



Technology Engineering Construction CO✓sulting

COMPANY PRESENTATION

GENERAL INFORMATION about CONTEC S.A.

CONTEC was founded for the purpose of providing services in the energy and industrial sector.

CONTEC carries out engineering, consulting and management activities as required for all phases of project execution, and also serves as consultant to existing installations.

CONTEC engineers are highly specialized in various engineering fields and have acquired extensive expertise both in engineering offices and in industrial plant sites.

**CONTEC has its offices in Thessaloniki, Greece, on the following address:
CONTEC S.A.**

**22 Laertou str.
Thessaloniki
GR-555 10 Pilea - GREECE**

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Url : www.conteceng.gr

ORGANIZATION

President

Tziolas Eleftherios *Chemical Engineer*

Vice President – Managing Director

Economou Fotini *Civil Engineer*

Board Members

Tziolas Eleftherios *Chemical Engineer*

Economou Fotini *Civil Engineer*

Papakosta Christina *Architect*

Financial Dept.

Theodoridis Demitrios *Accountant*

Engineering Dept. Head

Papargiris Vasileios *Mechanical Engineer*

Supervision Dept. Head

Papargiris Vasileios *Mech. Engineer*

Business Development

Mouratidou Panayota *Oil & Gas Engineer*

ORGANIZATION

MANAGEMENT

SECRETARY

ACCOUNTING

QUALITY ASSURANCE

PROJECT MANAGEMENT

ENGINEERING

SUPERVISION

CIVIL
/ ARCHITECTURAL

STEEL STRUCTURES

CIVIL

MECHANICAL

GEOTECHNICAL

SURVEYING

ELECTRICAL

PIPING

MECHANICAL

ELECTRICAL

SUPPORTING SERVICES

INSTRUMENTATION

CAD

PROCUREMENT

COMISSIONING

STAFF

- CIVIL ENGINEERS
- MECHANICAL ENGINEERS
- ELECTRICAL ENGINEERS
- SURVEYING ENGINEERS
- NAVAL ENGINEERS
- CHEMICAL ENGINEERS
- DRAFTING
- ACCOUNTANTS

PERMANENT

ASSOCIATES

5

3

3

2

2

1

1

1

2

1

1

TOTAL

14

8

QMS CERTIFICATION - ISO 9001:2008

TÜV HELLAS
TÜV NORD GROUP

CERTIFICATE

**Management system as per
EN ISO 9001 : 2008
Quality Management Systems - Requirements**

In accordance with TÜV HELLAS (TÜV NORD) S.A procedures, it is hereby certified that

CONTEC S.A.
22, Laertou Str.
555 10 Thessaloniki
Hellas

co✓TEC
Technology Engineering Construction Consulting

applies a Management System in line with the above standard for the following scope

Design, Supervision and Management of Technical Projects.

Certificate Registration No. 041140193
Audit Report No. E-2339/2014

Valid until 2017-07-25
Initial Certification 2011


TÜV HELLAS (TÜV NORD) S.A. Certification Body

Athens, 2014-07-26

This certification was conducted in accordance with the TÜV HELLAS S.A. auditing and certification procedures and is subject to regular surveillance audits.


ΕΣΥΔ
Προστασία Ε.Α.
αφ. 185-3



TÜV HELLAS S.A. 282, Mesogeion Ave., 155 62 Cholargos, Athens, Greece

SERVICES DIVISION

OIL & GAS

- REFINERIES
- POWER STATIONS
- PETROCHEMICALS / CHEMICALS
- TRUCK LOADINGS
- STORAGE PLANTS: TANKS / SILOS
- FUEL STATIONS
- COMPRESSOR STATIONS
- HP / MP GAS PIPELINES
- METERING/REG STATIONS
- GAS DISTRIBUTION

