



COMPANY PROFILE

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1. OUR COMPANY

Since its foundation in 1983, ASPROFOS Engineering S.A. has successfully established itself as the largest engineering consultancy company in Greece providing its specialized services for Oil, Gas, Petrochemical and large infrastructure projects.

The company started as a joint venture between Hellenic Aspropyrgos Refinery and Foster Wheeler Italiana and since then has been actively involved in most of the large energy infrastructure projects which have been implemented in Greece by providing a variety of services such as basic engineering, FEED, detailed engineering, project management and construction supervision. These projects include: the Greek Natural Gas Transmission System and LNG receiving terminal, modernization, expansion and upgrade of the Aspropyrgos, Thessaloniki and Elefsina refineries respectively, the construction of a polypropylene plant, fuel pipelines in Greece and FYROM, a 390 MW HELPE power plant in Thessaloniki and many more.

ASPROFOS belongs to HELLENIC PETROLEUM (HELPE), a leading Group of companies in the energy sector of Southeastern Europe. Founded in 1998, HELPE is a dynamic vertically integrated energy Group of companies committed to sustainable development. The Company has played an integral role in supporting HELPE in all of its various investment programs – revamps, modernization, new units, maintenance (shut – downs) etc. - by providing a wide range of engineering, project management and other related consultancy services.

Asprofos effectively carries out all aspects of small or large scale oil, gas and infrastructure projects from the phase of the initial conceptual design and pre-feasibility studies down to final design implementation and construction supervision.

Asprofos Engineering S.A. is based in Athens, Greece.

For more information, please visit our web site at: www.asprofos.gr

2. MISSION, VISION AND VALUES

MISSION

To deliver cost effective engineering solutions internationally, while providing high quality services that exceed our customers' expectations.

VISION

As a recognized engineering leader in the oil and gas industry in Greece, our vision is to further expand into new markets. Being a reputable engineering leader in our field, we will deliver competitive and quality services by applying technically advanced engineering practices in order to achieve project execution excellence.

STRATEGY

ASPROFOS' strategy is to focus on the following:

- **Quality:** always deliver top quality services
- **Cost:** deliver our services at competitive costs
- **Customer focus:** nurture long – term relationships with our customers
- **Dependability:** ensure that our services will be delivered on time

3. CORE VALUES

Our core values define who we are as a corporate entity. To this extent, we always strive to reflect these values throughout our day-to-day activities and interrelations between our employees, clients and partners. The fundamental beliefs listed below guide our behaviour and actions and ultimately shape our corporate culture.

○ Committing to **QUALITY**

We provide high quality engineering consulting services to our clients. We are therefore committed to complying with our quality assurance policy and ensuring that it is implemented and maintained throughout all aspects of the company's operations.

○ Delivering **CUSTOMER SATISFACTION**

Focusing on understanding and meeting the specific needs of each customer are key factors in achieving our aim to creating mutually beneficial long term relations.

○ Encouraging **LEADERSHIP** among our employees

Competent professional engineers effectively integrate and apply advanced technology, innovative practices and sound business management in all projects. Our employees are responsible for their actions.

○ Acting with **INTEGRITY** in all we do

Commitment to professional, ethical and legal standards during all aspects of business conduct and decision-making foster transparency and trust within a team that cooperates to achieve optimum performance.

○ Valuing our **PEOPLE**

A safe and healthy work environment for our people is our priority. We treat our individuals with the utmost respect and seek to inspire growth and motivation through continuous on-the-job training so that our employees may reach their full potential and evolve both as individuals and professionals.

4. QUALITY CERTIFICATES

At ASPROFOS we are committed to complying with our company's quality assurance policy. By implementing all quality measures, we are continuously improving our procedures, activities, as well as the services we offer. Our ultimate objective is to deliver high quality, cost effective engineering solutions which enhance our customers' satisfaction.

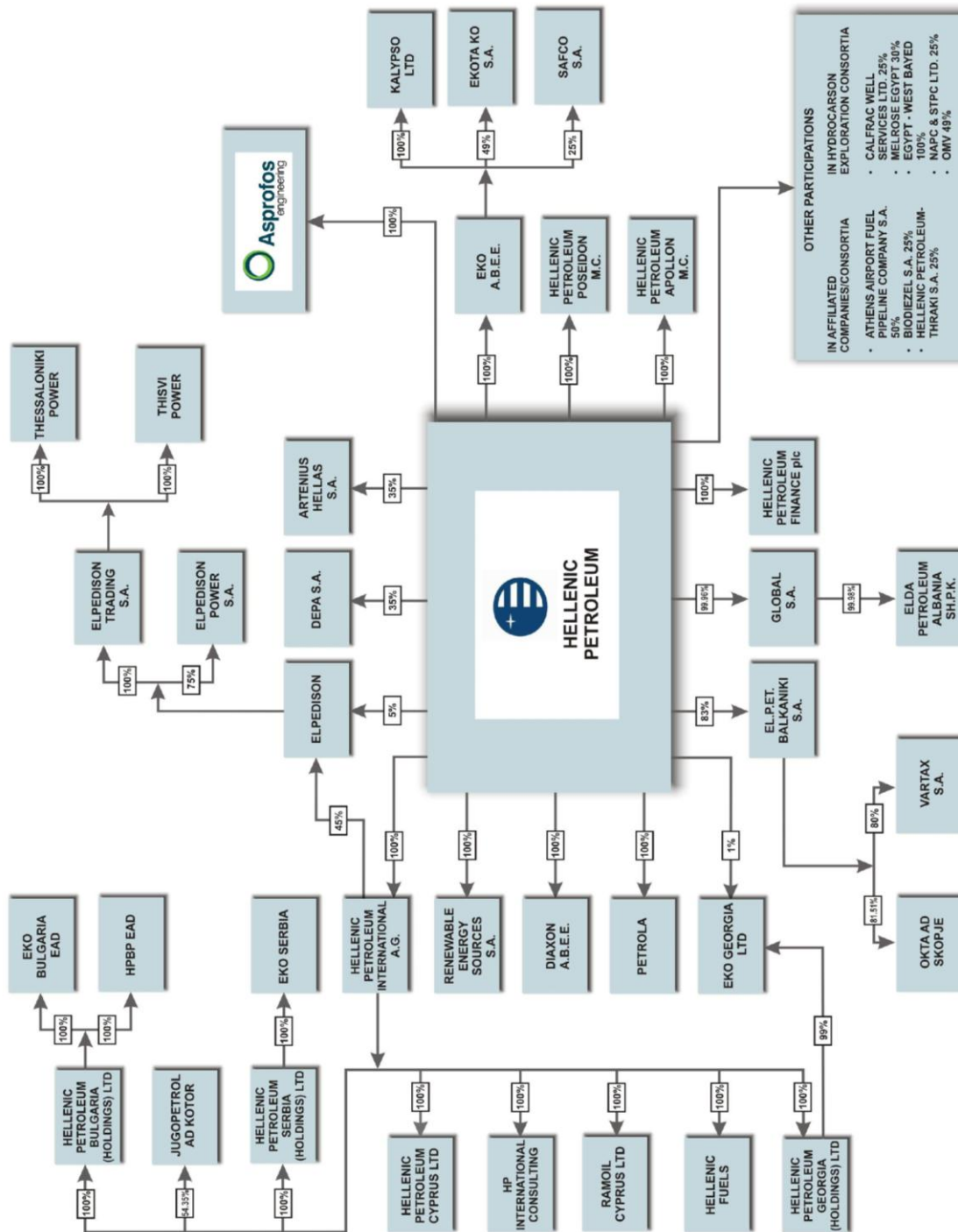
ASPROFOS is certified according to the following Quality Standards:

- BS EN ISO 9001:2008 for Quality Management System
- ELOT 1429:2008 for Managerial Capability System
- BS EN ISO 14001:2004 for Environmental Management System
- OHSAS 18001:2007 for Occupational Health & Safety Management System
-



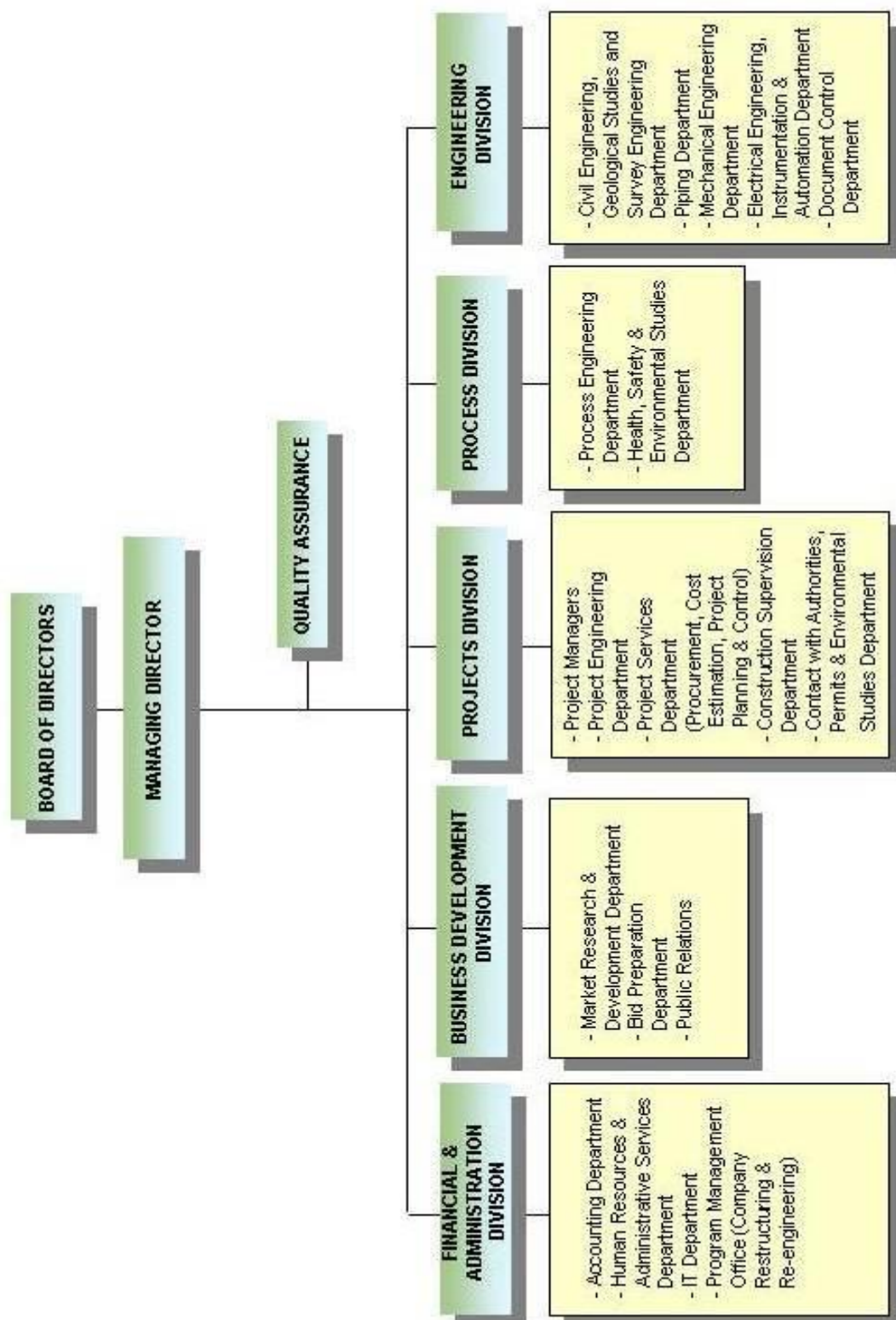
ORGANIZATION CHART

HELLENIC PETROLEUM S.A. GROUP OF COMPANIES



5. ORGANIZATION CHART

ASPROFOS ENGINEERING S.A.



6. FIELDS OF ACTIVITY

ASPROFOS is capable of rendering services to satisfy the needs and requirements of investors in the following sectors:

○ Petroleum Refining	○ Power Plants
○ Oil and Gas Pipelines	○ Electricity Transmission Lines
○ Natural Gas Systems	○ District Heating Systems
○ Gas Processing	○ Energy Saving
○ Plant Revamping	○ Environmental Engineering
○ Chemicals and Petrochemicals	○ Waste Water Treatment

ASPROFOS employs modern techniques in basic design, detailed engineering and project management. The Company can deliver a wide variety of complex industrial and other technical projects. Services rendered encompass:

○ Process Studies and Basic Design	○ Assistance in Commissioning & Start-Up
○ FEED	○ Projects delivered on a turn-key basis
○ Detailed Engineering	○ Project Management
○ Procurement Services	○ Consulting
○ Construction Management and Supervision	○ Feasibility Studies, Refinery scheme evaluation and selection studies, and Technology Evaluation

ASPROFOS typically offers the following services to the market:

○ CONSULTING

Engineering consulting, energy pricing and systems development, materials and plant inspection and audit, fuel markets, fuel transport, problem solving, maintenance and storage organization and handling, support to industries by experienced specialists.

○ FEASIBILITY STUDIES AND TECHNOLOGY EVALUATION

Complete feasibility studies for plants, equipment and businesses, technology evaluation and assessment, assistance in selecting appropriate technology.

○ BASIC (PROCESS) DESIGN, SAFETY AND ENVIRONMENTAL STUDIES

Process engineering particularly for non-propriety design plants, solution of well defined process problems, safety studies, risk analysis, HAZOPs, environmental impact and relevant studies and analyses.

