHNICAL CONSULTANT SERVICES FOR THE ENVIRONMENTAL AUTHORISATION OF THE INTEGRATED SOLID WASTE MANAGEMENT SYSTEM OF RHODES ISLAND.

LOCATION: RHODES, GREECE

CLIENT: MUNICIPALITY OF RHODES, 2016 - 2018

PROJECT: TECHNICAL ADVISOR FOR THE MATURATION OF PROJECT: MUNICIPAL WASTE TREATMENT FACILITY AND A RESIDUES LANDFILL SITE IN ZAKYNTHOS ISLAND, GREECE. UNDER THE FRAMEWORK OF THE REGIONAL OPERATION PROGRAM WESTERN GREECE – PELOPONNESE – IONIAN ISLANDS 2007-2013

LOCATION: ZAKYTHOS, GREECE

CLIENT: REGION OF IONIAN ISLANDS, 2016-2018

PROJECT: TECHNICAL CONSULTANT SERVICES FOR THE IMPLEMENTATION OF THE LOCAL WASTE MANAGEMENT PLAN OF THE MUNICIPALITY OF HERAKLION

LOCATION: HERAKLION CRETE, GREECE

CLIENT: MUNICIPALITY OF HERAKLION, 2016-2017

PROJECT: “LOCAL SOLID WASTE MANAGEMENT PLAN FOR THE MUNICIPALITY OF MEGARA”.

LOCATION: MEGARA – ATTICA REGION, GREECE

CLIENT: MUNICIPALITY OF MEGARA, 2015

PROJECT: “DESIGN OF THE TRANSFER STATION IN THE CITY OF ATHENS”.

LOCATION: ATHENS, GREECE

CLIENT: MET.KA.SA, 2014

PROJECT: "ENVIRONMENTAL STUDY FOR THE PROJECT: "GASIFICATION UNIT IN HERSONISSOS LANDFILL".

LOCATION: CHERSONISSOS - CRETE, GREECE

CLIENT: 2014

PROJECT: "TECHNICAL ADVISOR FOR THE FOUR PPP SWM PROJECTS".

LOCATION: ATHENS, GREECE

CLIENT: REGIONAL AUTHORITY OF ATTICA, 2013-2014

PROJECT: DESIGN OF THE LANDFILL SITE AND WASTE TREATMENT PLANT AT DURRES DISTRICT, INVITATION ON CONCESSION BY THE MINISTRY OF ENVIRONMENT AND MINISTRY OF TRANSPORT AND INFRASTRUCTURE OF ALBANIA

LOCATION: DURESS, ALBANIA

CLIENT: FUSHE KRUAJ CEMENT FACTORY, 2014

PROJECT: TECHNICAL ADVISOR FOR THE PPP WASTE TREATMENT PLANT FOR THE REGION OF EAST MACEDONIAN & THRACE

LOCATION: ALEXANDROUPOLIS, EVROS, GREECE

CLIENT: CITY OF ALEXANDROUPOLIS, 2013-2015

PROJECT: TECHNICAL ADVISOR FOR UPDATING THE DESIGN OF THE LANDFILL SITE OF THE CITY OF ALEXANDROUPOLIS

LOCATION: ALEXANDROUPOLIS, EVROS, GREECE

CLIENT: CITY OF ALEXANDROUPOLIS, 2014

PROJECT: DESIGN OF THE WASTE TREATMENT PLANT THROUGH A PPP QUOTATION FOR THE REGION OF EPIRUS

LOCATION: IOANNINA, EPIRUS, GREECE

CLIENT: TOXOTIS SA, 2014

PROJECT: TECHNICAL ADVISOR TO THE MINISTRY OF INTERIOR FOR THE CONSTRUCTION OF THE WASTE TREATMENT PLANT AND THE LANDFILL SITE IN NICOSIA DISTRICT

LOCATION: NICOSIA, CYPRUS

CLIENT: MINISTRY OF THE INTERIOR OF CYPRUS, 2010-2015

PROJECT: UPDATING OF THE REGIONAL SWM PLAN IN PELOPONNESE

LOCATION: TRIPOLI, GREECE

CLIENT: REGIONAL AUTHORITY OF PELOPONNESE 2014

PROJECT: TECHNICAL ADVISOR FOR THE INTEGRATED SOLID WASTE MANAGEMENT SYSTEM FOR THE REGION OF EAST MACEDONIA & THRACE

LOCATION: REGION OF EAST MACEDONIA & THRACE, GREECE

CLIENT: REGIONAL AUTHORITY OF EAST MACEDONIA & THRACE, 2006-2013

PROJECT: DESIGN OF THE WASTE TREATMENT PLANT THROUGH A PPP QUOTATION FOR THE COUNTY OF SERRES

LOCATION: SERRES, GREECE

CLIENT: TERNA ENERGY SA, 2013

PROJECT: DESIGN FOR THE RESTORATION AND LANDFILL GAS EXPLOITATION OF AL GHABAWI DUMP SITE IN AMMAN

LOCATION: GHABAWI, JORDAN

CLIENT: J/V KONSTANTINIDIS SA – HELECTOR SA, 2012-2014

PROJECT: DESIGN OF THE INTEGRATED SOLID WASTE MANAGEMENT SYSTEM FOR THE REGION OF WEST MACEDONIA THROUGH A PPP QUOTATION

LOCATION: KOZANI, GREECE

CLIENT: TERNA ENERGY SA, 2012

PROJECT: **MANUAL FOR THE BIODEGRADABLE WASTE SEPARATION AT SOURCE, DRAFTING OF THE LEGAL FRAMEWORK & STANDARDISATION OF THE CONTROL PROCEDURES**

LOCATION: ATHENS, GREECE

CLIENT: MINISTRY OF ENVIRONMENT., 2011

PROJECT: **DESIGN OF THE WASTE TREATMENT PLANT AND THE LANDFILL SITE FOR THE WEST PART OF THE REGION OF EAST MACEDONIA & THRACE, CAPACITY OF 210.000 TPY**

ITEMS: ENVIRONMENTAL IMPACT ASSESSMENT AND APPROVAL. COST / BENEFIT ANALYSIS ON TECHNOLOGY SELECTION. DESIGN OF THE LANDFILL SITE AND TENDER DOCUMENTS FORMATION. CONCEPTUAL DESIGN OF THE WASTE TREATMENT PLANT AND TENDER DOCUMENTS FORMATION

LOCATION: KAVALA, GREECE

CLIENT: REGIONAL AUTHORITY OF EAST MACEDONIA & THRACE, 2012

PROJECT: **DESIGN OF THE LANDFILL SITE OF SOUTH RHODES**

LOCATION: RHODES, GREECE

CLIENT: EGNATIA SA, 2010

PROJECT: **EIA AND DESIGN OF THE PRE-SORTED ORGANIC WASTE COMPOSTING FACILITY IN WEST ATTICA**

LOCATION: ATTICA, GREECE

CLIENT: ASSOCIATION OF MUNICIPALITIES OF ATTICA, 2009-2010

PROJECT: **PARTICIPATION IN THE DESIGN QUOTATION OF THE MBT PLANT IN SANTINATA, BULGARIA**

LOCATION: SANTINATA, BULGARIA

CLIENT: HELECTOR SA, 2009