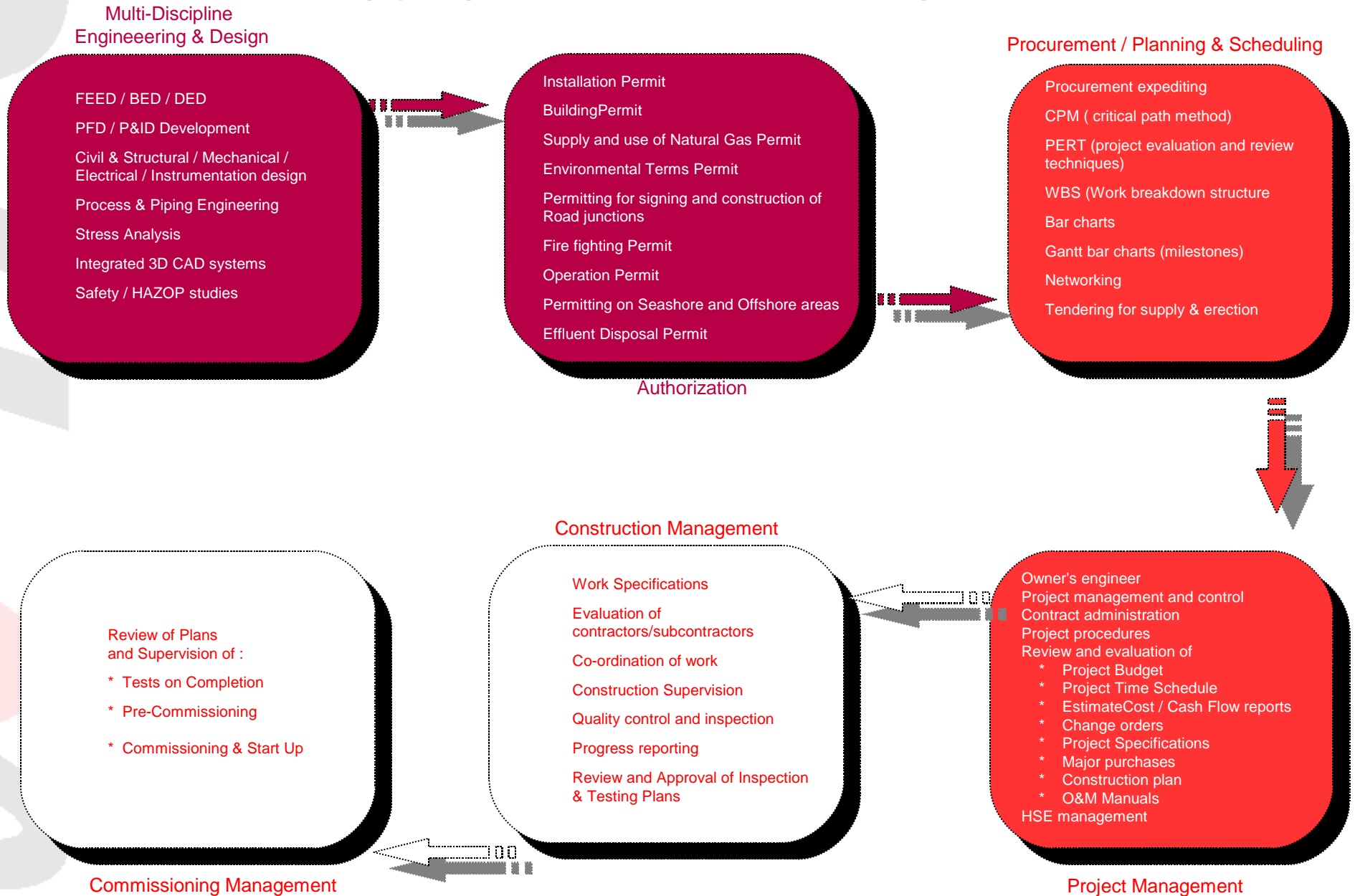
RENEWABLES

- PV SYSTEMS
- SOLAR SYSTEMS
- PV PRODUCTION PLANT
- PV STATIONS
- BIODIESEL

BUILDINGS

- HOTELS
- CAMP
- INDUSTRIAL
- WORKSHOPS
- WAREHOUSES
- OFFICES / STORES
- HOSPITAL
- RESIDENTIAL

PROJECT IMPLEMENTATION



IT SOLUTIONS

From Basic Engineering Up to Plant Hand-over

STRUCTURAL DESIGN

- SOFiStiK
- STRUCAD V15
- STAAD PRO V8i
- ROBOT MILLENIUM
- FESPA / FEPLA
- STATIK
- SAP 2000
- CEDRUS
- FAGUS
- HOCH
- PLAXIS