6. FIELDS OF ACTIVITY

○ DETAILED ENGINEERING SERVICES AND FOLLOW-UP

Detailed engineering and follow up services for machinery, technological equipment, electrical installations, field and plant instrumentation, control room engineering, control data acquisition and safety systems, piping engineering, design and drafting, stress analysis of pipes, plant and equipment, material specifications and take-off, civil engineering works and infrastructure, land survey works.

○ PROJECT MANAGEMENT AND CONSTRUCTION SUPERVISION

Project management of small, medium and large projects and construction supervision services, preparation of tender documents, procurement, inspection coordination and expediting, project control, cost estimating, contract administration and quality control services. Project management of large industrial & infrastructure projects.

○ COMMISSIONING AND START-UP ASSISTANCE

Support during commissioning and start-up of plants and operators training

7. OUR PERSONNEL

ASPROFOS is currently staffed with 196 skilled and experienced employees and collaborators, capable of providing a full range of services to the energy industrial market.

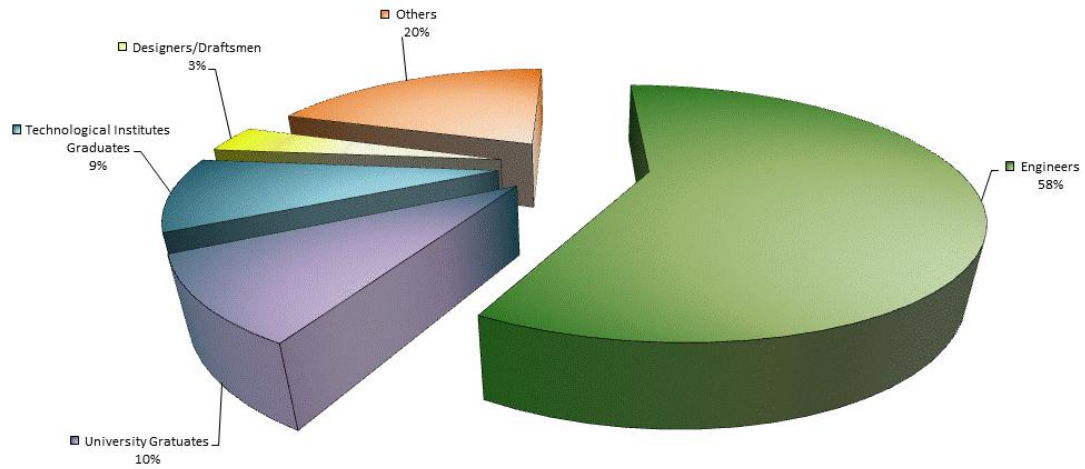
Over 76% of the above personnel are comprised of University and Technological Institute Engineers, University Graduates of various specialties, as well as qualified designers and draftsmen.

The specialties of the ASPROFOS personnel are as follows:

Engineers (113)	Chemical, Mechanical, Electrical, Civil, Survey, Mining, Metallurgical, Naval, Informatics and Architectural Engineering.
University Graduates (19)	Chemists, Geologists, Foresters, Mathematicians, Lawyers, Economists, Philologists, Computer Scientists, Environmentalists.
Technological Institutes Graduates (18)	Electrical, Electronic, Mechanical, Civil, Survey, Naval Engineers, Accountants, Economists, Environmentalists.

Asprofos has developed a human resource data bank pool from Greece and other European countries to cover peak demands of projects undertaken.

7. OUR PERSONNEL



■ Engineers ■ University Graduates ■ Technological Institutes Graduates ■ Designers/Draftsmen ■ Others

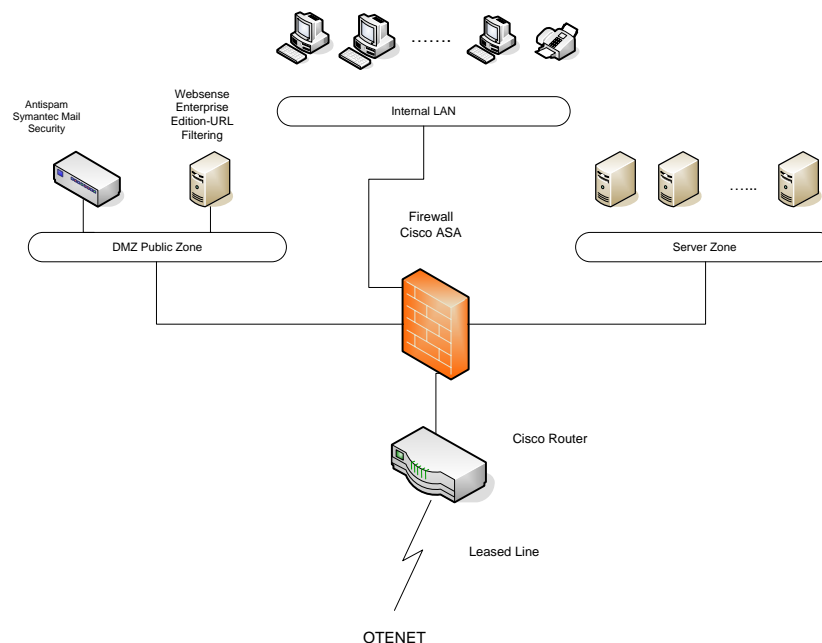
8. COMPUTER SYSTEM INFRASTRUCTURE

HARDWARE INFRASTRUCTURE & SPECIALIZED SOFTWARE

Asprofos relies on a Fast Ethernet Local Area Network, and structured cabling for the monitoring / execution of its projects as well as for the internal administrative system's information gathering, monitoring, recording and reporting needs. The equipment used to support the company's operations in its central offices is as follows:

HARDWARE INFRASTRUCTURE	
<ul style="list-style-type: none">○ 1 Cisco Router for Internet connection○ 1 Cisco ASA Firewall○ 1 Symantec Mail Security Appliance (Anti-Spam)○ 24 Switches○ 14 Servers○ 1 UPS for the uninterrupted power supply to the servers.○ 232 PCs	<ul style="list-style-type: none">○ 77 printers○ 9 All-in-One machines (Fax-Scanner-Printer-Photocopy)○ 3 Plotters○ 16 photocopy machines○ 1 computerized electrostatic design reproduction system○ 1 digital telephone system○ Video Conference Station

The network topology is shown in the following figure:



8. COMPUTER SYSTEM INFRASTRUCTURE

HARDWARE INFRASTRUCTURE & SPECIALIZED SOFTWARE

SPECIALIZED SOFTWARE			
NAME	PRODUCER	DESCRIPTION	DEPARTMENT USED IN
PIPELINE STUDIO	ENERGY SOLUTIONS	STEADY STATE AND TRANSIENT GAS & LIQUID NETWORK SIMULATOR	PROCESS
DESIGN II	WINSIM	STEADY STATE PROCESS SIMULATOR	PROCESS
FATHOM	AFT	PIPE FLOW ANALYSIS SYSTEM	PROCESS
ASPEN FLARE SYSTEM ANALYSER	ASPEN TECH	FLARE AND BLOWDOWN SYSTEMS SIMULATOR	PROCESS
ASPEN HYSYS	ASPEN TECH	PROCESS MODELING TOOL FOR CONCEPTUAL DESIGN, OPTIMIZATION, BUSINESS PLANING, ASSET MANAGEMENT, AND PERFORMANCE MONITORING FOR OIL & GAS PRODUCTION, GAS PROCESSING, PETROLEUM REFINING, AND AIR SEPARATION INDUSTRIES	PROCESS
ASPEN SHELL & TUBE EXCHANGER	ASPEN TECH	THERMAL DESIGN SOFTWARE FOR DETAILED SIMULATION AND OPTIMIZED DESIGN OF SHELL AND TUBE HEAT EXCHANGERS	TECHNOLOGICAL
ASPEN SHELL & TUBE MECHANICAL	ASPEN TECH	MECHANICAL DESIGN OR RATING OF SHELL AND TUBE HEAT EXCHANGERS AND BASIC PRESSURE VESSELS SOFTWARE	TECHNOLOGICAL
ASPEN IN-PLANT COST ESTIMATOR	ASPEN TECH	ESTIMATING, COST TRACKING AND REPORTING SYSTEM	COST ESTIMATION
COMPRESS	CODEWARE	PRESSURE VESSELS CALCULATION	TECHNOLOGICAL
TANK	COADE	DESIGN, ANALYSIS AND EVALUATION OF WELDED STEEL OIL STORAGE TANKS	TECHNOLOGICAL
CAESAR II	COADE	PIPE STRESS ANALYSIS	STRESS
ANSYS	ANSYS	STRUCTURAL SIMULATION SOFTWARE	CIVIL
ETABS NONLINEAR	CSI HELLAS	INTEGRATED ANALYSIS, DESIGN AND DRAFTING OF BUILDING SYSTEMS AND ADDITIONAL CUSTOM APPLICATIONS FOR NONLINEAR ANALYSIS	CIVIL
ETABS PLUS	CSI HELLAS	INTEGRATED ANALYSIS, DESIGN AND DRAFTING OF BUILDING SYSTEMS	CIVIL
SAFE FOR ETABS	CSI HELLAS	INTEGRATED DESIGN OF FLAT SLABS, FOUNDATION MATS & SPREAD FOOTINGS	CIVIL
EC PRAXIS FOR ETABS	CSI HELLAS	STEEL CONNECTION AND COMPOSITE BEAM DESIGN ACCORDING TO EC FOR ETABS	CIVIL

8. COMPUTER SYSTEM INFRASTRUCTURE

HARDWARE INFRASTRUCTURE & SPECIALIZED SOFTWARE

SPECIALIZED SOFTWARE			
NAME	PRODUCER	DESCRIPTION	DEPARTMENT USED IN
STEREOSTATIKA	CSI HELLAS	STATIC AND DYNAMIC ANALYSIS AND DESIGN OF REINFORCED CONCRETE BUILDINGS	CIVIL
PROSTEEL 3D	BENTLEY	3D MODELING FOR STRUCTURAL STEEL AND METAL WORK SUPPORTING CONSTRUCTION AND PLANNING TASKS	CIVIL
INSTANT	COMPUTER CONTROL	STEEL STRUCTURAL DESIGN	CIVIL
FAGUS / CEDRUS / CEDRUS+ / STATIC	CUBUS HELLAS	GEOTECHNICAL SLOPE STABILITY STUDIES	CIVIL
FESPA	LH ΛΟΓΙΣΜΙΚΗ	CALCULATION AND DESIGN OF STRUCTURAL WORK	CIVIL
B-MAPS	B-LOGICA	CALCULATES THE OBJECTIVE VALUE OF ANY PROPERTY	CIVIL
CIVIL LT ΠΟΛΗ	CIVILTECH	BUILDING PERMITS PROCEDURE (ENGINEERS FEES ETC.)	CIVIL
CADWARE	ART	ARCHITECTUAL DESIGN SOFTWARE, BASED ON AUTOCAD	CIVIL
4M (FINE - ADAPT F/CALC)	4M	ELECTROMECHANICAL INSTALLATIONS PACKAGE FOR BUILDINGS	CIVIL/ELECTRICAL/ MECHANICAL
DAPPER	SKM	SHORT CIRCUIT CALCULATION SELECTIVITY STUDY	ELECTRICAL
CAPTOR	SKM	CALCULATION OF CABLE PULLING TENSION	ELECTRICAL
AUTOCAD	AUTODESK	DRAFTING TOOL	COMPANY WIDE
AUTOCAD MAP 3D	AUTODESK	3D MAPPING SOFTWARE FOR CREATING AND MANAGING SPATIAL DATA AND BRIDGES THE GAP BETWEEN CAD AND GIS SHAPE FILES PROCESSING	PERMITS AND CONTACTS WITH AUTHORITIES / TOPOGRAPHICAL
AUTOCAD ARCHITECTURE	AUTODESK	ARCHITECTURAL DRAFTING TOOL WITH A FAMILIAR AUTOCAD SOFTWARE - BASED WORKING ENVIRONMENT	PERMITS AND CONTACTS WITH AUTHORITIES / DCC
PHOTOSHOP	ADOBE	PROFESSIONAL IMAGE - EDITING, GRAPHIC DESIGN, IMAGE MANIPULATION, PHOTO RESTORATION, DIGITAL ILLUSTRATION	PERMITS AND CONTACTS WITH AUTHORITIES
COREL DRAW	COREL	GRAPHIC DESIGN SOFTWARE, PHOTO EDITING, PHOTO PAINT FOR PHOTO EDITING, POWERTRACE, CAPTURE	PERMITS AND CONTACTS WITH AUTHORITIES

8. COMPUTER SYSTEM INFRASTRUCTURE

HARDWARE INFRASTRUCTURE & SPECIALIZED SOFTWARE

SPECIALIZED SOFTWARE			
NAME	PRODUCER	DESCRIPTION	DEPARTMENT USED IN
ADVANCED TIFF EDITOR	GRAPHIC REGION DEVELOPMENT	TIF (TIFF), FAX, PDF, DCX, EPS, PS, AI, GIF, JBIG AND DICOM VIEWER, EDITOR AND CONVERTER, OFFERS A FULL SOLUTION FOR VIEWING, EDITING, PRINTING DRAWING, SAVING, CONVERTING	PIPING
ACROBAT PROFESSIONAL	ADOBE	CEATE, COMBINE AND CONTROL ADOBE PDF DOCUMENTS FOR EASY, MORE SECURE DISTRIBUTION, COLLABORATION AND DATA COLLECTION	DCC/ SECRETARY
OCR ABBYY FINE READER	ABBY	OCR SOFTWARE FOR TEXT RECOGNITION AND CREATING EDITABLE AND SEARCHABLE ELECTRONIC FILES FROM SCANNED PAPER DOCUMENTS, PDFs AND DIGITAL PHOTOGRAPHS	SECRETARY
PDS 3D	INTERGRAPH	PDS IS A COMPREHENSIVE, INTELLIGENT COMPUTER-AIDED DESIGN/ENGINEERING (CAD/CAE) APPLICATION FOR PLANT DESIGN, CONSTRUCTION AND OPERATIONS	PIPING / CIVIL / MTO / STRESS
SMART PLANT REVIEW	INTERGRAPH	VISUALIZATION ENVIRONMENT FOR INTERACTIVELY REVIEWING AND ANALYZING LARGE, COMPLEX 3D MODELS OF PROCESS AND POWER PLANTS	PIPING / CIVIL / MTO / STRESS
SMARTSKETCH	INTERGRAPH	DRAWING AND DIAGRAMMING APPLICATION	PIPING / CIVIL
MICROSTATION	BENTLEY	DRAFTING TOOL	PIPING / CIVIL / MTO / STRESS
GGAD - GGTOP	G. G.	SURVEYING CALCULATIONS	TOPOGRAPHICAL
INSTRUCALC	GULF PUBLISHING COMPANY	INSTRUMENTS SIZING AND DATA PREPARATION	INSTRUMENT
PRIMAVERA ENTERPRISE	PRIMAVERA	PROJECT MANAGEMENT / PROJECT CONTROL / PROJECT PLANNING	PROJECT CONTROL
e CM PROCOST	AC&E	PRICE ADJUSTMENT/COST ESTIMATION	COST ESTIMATION
HR MASTER	LAVISOF	PERSONNEL RECORDS, PAYROLL MASTER, TIME MASTER	ADMINISTRATION
ERMIS	LAVISOF	FINANCE, SALES, BUDGET, ASSETS	FINANCIAL

9. LIST OF CLIENTS

HELLENIC PETROLEUM GROUP	
<ul style="list-style-type: none"> ○ HELLENIC PETROLEUM – ASPROPYRGOS, THESSALONIKI & ELEFSIS REFINERIES ○ EKO – ELDA INDUSTRIAL AND COMMERCIAL PETROLEUM S.A. ○ JUGOPETROL A.D. KOTOR ○ DIAXON S.A. 	<ul style="list-style-type: none"> ○ EL.PE.T-BALKANIKI S.A. ○ ELPET–THRAKI S.A. ○ OKTA CRUDE OIL REFINERY A.D., FYROM ○ HELLENIC PETROLEUM INTERNATIONAL AG ○ GLOBAL PETROLEUM ALBANIA SH.A
OTHER STATE OWNED ENTERPRISES	
<ul style="list-style-type: none"> ○ HELLENIC STEEL ○ HELLENIC AEROSPACE INDUSTRY (HAI) S.A. ○ GREEK INDUSTRIAL DEVELOPMENT BANK (ETVA) ○ ATHENS AIRPORT S.A. ○ NATIONAL PHARMACEUTICAL COMPANY ○ GREEK POWDER AND CARTRIDGE COMPANY ○ OLYMPIC AIRWAYS ○ TRAM S.A. 	<ul style="list-style-type: none"> ○ ATHENS – PIRAEUS ELECTRIC BUSES ○ THERMAL BUS COMPANY OF ATHENS ○ HELLENIC INDUSTRIAL AND MINING COMPANY (ELEVME) ○ PPC RENEWABLES S.A. ○ PUBLIC COMPANY FOR THE CONSTRUCTION OF HEALTHCARE FACILITIES (DEPANOM) S.A. ○ HELLENIC ACCREDITATION SYSTEM (ESYD) S.A.
GREEK UTILITIES COMPANIES	
<ul style="list-style-type: none"> ○ PUBLIC POWER CORPORATION (PPC) ○ HELLENIC GAS TRANSMISSION SYSTEM OPERATOR (DESFA) ○ PUBLIC GAS CORPORATION (DEPA) ○ ATHENS WATER SUPPLY AND SEWERAGE COMPANY (EYDAP) 	<ul style="list-style-type: none"> ○ NATURAL GAS DISTRIBUTION COMPANY OF ATTICA (EPA ATTIKIS) ○ NATURAL GAS DISTRIBUTION COMPANY OF THESSALONIKI (EPA THESSALONIKIS) ○ NATURAL GAS DISTRIBUTION COMPANY OF THESSALIA (EPA THESSALIAS)

9. LIST OF CLIENTS

MINISTRIES AND PUBLIC SECTOR AUTHORITIES	
<ul style="list-style-type: none"> ○ MINISTRY OF ECONOMY AND FINANCE ○ MINISTRY OF ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS ○ MINISTRY OF TRANSPORT AND COMMUNICATIONS ○ MINISTRY OF DEVELOPMENT ○ MINISTRY OF DEFENCE ○ GENERAL SECRETARIAT OF OLYMPIC GAMES 2004 ○ GENERAL SECRETARIAT OF R & D 	<ul style="list-style-type: none"> ○ REGULATORY AUTHORITY FOR ENERGY (RAE) ○ GENERAL SECRETARIATS OF 13 GREEK ADMINISTRATIVE REGIONS ○ EUROPEAN UNION ○ UNIVERSITY OF THESSALONIKI ○ MUNICIPALITY OF PTOLEMAIS ○ MUNICIPALITY OF KEFALONIA ○ MUNICIPALITY OF VRONTADOS, CHIOS ○ MUNICIPALITY OF VOLOS
CONSTRUCTION COMPANIES	
<ul style="list-style-type: none"> ○ J & P INTERNATIONAL S.A. ○ TECHNIKI ENOSIS S.A. ○ ERGOTEM S.A. ○ METKA S.A. 	<ul style="list-style-type: none"> ○ ETEP S.A. ○ GHIZZONI HELLAS S.A. ○ BOKAT S.A.
FOREIGN COMPANIES	
<ul style="list-style-type: none"> ○ INA, CROATIA ○ MTMM, KSA ○ FOSTER WHEELER ITALIANA ○ BROWN & ROOT, U.K. ○ ILF CONSULTING ENGINEERS, GERMANY ○ TECHNIP S.A., ITALY ○ C.C.I.C.L. ○ TELEPLAN S.A. ○ PETROLEUM INDUSTRY OF SERBIA, NIS – OIL REFINERY OF PANCEVO ○ CHROME OIL SERVICES LTD., NIGERIA ○ E.ON NEW BUILD & TECHNOLOGY GMBH ○ VTTV ○ STROYTRANSNGAZ PROMETHEUS 	<ul style="list-style-type: none"> ○ PETROCONSULT SRL, ROMANIA ○ KBC, U.K. ○ BURNS & MCDONNELL, U.S.A. ○ NATIONAL PETROLEUM COMPANY, JORDAN ○ PROJECT PETROL LTD., CYPRUS ○ CYPRUS'S REGULATORY AUTHORITY FOR ENERGY ○ ELECTRICITY AUTHORITY OF CYPRUS ○ CYPRUS TRANSMISSION SYSTEM OPERATOR ○ TECON ENGINEERING GMBH ○ ARCHIRODON GROUP NV

9. LIST OF CLIENTS

GREEK PRIVATE COMPANIES	
<ul style="list-style-type: none"> ○ OLYMPIC FUEL COMPANY (O.F.C.) ○ EAKAA S.A. ○ METVA S.A. ○ NITROGENOUS FERTILIZERS COMPANY (AEVAL) ○ EKO-SHELL-BP-MOBIL-TOTAL CONSORTIUM ○ MOBIL OIL HELLAS ○ VIOLEX - BIC ○ INTERCHEM HELLAS S.A. ○ HELLENIC ALUMINA INDUSTRIES S.A. ○ THESSALIKI PULP AND PAPER INDUSTRY ○ CAMBAS, PRODUCTION OF WINES AND LIQUORS ○ INTEMACO S.A. ○ SILVER & BARYTE ORES MINING CO. ○ VIA EGNATIA S.A. ○ PETROLA S.A. ○ TECHNIPETROL HELLAS S.A. ○ ENELCO S.A. ○ TITAN ○ GREEN DEVELOPMENT KILKIS S.A. 	<ul style="list-style-type: none"> ○ THERMIE SERRES S.A. ○ AG PETZETAKIS S.A. ○ PROMETHEUS GAS S.A. ○ GREEN OIL S.A. ○ EVROLAK S.A. ○ OTM LTD. ○ L' AIR LIQUIDE HELLAS S.A. ○ HELLENIC STEEL S.A. ○ PLANET ERNST & YOUNG S.A. ○ TECHNIKI ENOSIS S.A. ○ ERGOTEM S.A. ○ METKA S.A. ○ ETEP S.A. ○ EKME S.A. ○ BWSC HELLAS S.A. ○ TECHNIKI ENERGEIAKI S.A. ○ EXERGIA ○ ALPHA MELETITIKI S.A ○ SYRMA

10. REFERENCE LIST

10.1 NATURAL GAS PROJECTS

10.2 OIL PIPELINE PROJECTS

10.3 PROCESS UNITS

10.4 OFFSITES & INTERCONNECTING FACILITIES

10.5 UTILITY UNITS

10.6 POWER PLANTS

10.7 CONSULTING SERVICES

10.8 OTHER PROJECTS

10. REFERENCE LIST

SYMBOLS EXPLANATION

PM:	Project Management
B:	Basic Design
D:	Detailed Engineering
P:	Procurement Services
C:	Construction Supervision
S:	Supply of equipment and materials
SA:	Assistance for start-up activities
ITL:	Preparation of duty specification and international call for bid for process design, management of bidding, bids evaluation and technology selection
ITD:	Preparation of international call for bid for detailed engineering and construction supervision, management of bidding and bids evaluation
ITST:	Preparation of international call for bid for detailed engineering, procurement and erection on LSTK basis, management of bidding and bids evaluation
ITBST:	Preparation of international call for bid for basic design, detailed engineering, procurement and erection on LSTK basis, management of bidding and bids evaluation
ML:	Management of licensors during basic design
MD:	Management of detailed engineering and construction supervision contractor
MST:	Management of LSTK (detailed engineering, procurement and erection) contractor
MBST:	Management of LSTK (basic design, detailed engineering, procurement and erection) contractor
MBD:	Preparation of duty specification and definition of design basis
ITBD:	Preparation of international call for bid for basic design, detailed engineering, procurement and erection on LSTK basis
MB:	Consultation services during basic engineering
LSTK:	Basic Design, Detailed Engineering, Procurement, and Erection
APC:	Authorities & Permits Coordination
IB:	Compilation of Basic Design Documentation prepared by AF and others to form a complete ITB package



10.1 NATURAL GAS PROJECTS

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
REVIEW OF DETAILED ENGINEERING AND CONSTRUCTION SERVICES FOR THE H.P. N.G. AG. THEODORI TO PPC/ MEGALOPOLI	DETAILED ENGINEERING REVIEW OF H.P.N.G. PIPELINE & CONSTRUCTION SUPERVISION	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	1.949.880	01/06/12	ON GOING
INTEGRATED ENVIRONMENTAL AND SOCIAL IMPACT STUDY OF TRANS ADRIATIC PIPELINE - TAP+ & TAP++	ENVIRONMENTAL IMPACT STUDY SITE SURVEY AND CONTACT WITH AUTHORITIES REGARDING H.P.N.G. PIPELINE	EON NEW BUILD & TECHNOLOGY GmbH ALEXANDER VON HUMBOLDT STRABE 1 45896 GELSENKIRCHEN GERMANY	1.793.585	01/06/12	ON GOING
LOCAL ENGINEER FOR FEED OF TRANS ADRIATIC PIPELINE - TAP+ & TAP++	TECHNICAL CONSULTANT FOR FEED SURVEYING- GEOLOGICAL- GEOTECHNICAL- SUPPORTING ENGINEERING SERVICES	EON NEW BUILD & TECHNOLOGY GmbH ALEXANDER VON HUMBOLDT STRABE 1 45896 GELSENKIRCHEN GERMANY	4.000.000	04/12/12	ON GOING
EIS FOR GREEK SECTION OF IGI POSEIDON	HEALTH SAFETY AND ENVIRONMENTAL STUDIES (AD-HOC), PROJECT MANAGEMENT SERVICES	IGI POSEIDON Info@igi- poseidon.com	143.500	20/12/10	10/01/13
THE 3RD GROUP OF REGULATING AND/OR METERING STATIONS OF NATURAL GAS TRANSMISSION SYSTEM	CONSTRUCTION SUPERVISION OF M.R. STATIONS H.P./M.P.	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	86.000	20/05/10	31/12/12
CONSTRUCTION SUPERVISION OF THE OFFSHORE PART OF THE STEFANI-ALIVERI HP N.G. PIPELINE	CONSTRUCTION MANAGEMENT, CONSTRUCTION SUPERVISION, PROJECT CONTROL SERVICES, PROJECT MANAGEMENT	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	200.000	23/03/12	20/12/12
HIGH PRESSURE NATURAL GAS PIPELINE TO ALIVERI (ONSHORE SECTION)	DETAILED ENGINEERING REVIEW OF H.P.N.G. PIPELINE & CONSTRUCTION SUPERVISION	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	1.479.680	10/05/10	30/11/12