PROJECT PLANNING - CONTROL

- PRIMAVERA
- MS PROJECT
- SUGAR CRM

PIPING – 3D MODELLING DESIGN

- CAESAR II 5.10
- PV ELITE
- CAD WORKS PRO 2010 – 3D MODELLING
- ISOGEN / P&ID / PLANT / EQUIPMENT
- AutoCAD 2013

ELECTRICAL DESIGN

- RELUX
- AutoCAD 2013
- ABB DOC
- 4M
- EPLAN

SERVICES

CONTEC provides a complete range of engineering, consulting and management services, including:

- Project Management
- Process Engineering
- Cost Estimating and Control
- Planning and Scheduling
- Detailed Engineering Design
- Procurement
- Construction Management
- Commissioning and Start-up Assistance

The above services can be supplied in any combination to meet the particular requirements of the Client.

In addition, technical, estimating and commercial services are offered to assist in the planning and evaluation of new projects.

PROJECT MANAGEMENT

For the management of project execution, CONTEC provides services as follows:

- Client liaison
- Project direction and control
- Contract administration
- Project procedures
- Approvals of
 - Schedule
 - Estimate
 - Cost reports
 - Change orders
 - Basic engineering documents
 - Major purchases
 - Construction plan
 - Start-up philosophy

The size, nature and detailed requirements of each specific project govern the format of its management and also the composition of the team responsible for it.

PROCESS ENGINEERING

Based on input by the Client, CONTEC translates his requirements into basic and subsequently detailed process engineering packages. For this purpose, CONTEC either utilizes its own engineering capabilities or requests basic and/or detailed information from Licensors.

The main items of the process engineering package are:

- Product yields and properties
- Process flow schemes
- Heat and mass balance
- Safety philosophy
- Process data sheets
- Plot plan/layout
- Equipment lists
- Line sizing
- Utilities consumption
- Piping and instrument flow diagrams

COST ESTIMATION AND CONTROL

CONTEC has adopted five identifiable types of cost estimates depending upon the phase of project execution, namely:

- Project screening investment estimate
- Project development investment estimate
- Design basis investment estimate
- Detailed specification detailed investment estimate
- Execution phase detailed investment estimate

Cost estimates are based on information ranging from cost/capacity curves to actual quoted prices.

A statement of the basis and qualifications for the cost estimate and an evaluation of its accuracy are prepared for all above types of estimates.

Cost control is carried out through all phases of the project, with the overall cost broken down into discrete sub-projects and cost centers, as required to effect continuous control of the project cost.

PLANNING AND SCHEDULING

Project planning ranges from the overall project schedule to the detail required for day-to-day job control.

CONTEC utilizes all computerized techniques/tools to enable identification of potential problem areas and to define alternative approaches to project execution.

Such techniques are:

- Bar charts
- Gantt bar charts (milestones)
- Network
- CPM (critical path method)
- PERT (project evaluation and review techniques)
- WBS (Work breakdown structure)

DETAILED ENGINEERING DESIGN

The services provided by CONTEC for this very important phase of a project can be summarized as follows:

- Equipment selection, including:
 - Engineering specifications
 - Equipment specifications
 - Inquiry requisitions
 - Bids technical analysis
 - Purchase order requisitions

- Detailed design and drafting in the following disciplines:
 - Civil & Structural
 - Mechanical
 - Electrical
 - Instrumentation
 - Heating, ventilation and air-conditioning
 - Fire protection
 - Vessels & Tanks
 - Piping

Before proceeding with the detailed engineering design, CONTEC agrees with the Client his particular requirements with regards to applicable Codes and standards.

Also an agreement is made with the Client as to the practices, procedures, documentation systems, symbols etc. to be adopted.