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
ENVIRONMENTAL IMPACT STUDY & RELATED STUDIES FOR 2nd UPGRADE OF LNG TERMINAL OF REVITHOUSA	HEALTH SAFETY AND ENVIRONMENTAL STUDIES (AD-HOC), PROJECT MANAGEMENT SERVICES	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	81.400	15/06/11	31/10/12
FEASIBILITY STUDIES & EIA FOR THE PROJECT N.G.P. POSEIDON	DETAILED DESIGN, BASIC DESIGN, HEALTH SAFETY AND ENVIRONMENTAL STUDIES (AD-HOC), PROJECT MANAGEMENT SERVICES	PUBLIC GAS CORPORATION (DEPA) 92, MARINOU ANTIPA AVE. GR 14121 HERAKLIO	208.080	20/07/08	31/08/11
DETAILED DESIGN FOR THE RE-ROUTING OF MAIN H.P.N.G PIPELINE AT PLATAMONAS	DETAILED DESIGN AND PROJECT MANAGEMENT OF MAIN H.P.N.G PIPELINE	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	120.000	11/10/09	31/05/11
DETAIL DESIGN OF HIGH PRESSURE N.G PIPELINE KIPi (G/T BORDERS) - ALEXANDROUPOLIS-KOMOTINI	BASIC DESIGN, COST & BUDGET ESTIMATION, DRAFTING, FEASIBILITY STUDY, PROJECT CONTROL SERVICES, PROJECT MANAGEMENT, SUBCONTRACTING	PUBLIC GAS CORPORATION (DEPA) 92, MARINOU ANTIPA AVE. GR 14121 HERAKLIO	4.040.401	11/12/02	30/06/10
BASIC DESIGN, SAFETY & SEISMIC STUDY FOR THE ONSHORE PART OF H.P.N.G. PIPELINE STEFANI PPC ALIVERI & ALTERNATIVE ROUTINGS INVESTIGATION	BASIC DESIGN, ENVIROMENTAL, SAFETY & SEISMIC STUDIES OF ONSHORE PART OF H.P.N.G. PIPELINE	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	417.900	01/01/07	30/11/10
STUDY REVIEW OF 9 NEW M/R's	DETAILED DESIGN, CONSTRUCTION SUPERVISION, SUBCONTRACTING AND PROJECT MANAGEMENT OF 9 NEW M/R's	PUBLIC GAS CORPORATION (DEPA) 92, MARINOU ANTIPA AVE. GR 14121 HERAKLIO	1.116.673	19/01/05	30/06/10
C.S. FOR THE PROJECT "D. E.,PROCUREMENT OF MATERIALS & INSTALLATION WORKS FOR THE UPGRADE OF M/R AT AG.TRIADA & A.LIOSIA	CONSTRUCTION SUPERVISION OF THE UPGRADE OF M.R. STATION H.P./M.P.	PUBLIC GAS CORPORATION (DEPA) 92, MARINOU ANTIPA AVE. GR 14121 HERAKLIO	72.844	21/05/07	30/04/10

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
REVIEW OF DETAILED DESIGN & CONSTRUCTION SUPERVISION SERVICES FOR H.P.N.G. PIPELINE AMBELIA-TRIKALA-KARDITSA	DETAILED ENGINEERING REVIEW OF H.P.N.G. PIPELINE & CONSTRUCTION SUPERVISION	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	1.347.536	02/03/07	20/04/10
DETAIL DESIGN REVIEW FOR THE PROJECT "UPGRADE OF STRYMONOXORI STATION"	DETAIL ENGINEERING REVIEW OF THE UPGRADE OF M.R. STATION H.P./M.P.	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	110.170	31/10/06	20/04/10
REVIEW OF BASIC ENGINEERING DESIGN, TOPOGRAPHICAL, CADASTRAL & ENVIRONMENTAL IMPACT STUDIES FOR THE H.P.N.G. PIPELINE MAYR.-DOMVRENA	BASIC DESIGN REVIEW TOPOGRAPHICAL, CADASTRAL & ENVIRONMENTAL IMPACTS STUDIES OF H.P.N.G. PIPELINE	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	785.020	28/01/08	30/09/09
DETAILED ENGINEERING FOLLOW-UP FOR THE GREEK TURKISH BORDER HIGH PRESSURE NATURAL GAS METERING STATION	DETAILED ENGINEERING FOLLOW-UP OF M.R. STATION H.P./M.P.	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	382.878	22/09/05	12/05/09
SUPERVISION OF CONSTRUCTION ACTIVITIES FOR THE GREEK-TURKISH BORDER NATURAL GAS METERING STATION	CONSTRUCTION SUPERVISION AND PROJECT MANAGEMENT OF GREEK-TURKISH BORDER NATURAL GAS METERING STATION	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	360.909	28/06/05	09/01/09
DETAIL ENGINEERING & ENGINEERING/MANAGEMENT SUPPORT SERVICES DURING CONSTRUCTION OF THE NATURAL GAS H.P. TO KORINTHOS & MOTOR OIL	DETAILED ENGINEERING OF H.P.N.G. PIPELINE & ENGINEERING / MANAGEMENT SUPPORT SERVICES	GHIZZONI HELLAS AE	298.500	01/04/06	09/01/09
CONSTRUCTION SUPERVISION OF HIGH PRESSURE N.G PIPELINE KIPi (G/T BORDERS) - ALEXANDROUPOLIS	CONSTRUCTION SUPERVISION OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	940.641	01/07/07	09/01/09
BASIC DESIGN FOR TWO METERING STATIONS AT PPC ALIVERI & MEGALOPOLI	BASIC DESIGN OF M.R. STATION H.P./M.P.	PUBLIC GAS CORPORATION (DEPA) 92, MARINOI ANTIPA AVE. GR 14121 HERAKLIO	115.000	27/12/06	17/09/08

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
PERSONNEL SECONDMENT AT DEPA'S MANAGEMENT SERVICES TO "H.P.N.G. PIPELINE MAURONERI-ANTIKYRA" PROJECT	CONSTRUCTION MANAGEMENT	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	223.274	08/01/07	31/12/07
TRANSADRIATIC PIPELINE- PREPARATION OF ENVIRONMENTAL REPORTS (INVESTIGATION WITH AUTHORITIES & SITE SURVEY)	ENVIRONMENTAL IMPACT STUDY SITE SURVEY AND CONTACT WITH AUTHORITIES REGARDING H.P.N.G. PIPELINE	ILF Consulting Engineers (ILF) Beratende Ingenieure GmbH). Werner-Eckert-Straße 7 81829 Munich, Germany	79.365	03/04/06	31/10/07
BASIC DESIGN E.I.S., SURVEY & SEISMIC STUDIES FOR THE H.P.N.G.PIPELINE STAMATA-PPC ALIVERI	BASIC DESIGN, ENVIRONMENTAL IMPACT STUDY, SEISMIC STUDY AND SITE SURVEY OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	635.596	20/01/06	20/09/07
BASIC DESIGN & ENVIRONMENTAL IMPACT STUDY FOR H.P.N.G. PIPELINE AMPELIA - TRIKALA - KARDITSA	BASIC DESIGN DETAILED DESIGN, ENVIRONMENTAL STUDIES, SUBCONTRACTING & PROJECT MANAGEMENT OF H.P.N.G. PIPELINE AMPELIA - TRIKALA - KARDITSA	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	1.035.882	20/01/06	10/09/07
BASIC DESIGN H.P. PIPELINE BRANCH AT MAVRONERI - ANTIKYRA	BASIC DESIGN OF H.P.N.G. PIPELINE BRANCH	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	168.438	05/08/02	20/08/07
NGTS-H.P.N.G. PIPELINE TO CORINTH AREA BASIC DESIGN	BASIC DESIGN OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	400.233	09/06/04	20/07/07
HOME OFFICE SERVICES & SUPERVISION SERVICESFOR THE PROJECT OF LIGHTNING PROTECTION SYSTEM	DETAILED ENGINEERING & CONSTRUCTION SUPERVISION OF LIGHTNING PROTECTION SYSTEM OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOUE ANTIPA AVE. GR 14121 HERAKLIO	162.767	14/12/03	20/07/07

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
CONSTRUCTION SUPERVISION OF HIGH PRESSURE N.G PIPELINE ALEXANDROUPOLIS-KOMOTINI	CONSTRUCTION SUPERVISION OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	1.010.125	01/01/05	30/06/07
TOPOGRAPHICAL AND CADASTRAL STUDY FOR THE NATURAL GAS PIPELINE TO CORINTHOS & MOTOR OIL	TOPOGRAPHICAL AND CADASTRAL STUDY H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	260.958	01/11/04	31/07/06
SURVEYING & CADASTRAL SERVICES FOR ALEXANDROUPOLI - KIPY PIPELINE	SITE SURVEYING AND CADASTRAL SERVICES OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	243.008	01/07/02	30/06/06
DETAIL DESIGN & CONSTRUCTION SUPERVISION FOR THE PROJECT OF N.G. NETWORK TO HERON INDUSTRY	PROJECT, CONSTRUCTION SUPERVISION AND CONSTRUCTION MANAGEMENT OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	135.000	05/05/04	31/10/05
DETAIL DESIGN OF HIGH PRESSURE N.G PIPELINE KIPY (G/T BORDERS) - ALEXANDROUPOLIS	DETAILED DESIGN OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	767.472	07/11/03	30/12/04
TOPOGRAPHICAL STUDY OF HIGH PRESSURE NATURAL GAS PIPELINE BRANCHES MAYRONERY - ANTIKYRA (ADG)	TOPOGRAPHICAL STUDIES OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	161.001	20/11/02	18/04/04
BASIC DESIGN, SAFETY STUDY & ENVIRONMENTAL STUDY ALEXANDROUPOLI - KIPY	BASIC DESIGN, SAFETY STUDY & ENVIRONMENTAL IMPACT STUDY OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	73.884	10/05/02	31/10/03

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
BASIC DESIGN & SAFETY STUDY KOMOTINI- ALEXANDROUPOLI	BASIC DESIGN & SAFETY STUDY OF H.P.N.G.PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	239.251	01/09/01	31/10/03
SURVEYING & CADASTRAL SERVICES FOR ALEXANDROUPOLIS PIPELINE	SURVEYING & CADASTRAL STUDIES OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	413.212	21/10/01	31/10/03
NATURAL GAS PROJECT - OVERALL PROJECT SERVICES	CONSTRUCTION SUPERVISION ON NUMEROUS H.P.N.G. PIPELINE PROJECTS	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	2.814.945	01/06/95	31/12/02
SLOPE STABILITY STUDY FOR HPBL	SLOPE STABILITY STUDY OF H.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	211.037	11/03/98	31/10/02
CYCLONES INSTALLATION TO PROMAXONAS MAKEDONIA	DETAILED ENGINEERING REVIEW AND CONSTRUCTION SUPERVISION FOR THE INSTALLATION OF CYCLONES	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	110.808	01/10/01	31/08/02
NATURAL GAS PROJECT - M/R STATION PPC LAVRION	BASIC DESIGN, DETAILED DESIGN AND CONSTRUCTION SUPERVISION OF M.R. STATION	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	270.856	01/03/00	31/05/02
NATURAL GAS PROJECT - M/R STATION PPC KOMOTINI	BASIC DESIGN, DETAILED DESIGN AND CONSTRUCTION SUPERVISION OF M.R. STATION	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	241.363	24/02/00	31/05/02

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
NATURAL GAS HIGH PRESSURE NETWORK					
NATURAL GAS PROJECT - M/R STATIONS	BASIC DESIGN, DETAILED DESIGN AND CONSTRUCTION SUPERVISION OF M.R. STATION	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	6.716.796	01/06/95	31/05/02
COMPRESSOR STATIONS					
BASIC DESIGN OF COMPRESSOR STATION AT NEA MESSIMVRIA	BASIC DESIGN OF H.P. COMPRESSOR STATION	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	170.700	30/05/05	20/02/07
REALIZATION OF NEW MESSIMVRIA COMPRESSION STATION, REVIEW OF DETAILED DESIGN & CONSTRUCTION SUPERVISION SERVICES	Detailed Design Review, Construction Supervision, OF H.P. COMPRESSOR STATION	DESFA SA 357-359, MESSOGION AVE. GR 15231 HALANDRI desfa@desfa.gr	2.544.599	19/06/09	31/03/13
MEDIUM PRESSURE NETWORKS 19 bar					
CONSTRUCTION SUPERVISION SERVICES FOR THE MPTS IN DRAMA	CONSTRUCTION SUPERVISION OF M.P. TRANSMISSION SYSTEM	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	282.556	15/11/05	11/08/09
CONSTRUCTION SUPERVISION SERVICES FOR THE MPTS IN THIVA	CONSTRUCTION SUPERVISION OF M.P. TRANSMISSION SYSTEM	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	163.372	15/11/05	09/01/09
SEISMIC STUDY OF MEDIUM PRESSURE PIPELINE BRANCHES	SEISMIC STUDY OF M.P. PIPELINE BRANCHES	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	192.377	18/11/02	20/07/07

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
MEDIUM PRESSURE NETWORKS 19 bar					
GEOLOGICAL AND SEISMIC STUDYS FOR THE M.P.T.S. AT EVIA	GEOLOGICAL AND SEISMIC STUDIES OF M.P. TRANSMISSION SYSTEM	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	113.129	06/07/04	20/07/07
PRELIMINARY STUDY OF EVRIPOS CROSSING OF NATURAL GAS PIPELINE TO ALIVERI	PRELIMINARY STUDYAND COST ESTIMATION OF M.P.N.G. PIPELINE	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	119.672	16/05/05	20/07/07
STUDY OF NG DISTRIBUTION SYSTEM SECTIONS 21,22, HC	BASIC DESIGN, DETAILED ENGINEERING AND PROJECT MANAGEMENT OF N.G. DISTRIBUTION SYSTEM SECTIONS	EPA ATTIKIS 31-33, ATHINON AVE. & SP.PATSI GR 10447, ATHENS tel: +302103406000	135.750	03/10/05	31/07/06
CONSTRUCTION SUPERVISION SERVICES FOR THE MEDIUM AND LOW PRESSURE NG PIPELINE WORKS & FOR DISTRICT REGULATING STATION	CONSTRUCTION SUPERVISION OF M.P. AND L.P. NG PIPELINE WORKS & DISTRICT REGULATING STATION	EPA THESSALONIKIS 90, 28th OKTOBRIOU STR. GR 54627, THESSALONIKI tel: +302310584170	100.718	02/06/03	10/08/04
BASIC DESIGN FOR THE M.P.N.G.PIPELINE TO SOVEL INDUSTRY	BASIC DESIGN,OF M.P.N.G. PIPELINE	EPA THESSALIAS 1, XENOPOLOU GR 41336 LARISSA tel: +302410582300	432.912	04/09/03	30/06/04
BASIC DESIGN FOR 9 NEW MR's	BASIC DESIGN OF 9 NEW M.R. STATIONS H.P./M.P.	PUBLIC GAS CORPORATION (DEPA) 92, MARINO ANTIPA AVE. GR 14121 HERAKLIO	309.358	17/07/02	31/05/04
INTERCONNECTING OF M/R STATIONS OF NATURAL GAS DISTRIBUTION NETWORK OF THESSALONIKI	BASIC DESIGN OF INTERCONNECTING OF N.G. DISTRIBUTIOIN NETWORK	EPA THESSALONIKIS 90, 28th OKTOBRIOU STR. GR 54627, THESSALONIKI tel: +302310584170	247.285	15/02/01	15/04/03

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

PROJECT NAME / DESCRIPTION	TYPE OF SERVICES PROVIDED	CLIENT	VALUE OF CONSULTANCY SERVICES (€)	CONTRACT / AGREEMENT DATE	COMPLETION DATE
MEDIUM PRESSURE NETWORKS 19 bar					
SEISMIC STUDIES FOR MPTS	SEISMIC STUDY OF M.P. TRANSMISSION SYSTEM	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	73.306	20/05/01	20/09/02
ERECTION OF PIPELINES NETWORK OF 19 BAR INTERCONNECTING OF "KOTHALI"	CONSTRUCTION SUPERVISION OF MEDIUM PRESSURE NETWORK OF KOTHALI	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	109.329	25/04/01	31/05/02
ERECTION OF PIPELINES NETWORK OF 19 BAR INTERCONNECTING OF "THRAKI"	CONSTRUCTION SUPERVISION OF MEDIUM PRESSURE NETWORK OF THRAKI	PUBLIC GAS CORPORATION (DEPA) 92, MARINOY ANTIPA AVE. GR 14121 HERAKLIO	134.903	25/04/01	31/05/02

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

LNG TERMINALS						
No	Project Name / Description	Type of Services Provided	Client	Contract/ Agreement Date	Completion Date	Value of Consultancy Services (€)
1	REVIEW OF DETAILED DESIGN & CONSTRUCTION SUPERVISION SERVICES FOR THE 3 rd LNG TANK OF 95.000m ³ AT REVITHOUSSA	DETAILED DESIGN & CONSTRUCTION SUPERVISION	DESFA S.A.	AWARDED		1.002.216
2	ENVIRONMENTAL IMPACT STUDY & RELATED STUDIES FOR 2 nd UPGRADE (INCREASE OF REGASIFICATION RATE AND STORAGE CAPACITY) OF LNG TERMINAL OF REVITHOUSSA	ENVIRONMENTAL IMPACT STUDY, PROJECT MANAGEMENT	DESFA S.A.	Jun-11	Oct-12	81.400
3	PRELIMINARY STUDY OF LNG TERMINAL	2nd UPGRADE (INCREASE OF REGASIFICATION RATE AND AND STORAGE CAPACITY) OF THE INITIAL INSTALLATIONS' EVALUATION	PUBLIC GAS CORPORATION (DEPA)	Sep-08	Sep-09	78.000
4	TECHNICAL SUPPORT SERVICES FOR LNG TERMINAL	BASIC DESIGN, CONSTRUCTION MANAGEMENT, CONSTRUCTION SUPERVISION, COST & BUDGET ESTIMATION, DETAILED ENGINEERING, DRAFTING, FEASIBILITY STUDY, ITB PREPARATION, PROJECT CONTROL SERVICES, PROJECT MANAGEMENT, PURCHASING, SUBCONTRACTING	PUBLIC GAS CORPORATION (DEPA)	Jun-01	Mar-08	137.787
5	BASIC DESIGN & EIAS FOR THE REVITHOUSSA LNG TERMINAL POWER INTEGRATION	BASIC DESIGN, COST & BUDGET ESTIMATION, ENVIRONMENTAL IMPACT STUDY, ITB PREPARATION, PROJECT CONTROL SERVICES, PROJECT MANAGEMENT, PUBLICATION OF SPECS., SUBCONTRACTING	PUBLIC GAS CORPORATION (DEPA)	Jun-04	Jul-07	250.491
6	TECHNICAL EVALUATION FOR THE EXPANSION OF LNG TERMINAL TENDERS	PROJECT MANAGEMENT, TECHNICAL EVALUATION OF TENDERS' DOCUMENTS	PUBLIC GAS CORPORATION (DEPA)	Jan-04	May-05	127.000
7	E.I.S. & SAFETY STUDY FOR THE EXPANSION OF LNG TERMINAL	ENVIRONMENTAL IMPACT STUDY FOR THE EXPANSION OF LNG TERMINAL, PROJECT MANAGEMENT, DRAFTING, REVIEW	PUBLIC GAS CORPORATION (DEPA)	Jun-02	Oct-03	444.275

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

LNG TERMINALS						
No	Project Name / Description	Type of Services Provided	Client	Contract/ Agreement Date	Completion Date	Value of Consultancy Services (€)
8	FRONT END ENGINEERING FOR THE EXPANSION OF LNG TERMINAL	FEED UTILITIES FOR THE EXPANSION OF LNG TERMINAL, PROJECT MANAGEMENT, DESIGN/DRAFTING, PROJECT CONTROL, PUBLICATION OF SPECS	PUBLIC GAS CORPORATION (DEPA)	Sep-02	Oct-03	224.500
9	LNG TERMINAL EXPANDABILITY STUDY & POWER PLANT INSTALLATION	FEASIBILITY STUDY, PROJECT MANAGEMENT, PROJECT CONTROL, COST ESTIMATION	PUBLIC GAS CORPORATION (DEPA)	Jun-01	Jan-02	340.426
10	LNG TANKS (2x65.000m ³)	BASIC DESIGN, DESIGN REVIEW, PROJECT MANAGEMENT, PROJECT CONTROL, SUBCONTRACTING, INSPECTION, CONSTRUCTION MANAGEMENT AND SUPERVISION	PUBLIC GAS CORPORATION (DEPA)	Jun-95	Jan-01	7.161.081
11	CRYOGENIC PLANT AND UTILITIES FOR LNG TERMINAL	DESIGN REVIEW , PROJECT MANAGEMENT, PROJECT CONTROL, DETAILED ENGINEERING, DESIGN/DRAFTING, PROCUREMENT, SUBCONTRACTING, INSPECTION, CONSTRUCTION MANAGEMENT AND SUPERVISION	PUBLIC GAS CORPORATION (DEPA)	Jun-95	Jan-01	7.828.659
12	MARINE CROSSING OF LNG TERMINAL	BASIC DESIGN, PROJECT MANAGEMENT, PROJECT CONTROL, COST ESTIMATION, DETAILED ENGINEERING, DESIGN/DRAFTING, PROCUREMENT, SUBCONTRACTING, CONSTRUCTION MANAGEMENT AND SUPERVISION	PUBLIC GAS CORPORATION (DEPA)	Jun-95	Nov-99	616.538
13	TECHNICAL SUPPORT FOR LNG TERMINAL	REVIEW OF BASIC DESIGN, ENVIRONMENTAL IMPACT STUDY, SAFETY STUDY, PERMITS, TECHNICAL SUPPORT	PUBLIC GAS CORPORATION (DEPA)	Jul-88	May-94	166.865
14	SOIL PREPARATION AND JETTY FOR LNG TERMINAL	BASIC AND DETAILED DESIGN FOR JETTY AND PORT INSTALLATION	PUBLIC GAS CORPORATION (DEPA)	Jul-88	Oct-92	503.818

10.1 NATURAL GAS PROJECTS

REFERENCE LIST

LNG TERMINALS						
No	Project Name / Description	Type of Services Provided	Client	Contract/ Agreement Date	Completion Date	Value of Consultancy Services (€)
15	CRYOGENIC PLANT AND UTILITIES FOR LNG TERMINAL	BASIC DESIGN & DETAILED DESIGN	PUBLIC GAS CORPORATION (DEPA)	Jul-88	May-92	496.651
16	PROJECT DEFINITION OF LNG TERMINAL	FEASIBILITY STUDY	PUBLIC GAS CORPORATION (DEPA)	Jul-88	Jul-89	116.127



10.2 OIL PIPELINE PROJECTS

10.2 OIL PIPELINE PROJECTS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF COMPLETION
BASIC DESIGN, E.I.S, TOPOGRAPHICAL, GEOLOGICAL & SEISMIC STUDIES FOR THE CONSTRUCTION OF 2 x 16" WHITE PRODUCTS PIPELINE FROM ELEFSINA TO ASPROPYRGOS REFINERY		PM, B, D	HELLENIC PETROLEUM	ELEFSINA REFINERY	IN PROGRESS
WHITE PRODUCTS PIPELINES SUPPLYING EKO ABEE FROM HELPE/EIC		PM, P, ITBST	EKO / ABEE	GREECE	2009
GEOLOGICAL, GEOTECHNICAL SERVICES ALONGSIDE THE THESSALONIKI SKOPJE PIPELINE		D	ELPET BALK	THESSALONIKI - SKOPJE	2007
DETAILED ENGINEERING FOR THE SUPPLY PIPELINES OF EKO ABEE INSTALLATIONS BY HEL.PE. ELEFSINA REFINERY		PM, B, D, MBST, ITBST	HELLENIC PETROLEUM ELEFSINA REFINERY	ELEFSINA (ATHENS AREA)	2005 / 2007
JET FUEL PIPELINE	10"/51.5 km	PM, B, D, ITBST	EAKAA S.A.	FROM HEL.PE. ASPROPYRGOS REFINERY TO EL. VENIZELOS AIRPORT	2003
SKOPJE-KOSSOVO MULTI PRODUCTS PIPELINE	6" / 55Km	PM, B, D, C	OKTA	FYROM	2003
CRUDE AND WHITE PRODUCTS PIPELINE INTERCONNECTIONS	400 m ³ /h	PM, B, MST, C	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2002
NEW CRUDE TANKS INTERCONNECTING	2 TANKS x 80.000m ³	PM, B, MST, C, COST ESTIMATION, PUBLICATION OF SPECS, ITBST	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2001
BURGAS - ALEXANDROUPOLIS CRUDE OIL PIPELINE - PHASE II	36" / 120 km	ROUTING, PM, APC	ILF	ALEXANDROUPOLIS	2001
2ND PHASE OF BURGAS- ALEXANDROUPOLIS PIPELINE	36" / 120 km	EIS	ILF	THRAKI DISTRICT	2001
CONSULTANT FOR THE MANAGEMENT OF THE 2ND PHASE FOR THE BOURGAS ALEXANDROUPOLIS PIPELINE	36" / 120 km	PM, CONSULTING SERVICES FOR BASIC DESIGN, PROJECT CONTROL	DEP-THRAKI	THRAKI DISTRICT & BULGARIA	2001
THESSALONIKI - SKOPJE CRUDE OIL PIPELINE	16"/220 km	PM, EF, C	ELPET VALKANIKI S.A.	FYROM & GREECE	2000
BURGAS - ALEXANDROUPOLIS CRUDE OIL PIPELINE	36"/120 km	MANAGEMENT, ROUTING & INSTALLATION SURVEYS, EIA's, APC	JOINT VENTURE: HELLENIC PETROLEUM S.A. - THRAKI S.A.	FROM BULGARIAN BORDERS TO ALEXANDROUPOLIS	1999
MOBIL OIL FUEL TRANSFER FACILITY AND PIPELINE	450m ³ /hr	B, D, C, SA	MOBIL OIL - HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS (ATHENS AREA)	1988