PROCUREMENT

CONTEC maintains and continuously updates lists of equipment vendors, material suppliers, fabricators and construction subcontractors. As a company policy, CONTEC does not arrange for price agreements and contracts with suppliers, but issues each inquiry on a project for competitive bidding to arrive at an overall minimum project cost.

CONTEC has developed a full range of standard procurement forms, including:

- Inquiry/request for quotation
- Instructions to bidder
- General terms and conditions
- Bid comparisons/evaluations
- Instructions to seller
- Expediting reports
- Purchase status forms

Vendor documentation requirements, along with the time in which such documentation is required, are detailed in the inquiry document.

Bid comparisons are carried out to ensure full compliance with the technical requirements of the inquiry document, and commercial bid evaluations are then made ensuring full compliance with the terms and conditions.

CONTEC also arranges for inspection and testing of equipment and materials according to the requirements set forth within the inquiry document and the purchase order.

CONSTRUCTION MANAGEMENT

For the management of project construction CONTEC offers the following services:

- Construction specifications
- Subcontractors selection
- Supervision
- Inspection and testing
- Reporting

CONTEC maintains and updates lists of subcontractors experienced in various fields of construction and fabrication, and also assists them in following procedures and standards appropriate for quality work.

COMMISSIONING AND START-UP ASSISTANCE

For this final but critical phase of a project CONTEC offers services as follows:

- Preparation of operating instructions and operating manuals
- Preparation of safety regulations and recommendations
- Supervision of acceptance tests on site
- Supervision of start-up operations

CONTEC also can offer services with regards to plant maintenance and also auxiliary services pertaining to workshop organization, spare parts center etc.

SERVICES CATEGORIES

OIL & GAS

**REFINERY
POWER STATIONS
PETROCHEMICAL / CHEMICAL
COMPRESSOR STATIONS
TRUCK LOADINGS
STORAGE PLANTS: TANKS / SILOS
FUEL STATIONS
HP / MP NG PIPELINES
METERING/REG STATIONS
GAS DISTRIBUTION**

RENEWABLES

**PV SYSTEMS
SOLAR SYSTEM
PV PRODUCTION PLANT
PV STATIONS
BIODIESEL**

BUILDINGS

**HOTELS
CAMPS
OFFICES
WORKSHOPS
WAREHOUSE
HOSPITALS
INDUSTRIAL
RESIDENTIAL**

INDUSTRIAL PLANTS/UNITS

HELIODOMI	[PHOTOVOLTAIC MODULES MANUFACTURING PLANT, Kilkis - Greece]
ZYGOURAKIS	[EMULSION PRODUCTION PLANT, Lavrio - Greece]
HEL.PE. / TECNIMONT	[POLYPROPYLENE PLANT, Thessaloniki - Greece]
CHIMAR	[POLYMER PLANT, Komotini - Greece]
SHELMAN	[WOOD INDUSTRY, Komotini - Greece]
SHELMAN	[MELAMINE FILM PRODUCTION PLANT, Komotini - Greece]
HEL.PE. / VATECH - POERNER	[390 MW CCPP POWER PLANT, Thessaloniki - Greece]
HEL.PE. / EKME	[CAUSTIC SODA UNIT, Thessaloni - Greece]
HEL.PE. / CCT – ERGOTEM	[STEAM BOILER UNIT, Thessaloni - Greece]
HEL.PE. / DIAXON	[PLASTIC PACKAGING MATERIALS, Komotini - Greece]

INDUSTRIAL EQUIPMENT

SHELL

HEL.PE. / COPERION

PUBLIC POWER CORP.

PUBLIC POWER CORP.