10.3 ENGINEERING SERVICES- PROCESS UNITS

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROCESS UNITS	CAPACITY	CLIENT	PROJECT LOCATION	TYPE	SERVICES PROVIDED	YEAR OF COMPLETION
CRUDE DISTILLATION	22,500BPSD	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Basic Design, Basic Design Follow-up, Issue of ITB for erection works, Detailed Engineering, Project Management, Issue of Material Requisitions, Issue of Commercial and Technical Volumes, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Construction Supervision	2012
CRUDE DISTILLATION (2 units)	77,500BPSD / 22,500BPSD	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	DCS/ESD/FGS Site Acceptance Tests Supervising	2012
CRUDE DISTILLATION (2 units)	77,500BPSD / 22,500BPSD including caustic neutralization system	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Basic Design, Basic Design Follow-up, Issue of ITB for erection works, Net Present Value, Detailed Engineering, Project Management, Issue of Material Requisitions, Issue of Commercial and Technical Volumes, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Construction Supervision.	2012
ISOMERIZATION	3,000BPSD	HELLENIC PETROLEUM	OKTA REFINERY	REVAMP	Project Management, Issue of Material Requisitions, Issue of ITB for erection works, Cost Estimation, Inspection, Detailed Engineering, Procurement, Project Control, Design/ Drafting, Contract & Subcontractors Management	2010
DIESEL HYDRODESULPHURIZATION LPG RECOVERY	18,000BPSD / 500t/d /	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	REVAMP	Detailed Engineering & Procurement Services for the Hazop Implementation	2010
ULTRA LOW DIESEL DESULPHURIZATION	19,700BPSD	HELLENIC PETROLEUM	THESSALONIKI REFINERY	REVAMP	Basic Design, Basic Design Follow-up, Detailed Engineering, Project Management, Issue of Material Requisitions, Issue of Commercial and Technical Volumes, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Construction Supervision.	2009
SOUR WATER STRIPPER	22m3/hr	HELLENIC PETROLEUM	OKTA REFINERY	NEW BUILD	Project Management, Issue of Material Requisitions, Cost Estimation, Inspection, Net Present Value, Detailed Engineering.	2009

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROCESS UNITS	CAPACITY	CLIENT	PROJECT LOCATION	TYPE	SERVICES PROVIDED	YEAR OF COMPLETION
FCC NAPHTHA DESULPHURISATION	22,500BPSD	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	NEW BUILD	Basic Design Follow-up, Detail Design, ITB Preparation, Basic Design of Utilities & Interconnecting and construction supervision.	2009
GASOIL HYDRODESULPHURIZATION	17,500BPSD	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Project Management, Issue of Technical and Commercial Volumes for erection works, Cost Estimation, Detailed Engineering, Issue of Material Requisitions, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting	2008
HYDROGEN	4,600Nm ³ /h	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Project Management, Issue of Technical and Commercial Volumes for erection works, Cost Estimation, Detailed Engineering, Issue of Material Requisitions, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting	2008
CRUDE DISTILLATION (2 units)	77,500BPSD / 22,500BPSD	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Light Ends Section Upgrading. Basic Design, Project Management, Issue of Technical and Commercial Volumes for erection works, Detailed Engineering, Issue of Material Requisitions, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Sub-contractors	2008
VACUUM DISTILLATION	48,400BPSD	FOSTER WHEELER ITALIANA	ELEFSIS REFINERY	NEW BUILD	FEED	2007
SOUR WATER STRIPPER	111.7t/hr	FOSTER WHEELER ITALIANA	ELEFSIS REFINERY	NEW BUILD	FEED	2007
AMINE	400t/hr	FOSTER WHEELER ITALIANA	ELEFSIS REFINERY	NEW BUILD	FEED	2007
SULPHUR RECOVERY	12MTD	HELLENIC PETROLEUM	OKTA REFINERY	NEW BUILD	Project Management, Review of Net Present Value, Project Control and Project Services	2006

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROCESS UNITS	CAPACITY	CLIENT	PROJECT LOCATION	TYPE	SERVICES PROVIDED	YEAR OF COMPLETION
CRUDE DISTILLATION	77,500BPSD	HELLENIC PETROLEUM	ELEFSIS REFINERY	REVAMP	Basic Design, Basic Design Follow-up, Cost estimation, Detailed Engineering, Project Management, Issue of Material Requisitions, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Construction Supervision	2006
DIESEL DESULFURIZATION TO 10 PPM	19,700BPSD	HELLENIC PETROLEUM	THESSALONIKI REFINERY	NEW BUILD	Detailed Engineering, associated Interconnecting, and procurement / expediting of certain instrument, electrical, and piping bulk material, and major electrical equipment. Construction Supervision, Home Office Support and Material Storage Control.	2005
DIESEL HYDRO DESULPHURISATION	18,000BPSD	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	REVAMP	Project Management, , Issue of Material Requisitions, Issue of Commercial and Technical Volumes for erection works, Cost Estimation, Inspection, Detailed Engineering, Procurement, Project Control, Design/ Drafting, Sub-contracting	2005
VACUUM DISTILLATION	6,672MTPD	NIS	PANCEVO	REVAMP	Project Management, , Issue of Material Requisitions, Issue of Commercial and Technical Volumes for erection works, Cost Estimation, Inspection, Detailed Engineering, Procurement, Project Control, Design/ Drafting	2004
NAPHTHA HYDROTREATER	25,000BPSD	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	REVAMP	Basic Design, Basic Design Follow-up, Detailed Engineering, Project Management, Issue of Material Requisitions, Issue of Commercial and Technical Volumes for erection works, Cost Estimation, Inspection, Procurement, Project Control, Design/ Drafting, Construction Supervision	2004
GASOIL HYDRODESULPHURIZATION	8,000BPSD	HELLENIC PETROLEUM	OKTA REFINERY	NEW BUILD	Project Management, Design/ Drafting	2004
GASOIL HYDRODESULPHURIZATION	8,000BPSD	HELLENIC PETROLEUM	OKTA REFINERY	NEW BUILD	Basic Design, Feasibility Study	2003

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF COMPLETION
UPGRADING OF NAPHTHA REFORMING UNIT	21.500 BPSD	FOLLOW-UP OF BASIC DESIGN, PM, D, P	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2003
TAME UNIT	130 T/H	D, PM, C	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2003
REVAMPING WORKS ON FCC UNIT	42.000 BPSD	PM, D, P	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2003
VACUUM DISTILLATION UNIT UPGRADING	8.000 BPSD	PM, D, P, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2003
SUPPORTING SERVICES FOR THE REFINERY UPGRADING PROGRAM		FEASIBILITY STUDY, B, D, P	PROJECT PETROL LTD	FYROM	2003
POLYPROPYLENE FILM (BOPP) PRODUCTION PLANT	15,000 TONS/YR	PM, MST, C	DIAXON	KOMOTINI	2002
HYDROGEN PRODUCTION PLANT	6.842 Nm ³ /h	PM, P, EF, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2002
HYDROGEN PURIFICATION UNIT	5890 Nm ³ /h	PM, P, D, EF	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2002
FUEL OIL BLENDER		B, D, P, C	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2002
HYDROGEN UNIT - INTERCONNECTING	12.5 T/D	PM, D, P, C, EF	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2002
REVAMP OF VACUUM DISTILLATION UNIT AND INTERCONNECTIONS	25.000 BPSD	PM, B, D, C, SA	NIS - RAFINERIJA NAFTE	SERBIA	2002
FEED PREHEATER		PM, D	PETROLA	ELEFSINA REFINERY	2002
UTILITIES EXPANSION	DEMINERALIZATION WATER PRODUCTION (106 TN/H), STEAM BOILERS (50TN/h)	B, D, P, C, SA	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2001
POLYPROPYLENE PRODUCTION PLANT	180.000 tons/yr	EF, PM, CS	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2001
PROPANE / PROPYLENE SPLITTER UNIT	50 m ³ /h	PM, ML, MD, P, D, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000
CRUDE OIL DESALTER	100.000 BPSD	PM, B, D, P, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2000
NEW CONTROL ROOM	1200m ²	PM, D, P, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2000
DCS AND ESD EXPANSION	1700 NEW LOOPS	PM, D, P, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	2000
LNG RECEIVING TERMINAL - CRYOGENIC PLANT & UTILITIES	NORM. SENDOUT 96 m ³ /h, PEAK SENDOUT 407 m ³ /h	PM, B, ITST, MBST, C, SA	PUBLIC GAS CORPORATION OF GREECE (DEPA S.A.)	REVITHOUSA ISLAND	1999
PUMP-OUT SYSTEM FOR THREE PROCESS UNITS		MBD, B, D, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
CRUDE DISTILLATION AND VACUUM UNIT	54,000 BPSD	PM, B, EF, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
FLUID CATALYTIC CRACKING UNIT	42,000 BPSD	PM, ML, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF COMPLETION
MILD HYDROCRACKER UNIT REVAMPING		PM, ML, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
BENZENE SATURATION UNIT		PM, ML, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
POWERFORMATE SPLITTER UNIT	12.000 BPSD	PM, D, P, C	HELLENIC PETROLEUM	THESSALONIKI REFINERY	1999
LNG RECEIVING TERMINAL LNG TANKS	2 x 65,000 m ³	PM, B, ITST, MBST, C, SA	PUBLIC GAS CORPORATION OF GREECE (DEPA S.A.)	REVITHOUSSA ISLAND	1999
ISOMERIZATION UNIT (PENEX)	8300 BPSD	PM, D, P, C, SA	HELLENIC PETROLEUM	THESSALONIKI REFINERY	1999
DESALINATION UNIT	80 m ³ /h	PM, ITL, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1998
TRUCK LOADING REVAMP	NEW BOTTOM LOADING ISLANDS & VAPOUR RECOVERY UNITS	PM, B, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS & KALOHORI	1998
AUTOMATION OF BENTONITE DRYING PROCESS PLANT		PM, LSTK	SILVER & BARYTE ORES MINING CO.	MILOS ISLAND	1998
TOTAL ISOMERISATION (TIP) UNIT	7,500 BPSD	PM, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1998
POWERFORMER ENHANCEMENT PROJECT	8500 BPSD	PM, D, P, C	EKO	THESSALONIKI	1997
RECOVERY OF WASTE MINERAL OILS AND SLOPS UNIT	35,000 TONS/YR	D	GREEN OIL	ALEXANDROUPOLIS	1997
SULPHUR RECOVERY UNIT	40 MT/D	PM, ITL, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1997
PROCESS COMPRESSOR	1500m ³ /h	D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1997
FLARE GAS RECOVERY UNIT	1200 Nm ³ /h	ITL, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1997
DESALTER UNIT	85,000 BPSD	B, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1997
MEROX UNIT	12,000 BPSD	PM, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1997
SOUR WATER STRIPPER	17m ³ /D	B	EKO	THESSALONIKI	1996
DIESEL DESULPHURIZATION UNIT	17,000 BPSD	PM, ITL, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1996
PROCESS COMPRESSOR		MBD, B, D, P, ITST	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1996
PVC DRYING LINE	4,500 Kg/h	PM, D, P, C, S, SA, ITST	EKO	THESSALONIKI	1995

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF COMPLETION
LNG RECEIVING TERMINAL SITE PREPARATION & MISC. FACILITIES (SHIPPING FACILITIES & JETTY)		PM, B, D, C	PUBLIC GAS CORPORATION OF GREECE (DEPA S.A.)	REVITHOUSSA ISLAND	1993
HEATING UNITS AND BOILERS PLANT		B, D, P, C, SA	ABEETH	LAVRIO	1991
ESD FOR ALL NEW & EXISTING PROCESS UNITS	8 CENTERS, 1500 CONTROL POINTS	PM, B, ITD, MD, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1991
NAPHTHA HYDROTREATER	10,400 BPSD	B, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1991
GASOIL HYDROTREATING SEVERITY ENHANCEMENT	8.000 BPSD	PM, B, D, P, C	EKO	THESSALONIKI	1989
LIGHT NAPHTHA ISOMERIZATION UNIT	7,500 BPSD	ITL, ML, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1989
JET- FUEL MAXIMIZATION		B, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1989
SUPPORT STRUCTURES FOR MACHINERY AND UTILITIES OF A STEEL INDUSTRY		D	HELLENIC STEEL	THESSALONIKI	1989
H ₂ S MEA WASHING UNIT	42.5 T/D (H ₂ S REMOVED)	PM, D, P, C	EKO	THESSALONIKI	1988
SULPHUR RECOVERY UNIT	40 T/D	PM, ITBST, MBST, C	EKO	THESSALONIKI	1988
ENERGY CONSERVATION		PM, D, P, C	EKO	THESSALONIKI	1988
VISBREAKER	23,200 BPSD	ITL, ML, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1988
GOLD RECOVERY PLANT	100,000 T/A (CONC. FEED)	MB	METBA	OLYMPIAS	1988
VACUUM DISTILLATION UNIT	50,000 BPSD	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
H ₂ S MEA WASHING UNIT	185.5 T/D (H ₂ S REMOVED)	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
NAPHTHA CATALYTIC REFORMER	21,500 BPSD	PM, ITL, ML, ITD, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
LPG MEROX UNIT	10,300 BPSD	ITL, ML, ITST	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
SULPHUR RECOVERY UNIT	200 T/D	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
LOW PRESSURE HYDROCRACKER	27,400 BPSD	ITL, ML, ITD, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
FCC UNIT	25,000 BPSD	PM, ITL, ML, ITD, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
GAS CONCENTRATION UNIT	310 T/D	PM, ITL, ML, ITD, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
GASOLINE MEROX UNIT	17,000 BPSD	PM, ITL, ML, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987

10.3 ENGINEERING SERVICES – PROCESS UNITS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF COMPLETION
MTBE UNIT	185 T/D	PM, ITL, ML, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
C3/C4 DIMERSOL UNIT	305 T/D	PM, ITL, ML, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
C3/C4 DIMERSOL EFFLUENT TREATMENT	50 m³/D	PM, ITL, ML, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
HYDROGEN PRODUCTION UNIT	9.1 MMSCFD	PM, ML, ITD, MD, P	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
VACUUM DISTILLATION CONDENSATE COLLECTION SYSTEM		B, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
DCS FOR ALL NEW AND EXISTING PROCESS UNITS	EIGHT CONTROL CENTERS, 1500 CONTROL LOOPS, 7500 INDICATION LOOPS	PM, B, ITD, MD, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
DESALTERS		D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
SOUR WATER STRIPPER	3,050 T/D	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987



10.4 ENGINEERING SERVICES-OFFSITES & INTERCONNECTING FACILITIES

10.4 ENGINEERING SERVICES

OFFSITES & INTERCONNECTING FACILITIES

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
EFFLUENTS MANAGEMENT FOR HELPE MEGARA INSTALLATIONS		PM, B, D, P	HELLENIC PETROLEUM	MEGARA	IN PROGRESS
ASPROPYRGOS REFINERY OLD PIER REVAMPING		PM, B, D, ITB PREPARATION, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	IN PROGRESS
RANGE ALARM ADDITION TO LPG LOADING ARM		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
CHEM LAB RELOCATION		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
VAPRO ARMS PARKING SUPPORTS REMOVAL		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
NEW PUMPS 200-P-102 INSTALLATION		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
PIPING STRESS ANALYSIS FOR PUMP P-9A		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
PIPING MODIFICATION FOR PUMPS P-9A		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
STACK STATIC ADEQUACY TESTING		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
TEMPERATURE & PRESSURE ENDURANCE INVESTIGATION FOR TANKS		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
ITB PREPARATION FOR NEW CHEM LAB		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
ITB PREPARATION FOR THE PIER FIRESAFETY PROJECT		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
DETAIL ENGINEERING & ITB PREPARATION FOR NEW WAREHOUSE		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
FIVE NEW TANKS AT HELPE/AIC		PM, B, D	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2009
ENGINEERING SUPPORT SERVICES FOR INSTRUMENTATION		DETAILED ENGINEERING	HEL.PE-EIC	ELEFSINA	2009
MODERNIZATION OF LIQUID GAS (LPG) TRUCK LOADING STATION		PM, B, EF, ITB PREPARATION, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2009
INTERCONNECTING FOR NAPHTHA DESULPHURIZATION FCC U-9200		PM, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2009
E.I.S. FOR DOCK INSTALLATION OF ELEFSINA REFINERY		ENVIRONMENTAL IMPACT STUDY	HEL.PE-EIC	ELEFSINA	2008
REWIRING OF EXIST UNIT TO NEW CONTROL ROOM		P M, D, PUBLICATION OF SPECS, ITB PREPARATION	HEL.PE-TIC	ELEFSINA	2008
EXTENSION-MODERNIZATION OF LIQUID FUEL TRUCK LOADING STATION		PM, B, EF, ITB PREPARATION, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2007 / 2008
SUBSTATION "B" UPGRADE		PM, D, DRAFTING, PROJECT CONTROL SERVICES, COST & BUDGET ESTIMATION, PUBLICATION OF SPECS	HEL.PE-TIC	ELEFSINA	2007

10.4 ENGINEERING SERVICES

OFFSITES & INTERCONNECTING FACILITIES

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
INSTALLATION OF NEW FILTERS IN THE REFINERY'S DIESEL OIL NETWORK		PM, B	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2005
NEW TRIPS FOR THE DEBOTTLENECKING OF FLARE PHASE II		PM, D, P,	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2007
CONSTRUCTION SUPERVISION OF LIQUID WASTE GATHERING & HAUGHLING SYSTEM AT THE DENDROPOTAMOS INST.		CONSTRUCTION SUPERVISION SERVICES	EKO S.A	DENDROPOTAMOS	2007
SUPPORT AT INSTRUMENT PROJECTS		PM, D, DRAFTING, C	HEL.PE-TIC	ELEFSINA	2007
CONSTRUCTION STUDY FOR THE LOADING STATION A - DENDROPOTAMOS		PM, B, D, ITB PREPARATION, C	EKO SA	THESSALONIKI	2005
TANKS TK-40 & TK-15 INTERCONNECTING MODIFICATIONS			HELLENIC PETROLEUM ELEFSINA REFINERY	ELEFSINA	2005
LPG TRAIN LOADING STATION		PM, D, P, ITB PREPARATION, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2005
HYDRAULIC SHOCK STUDY FOR 2x10" PIPELINES			HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2005
PROCESS & UTILITY LINES CONCERNING THE INTERCONNECTING OF NAPHTHA DESULPHURIZATION FCC U-9200		B	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2005
MODERNIZATION OF DENDROPOTAMOS STORAGE INSTALLATION FACILITIES		D, CS	EKO-ELDA S.A.	THESSALONIKI	2004
OIL SUPPLY PIPELINE FROM ELEFSINA TO ASPROPYRGOS REFINERY		B, PM	HELLENIC PETROLEUM ELEFSINA REFINERY	ELEFSINA	2004
NEW TRUCK LOADING STATION AT EKO ELDA INSTALLATIONS		D, PM	EKO ELDA S.A.	ELEFSINA	2004
EXPANSION OF POWER SUBSTATION		C	HELLENIC PETROLEUM ASPROPYRGOS REFINERY	MEGARA	2004
LPG TRAIN LOADING STATION		B, PM	HELLENIC PETROLEUM ASPROPYRGOS REFINERY	ASPROPYRGOS	2003
MODERNIZATION OF OLD PIER FOR PRODUCT LOADING AND UNLOADING		D	EKO-ELDA S.A.	THESSALONIKI	2003
WASTE MANAGEMENT SYSTEM FOR DENDROPOTAMOS STORAGE INSTALLATIONS		D	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2003
LIGHT PRODUCTS RECEIVING PIPELINES		B, D, PM	EKO-ELDA S.A.	THESSALONIKI	2003
CONSTRUCTION OF CAUSTIC SODA TANK TK-90 AT THE PORT OF THESSALONIKI		D, C	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2003

10.4 ENGINEERING SERVICES

OFFSITES & INTERCONNECTING FACILITIES

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
CRUDE OIL ADDITIONAL STORAGE TANKS (TK 881 / 882)	2 x 80,000 m ³	PM, B, EF, C	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2002
INTERCONNECTION OF MAMIDAKIS STORAGE TANKS WITH THE THESSALONIKI REFINERY		D, C	HELLENIC PETROLEUM THESSALONIKI REFINERY	THESSALONIKI	2002
SEA AND LAND (AEGEAN ISLANDS) INSTALLATION SURVEYS		PM, TOPOGRAPHIC SURVEYS AND DEPTH MEASUREMENTS	HELLENIC PETROLEUM	CRETE, RHODES, KOS, LESVOS	2002
PREPARATION OF OPERATION AND MAINTENANCE MANUAL AND COMMISSIONING MANUAL FOR THE UPGRADING OF THE FUEL LOADING STATION		PREPARATION OF MANUALS ACCORDING TO THE CLIENT'S ADVICE	J & P	AKROTIRI, CYPRUS	2002
INSTALLATION OF NEW METERS ON PRODUCT PIPELINES TO CLIENTS		B, PM, D, P	HELLENIC ASPROPYRGOS REFINERY	GREECE	2002
NEW TRUCK LOADING ISLANDS FROM THE SEA BED		PM, D	PETROLA S.A.	ELEFSINA	2002
NEW METHANOL STORAGE TANK	10.000m ³	B, PM, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2002
FUEL & LPG STORAGE FACILITIES	5 FUEL TANKS WITH TOTAL CAPACITY OF 9800m ³ AND 6 LPG TANKS 800m ³ TOTAL CAPACITY	PM, MST, C	EKO - ELDA ABEE	ALEXANDROUPOLIS	2001
RELOCATION OF LPG TRUCK LOADING TERMINAL		PM, D	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2001
REPLACEMENT OF SECTIONS OF 12" AND 16" CONNECTING PIPELINES WITH THE PETROLA REFINERY		PM, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ELEFSINA	2001
9 NEW TANKS FOR KAVALA TERMINAL	30.000m ³	PM, D	METKA	KAVALA	2001
CONSTRUCTION SUPERVISION FOR CHANGE OF USE OF TANKS	3 X 9.000m ³	C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2001
MODERNIZATION OF THE DENDROPOTAMOS TRUCK LOADING INSTALLATION		B, PM, D	EKO - ELDA S.A.	THESSALONIKI	2001
MODERNIZATION OF OLD PIER		FEASIBILITY STUDY, B, PM, D	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2001
REINSTALLATION OF LPG LOADING TERMINAL STATION		PM, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2001
PROPYLENE SPHERES AND RELEVANT REFRIGERATION PACKAGE	2x4000m ³	PM, ITL, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000
PROPANE SEMI-REFRIGERATED SPHERES	2 SPHERES 4,000 m3 EACH	PM, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000

10.4 ENGINEERING SERVICES

OFFSITES & INTERCONNECTING FACILITIES

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
FUEL STORAGE FACILITIES	6 TANKS with total capacity of 12,000 m ³	PM, B, D, C	GLOBAL S.A.	DURRES, ALBANIA	2000
NEW LPG - PROPYLENE LOADING ARMS	2 LOADING ARMS	PM, D, P, C, MST	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000
ATHENS NEW AIRPORT HYDRANT REFUELING SYSTEM & TANK FARM	PERSONNEL SECONDMENT FOR CONSTRUCTION MANAGEMENT & SUPERVISION, CHECKING OF DESIGN	PM, EF, C	BURNS & McDONNELL / OLYMPIC FUEL CONSORTIUM	SPATA, ATTICA	2000
PROCESS & UTILITY INTERCONNECTIONS FOR NEW REVAMPED UNITS		PM, B, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
SAFETY RELATED PROJECTS		B, D	WARRI REFINERY	NIGERIA	1998
H.A.R. OLD PIER UPGRADING		B, MBD	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1995
PIER FIRE PROTECTION SYSTEM		B, D, P, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1992
KALOHORI TRUCK LOADING STATION EXPANSION		D, P	HELLENIC ASPROPYRGOS REFINERY	THESSALONIKI	1991
FIRE PROTECTION SYSTEMS		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1990
TANK FARM	200,000 m ³ CAPACITY	PM, B, D, P, C, ITST	HELLENIC ASPROPYRGOS REFINERY	MEGARA	1990
EKO FUEL TRANSFER FACILITY	160 m ³ /hr	PM, B, D, P, C, SA	EKO - THESSALONIKI REFINERY	THESSALONIKI	1988
KALOHORI STATION SEWAGE SYSTEM		PM, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	THESSALONIKI	1988
FIRST PHASE CONSTRUCTION OF SPATA INTERNATIONAL AIRPORT		ITBD	ATHENS AIRPORT AUTHORITY	SPATA, ATTICA	1988
FLARE SYSTEMS		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
FIRE PROTECTION SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
OILY WASTE WATER TREATMENT	4,800 M3/D	PM, B, ITST, MST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
BALLAST WATER TREATMENT	2,400 M3/D	PM, B, ITBST, CMST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
PROCESS AND UTILITY INTERCONNECTIONS		PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
GASOLINE BLENDER	95,000 BPSD	PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987

10.4 ENGINEERING SERVICES OFFSITES & INTERCONNECTING FACILITIES REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
DIESEL OIL BLENDER	53,000 BPSD	PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
JP-4 BLENDER	6,400 BPSD	PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
FUEL OIL BLENDER	54,500 BPSD	PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
ADDITIVES PLANT		PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
NEW TANKAGE	21 NEW TANKS WITH 237,235 m ³ TOTAL CAPACITY	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
PROPANE SPHERES	2 SPHERES 1200m ³ EACH	PM, B, ITD, MST, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
SLOP SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
LPG PUMP STATION RELOCATION		PM, B, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
LEADED SLOP SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986
TEL PIT		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986
NORMAL FLARES EMERGENCY ACID	45,000 KG/H, 455,000 KG/H, AND 90,000 KG/H	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986
WASTE WATER TREATMENT UNIT	5,736 m ³ /d	MBD	AEVAL	PTOLEMAIS	PROJECT CANCELED



10.5 ENGINEERING SERVICES-UTILITY UNITS (STEAM, ELECTRICITY, NITROGEN, COOLING WATER, etc)

10.5 ENGINEERING SERVICES

UTILITY UNITS (STEAM, ELECTRICITY, NITROGEN, COOLING WATER, etc)

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
STUDY FOR THE NEW PLATFORM FOR INSTRUMENTS INSTALLATION OF NEW BOILERS SG-931 & SG-941		DETAILED ENGINEERING	HEL.PE-TIC	ELEFSINA	2009
BASIC DESIGN FOR BLENDING SYSTEM		B, PM, COST & BUDGET ESTIMATION	HEL.PE-TIC	ELEFSINA	2009
ELECTRICAL STUDY FOR THE INSTALLATION OF THE EMERGENCY DIESEL GENERATORS AT S/S #3 & #12		PM, D	HELLENIC PETROLEUM	ELEFSINA REFINERY	2008
CONSTRUCTION SUPERVISION OF THE NITROGEN PRODUCTION UNIT PLANT		CONSTRUCTION SUPERVISION	HEL.PE-AIC	ELEFSINA	2007
MODIFICATION TO FLUFFING STEAM SYSTEM FOR UNIT U-4100 (FCC)		PM, PURCHASING, PROJECT CONTROL SERVICES, ITB PREPARATION	HEL.PE-AIC	ELEFSINA	2007
PREPARATION OF DUTY SPECS & INITIAL BUDGET FOR NEW STEAM BOILER		B, PM, COST & BUDGET ESTIMATION	HEL.PE-AIC	ELEFSINA	2007
NEW CONDENSATES SYSTEM CS1, CS2 FOR UNIT U-9200		B, PM, D, DRAFTING, PURCHASING, PROJECT CONTROL SERVICES, COST & BUDGET ESTIMATION	HEL.PE-AIC	ELEFSINA	2007
CONSTRUCTION OF THE NEW FUEL OIL CIRCUIT FOR THE REFINERY BOILERS AND HEATERS		PM, D, PURCHASING	HEL.PE-TIC	ELEFSINA	2007
BASIC DESIGN FOR INSTRUMENT & PLANT AIR UNIT		B, PM, COST & BUDGET ESTIMATION	HEL.PE-TIC	ELEFSINA	2007
WASTE PROCCESS UPGRADING OF HELPE-A.I.C. U-5500		SD, PM, B, D	HELLENIC PETROLEUM	ASPROPYRGOS REFINERY	2007 /
HOT CONDENSATE COLLECTION SYSTEM UPGRADE		B	HELLENIC PETROLEUM / THESSALONIKI REFINERY	THESSALONIKI	2005
NEW CONDENSATE PROCESS UNIT		B	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2005
NEW TAME UNIT (U-4900) INTECONNECTING		B, D, PM, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2004
STEAM BOILER PLANT	60.3 TONS/YR	PM, EF, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2003
UTILITIES EXPANSION FOR THE THESSALONIKI INDUSTRIAL COMPLEX		D	HELLENIC PETROLEUM / THESSALONIKI REFINERY	THESSALONIKI	2002

10.5 ENGINEERING SERVICES

UTILITY UNITS (STEAM, ELECTRICITY, NITROGEN, COOLING WATER, etc)

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
UPGRADING OF WASTE WATER TREATMENT UNIT	40m ³ /H	FEASIBILITY STUDY, B, PM	HELLENIC ASPROPYRGOS REFINERY	MEGARA	2002
UTILITIES DCS UPGRADING		PM, MSD, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000
REVAMPING / EXTENSION OF VARIOUS EL.SUBSTATIONS TO ACCOMMODATE NEW LOADS FOR HAR MODERNIZATION PROJECTS		PM, MBD, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	2000
COMPUTERIZED MONITORING SYSTEM OF ALL REFINERY MOTORS (MMS) AND ELECTRICAL ENERGY MANAGEMENT SYSTEM (EEMS)		MBD, ITST	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
REVAMP / EXTENSION OF COOLING TOWER	21000 m ³ /H	PM, MB, D, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1999
GASOLINE BLENDING SYSTEM	17,667 BPSD	PM, D, P, C	HELLENIC PETROLEUM / THESSALONIKI REFINERY	THESSALONIKI	1999
O & M BUILDINGS & CONTROL ROOMS FOR NGTS		PM, B, ITST, C, SA	DEPA/ PUBLIC GAS CORPORATION OF GREECE		1996
WATER DESALINATION	3600 m ³ /D CAPACITY	PM, ITBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1993
ELECTRIC GROUNDING NETWORK UPGRADING		PM, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1992
UPGRADING OF ELECTRIC SUBSTATIONS		PM, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1992
GAS TURBINE GENERATORS	34 MW(el)	PM, ITBST, P, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1989
ELECTRIC SUBSTATION REVAMP		PM, D, P, C	EKO	THESSALONIKI	1988
WATER SUPPLY PROJECT	200 M ³ /HR	B, D, P	ETEP	LIBYA	1988
COOLING WATER SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
BOILER FEED WATER AND STEAM SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
CONDENSATE COLLECTION SYSTEM		PM, B, ITST, BMST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
CONDENSATE POLISHING	3,840m ³ /D	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
WATER DEMINERALIZATION	3,360 m ³ /D CAPACITY	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
OIL CONDENSATE TREATMENT	960 M ³ /D	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987

10.5 ENGINEERING SERVICES

UTILITY UNITS (STEAM, ELECTRICITY, NITROGEN, COOLING WATER, etc)

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
NITROGEN PRODUCTION	NITROGEN PRODUCTION WITH 14,400 NM ³ /D CAPACITY	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
CAUSTIC SODA SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
INSTRUMENT AND PLANT AIR SYSTEM	460,800 NM ³ /D CAPACITY	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
FUEL OIL SYSTEMS		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
FUEL GAS SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
SERVICE WATER SYSTEM		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
INTERCOMMUNICATION AND FIRE ALARM SYSTEMS		PM, B, D, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
STEAM TURBINE GENERATOR	17 MW(e) CAPACITY	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
STEAM DISTRIBUTION & SHEDDING SYSTEMS		PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
ELECTRICAL SUPPLY AND DISTRIBUTION SYSTEM	a) 2XS/S 150 KV/6KV, b) 18XS/S 6KV/380V UPS SYSTEMS, c) DC SUPPLY SYSTEMS, d) EMERGENCY GENERATORS:- 1X560 KW - 1X150 KW - 7X100 KW LIGHTING AND EMERGENCY LIGHTING SYSTEM, e) 800 MOTOR FEEDERS (1:1,500 KW)	PM, D, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1987
CITY GAS UNIT UTILITY INDEPENDABILITY		PM, B, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986
COOLING TOWER	3,960 MMCAL/D (15,000 M3/H RECIRC.)	PM, ITBST, MBST, C	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986
FRESH AND DEMI-WATER STORAGE TANKS	TWO TANKS WITH TOTAL CAPACITY OF 11,500 M ³	PM, B, D, P, C, SA	HELLENIC ASPROPYRGOS REFINERY	ASPROPYRGOS	1986



10.6 ENGINEERING SERVICES- POWER PLANTS

10.6 ENGINEERING SERVICES

POWER PLANTS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
FEASIBILITY STUDY FOR CO-GENERATION UNIT IN THESSALONIKI REFINERY		FEASIBILITY STUDY, PM, DRAFTING, PROJECT CONTROL SERVICES, COST & BUDGET ESTIMATION	HEL.PE-TIC	THESSALONIKI GREECE	2009
PROJECT MANAGEMENT AND DETAIL ENGINEERING FOLLOW UP POWER PLANT 390 MW		PM, SUBCONTRACTING, INSPECTION, C, PROJECT CONTROL SERVICES, ITB PREPARATION, FOLLOW -UP OF SUBCONTRACTOR STUDIES	TH. POWER	THESSALONIKI GREECE	2009
CONSTRUCTION SUPERVISION POWER PLANT 390 MW THESSALONIKI		CONSTRUCTION SUPERVISION SERVICES	TH. POWER	THESSALONIKI GREECE	2009
STEAM TURBO GENERATOR 5.5 MW INQUIRY PACKAGE & TECHNICAL EVALUATION & FOLLOW-UP		PM, TECHNICAL EVALUATION OF OFFERS, DRAFTING, ISSUE OF PERMIT, SUBCONTRACTING PROJECT CONTROL SERVICES, COST & BUDGET ESTIMATION, ITB PREPARATION	HEL.PE-TIC	THESSALONIKI GREECE	2007
REVITHOUSSA COMBINED CYCLE POWER PLANT	390 MW	APC,	DEPA	REVITHOUSSA ISLAND - GREECE	2004
CHP UNIT	22 MW + 11 MW	B, ITD	EYDAP	PSITALLIA GREECE	2002
POWER PLANT WITH BOO FINANCING	120 MW	B,D,	PROMITHEUS GAS	RHODES GREECE	2001
POWER PRODUCER WITH STEAM & GAS TURBINE	17 MW + 2x17 MW (GAS)	PM, ITD, C	H.A.R.	ASPROPYRGOS GREECE	1989
FEASIBILITY STUDY FOR NEGOTINO POWER PLANT		PM FEASIBILITY STUDY	ELPET BALKANS S.A.	NEGOTINO FYROM	2005
COGENERATION UNIT		FEASIBILITY STUDY	HELPE TIC	THESSALONIKI GREECE	2000
CHS STATION 15,5 MW		PM BASIC DESIGN EIS ITB PREPARATION	DEPA	REVITHOUSSA ISLAND - GREECE	2007
SELECTION OF MANUFACTURER & TYPE OF GAS TURBINE FOR COGENERATION PLANT		PM, MR PREPARATION, EVALUATION	HELPE AIC	ASPROPYRGOS GREECE	2010



10.7 ENGINEERING SERVICES-CONSULTING

10.7 ENGINEERING SERVICES CONSULTING REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
TECHNICOECONOMICAL STUDY OF ANTI-POLLUTION & ENVIRONMENTAL UPGRADING PFI THESSALONIKI		TECHNICAL, ECONOMICAL COSNSULTANT SERVICES	HEL.PE-TIC	THESSALONIKI	2009
TECHNICOECONOMICAL STUDY OF GYPSUM PHOSPHATE SAFE BURIAL AREA		TECHNICAL, ECONOMICAL COSNSULTANT SERVICES	HEL.PE-TIC	THESSALONIKI	2009
EVALUATION OF EL PETROL COMPANY INSTALLATIONS		COST & BUDGET ESTIMATION	HEL.PE	THESSALONIKI	2009
REAL VALUE ESTIMATION OF AMMONIA INSTALLATIONS OF VFL AT KALOCHORI THESSALONIKI		COST & BUDGET ESTIMATION	HEL.PE-TIC	KALOCHORI - THESSALONIKI	2008
REORGANIZATION OF OPERATIONS		PROJECT MANAGEMENT & PROJECT CONTROL SERVICES	E.A.C	CYPRUS	2008
TECHNICAL SUPPORT ADVISOR ON ENERGY SPECTOR ACTIONS AT THE OPERATIONAL PROGRAM FOR COMPETITIVENESS CSF III	PARTICIPATION WITH OTHERS	CS	MINISTRY OF DEVELOPMENT	GREECE	2008
COST ESTIMATION OF SOUR WATER STRIPPER		COST & BUDGET ESTIMATION	OKTA	FYROM	2007
TECHNICAL, ECONOMICAL CONSULTANT SERVICES		TECHNICAL , ECONOMICAL CONSULTANT SERVICES	C.E.R.A	CYPRUS	2007
EAC'S PRELIMINARY TARIFFS STUDY REVIEW		PROJECT MANAGEMENT	C.E.R.A	CYPRUS	2007
DEVELOPMENT INSTALLATION AND OPERATION OF AN INFORMATION MANAGEMENT SYSTEM FOR THE CONTROL OF PUBLIC WORKS IN GREECE		CS	MINISTRY OF DEVELOPMENT	GREECE	2007
BUSINESS PLAN, ORGANIZATION & TENDER ASSISTANCE		CS	EKO NATURAL GAS	GREECE	2006
MARKETING STUDY FOR NATURAL GAS IN A BALKAN COUNTRY		CS	EU CINSULTING OIL COMPANY	BALKAN	2003
PRELIMINARY FEASIBILITY STUDY FOR THE CONSTRUCTION OF UNDERGROUND HYDROCARBON STORAGE FACILITIES		FS	MINISTRY OF DEVELOPMENT	PERAMA ATTIKI	2003
"PETROLEUM MARKET ORGANIZATION" LAW ENDORSEMENT MANAGEMENT		CS	MINISTRY OF DEVELOPMENT	GREECE	2002
PRE-FEASIBILITY STUDY FOR IRAN - ARMENIA NATURAL GAS PIPELINE		FS	HELPE	IRAN - ARMENIA	2001

10.7 ENGINEERING SERVICES CONSULTING

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
CONCEPTUAL DESIGN OF GAS TRANSMISSION PIPELINE			NATIONAL PETROLEUM COMPANY	JORDAN	2001
FEASIBILITY STUDY FOR THE EXPLOITATION AT EPANOMI GAS FIELDS		FS	HELPE	EPANOMI THESSALONIKI	2000
DESIGN & MONITORING OF THE IMPLEMENTATION OF TRANSPORTATION OBSERVATORY PROJECT		CS	MINISTRY OF TRANSPORTATION & COMMUNICATION	GREECE	1992



10.8 ENGINEERING SERVICES- OTHER PROJECTS

10.8 ENGINEERING SERVICES OTHER PROJECTS

REFERENCE LIST

PROJECT	MAIN FEATURES	SERVICES PROVIDED	CLIENT	LOCATION	YEAR OF MECHANICAL COMPLETION
CONSTRUCTION MANAGEMENT OF LIGHT RAILWAY SYSTEM (TRAM) FOR GREATER ATHENS AREA		CONSTRUCTION SUPERVISION SERVICES	TRAM SA	ATHENS	2007



Member of Hellenic Petroleum Group

**284, EL VENIZELOU St.
GR-176 75 KALLITHEA
ATHENS, GREECE**

**TEL.: +30 210 9491600
FAX: +30210 9491610**

**e-mail: asprofos@asprofos.gr
web: www.asprofos.eu**