HELLENIC STEEL

[DIESEL OIL TANK T-3, Perama - Greece]

[POLYPROPYLENE SILOS, Thessaloniki - Greece]

[POWER PLANT STEEL STACKS

Syros – Limnos – Samos, Greece]

[BOILER ASH DISPOSAL, Megalopolis - Greece]

[GALVANIZING LINE, Thessaloiki - Greece]

FUEL INSTALLATIONS

HELLENIC ASPROPYRGOS REFINERY / AKTOR

[TRUCK LOADING STATION REVAMPING
Aspropyrgos - Greece]

BP – MOBIL

[INSTALLATION OF VAPOR RECOVERY UNIT, Greece]

BP GAS

[INSTALLATION OF 12 LPG UNITS, Greece]

HEL.PE. / THEMELIODOMI

[NEW LPG LOADING FACILITIES,
Thessaloniki - Greece]

TEFIL

[LUBE OIL WAREHOUSE AND DEPOT,
Kalochori - Greece]

SHELL / KINTEC

[TRUCK LOADING STATION REVAMPING,
Chania - Greece]

SHELL

[5th FUEL LOADING ISLAND, Kalochori - Greece]

SHELL

[RE-ALLOCATION OF FUEL PRODUCTS,
Perama - Greece]

METRON / JET OIL

[INSTALLATION OF VAPOR RECOVERY UNIT,
Kalochori - Greece]

PIPING

HEL.PE. / THEMELIODOMI

[FUEL ADDITIVES TANKS AND PIPING,
Thessaloniki - Greece]

HEL.PE. / BIOTEK

[VGO PIPELINE 8", Thessaloniki - Greece]

HEL.PE. / ROPI

[BOILER FEED WATER PIPELINE, Thessaloniki - Greece]

HEL.PE. / BIOTEK

[STEAMTRACING - VPS UNIT, Thessaloniki - Greece]

HEL.PE. / MAK

[NEW DIESEL LINE 8", Thessaloniki - Greece]

HEL.PE. / ANAGNOSTOU

[CRUDE OIL RECIRCULATION, Thessaloniki - Greece]

HEL.PE /
HELLENIC ASPROPYRGOS REFINERY

[INTERCONNECTING FUEL PIPELINE 8",
Aspropyrgos - Greece]

CHAITOGLOU

[NATURAL GAS DISTRIBUTION SYSTEM,
Thessaloniki - Greece]

FILKERAM JOHNSON

[NATURAL GAS DISTRIBUTION SYSTEM,
Thessaloniki - Greece]

EPA THESSALONIKI

[EXTENSION OF NATURAL GAS MEDIUM PRESSURE
SYSTEM TO WEST THESSALONIKI, Thessaloniki - Greece]

EPA THESSALONIKI

[NATURAL GAS DISTRIBUTION PIPELINES TO THE
INDUSTRIAL AREAS OF SINDOS AND THERMI,
Thessaloniki - Greece]

EPA THESSALONIKI

[LOW PRESSURE NATURAL GAS DISTRIBUTION SYSTEM,
Thessaloniki - Greece]

PIPING

DESFA	[20" HP Pipeline / MAVRONERI – ANTIKYRA, Greece]
DESFA / J&P AVAX	[HOT TAPPING / By-pass line of 30" - Komotini, Greece HOT TAPPING / By-pass line of 30" - Litochoro, Greece]
DESFA / PANTECHNIKI	[10" HP Pipeline / TRIKALA – KARDITSA, Greece]
DESFA / J&P AVAX	[24" HP Pipeline / ACHLADOKAMPOS - PPC MEGALOPOLIS, Greece]

STEEL STRUCTURES

HEL.PE. / GEK – ASPATE	[ISOMERIZATION UNIT STEEL STRUCTURES, Thessaloniki - Greece]
HEL.PE. / EKME	[UTILITIES UNIT PIPERACK, Thessaloniki - Greece]
HEL.PE. / EKME	[DEMINERALIZATION UNIT PIPERACK, Thessaloniki - Greece]
HEL.PE. / J&P	[POLYPROPYLENE PLANT STEEL STRUCTURES, Thessaloniki - Greece]
HEL.PE.	[PIPERACK EXTENSION, Thessaloniki - Greece]
HEL.PE.	[CCR INTERCONNECTING PIPERACK, Thessaloniki - Greece]
POLYFORM	[POLYFORM PLANT, Komotini - Greece]
HEL.PE. / FOSTER WHEELER	[STRUCTURAL ADEQUACY CHECK OF 2 PIPE RACKS, Thessaloniki - Greece]
DESFA / CONSORTIUM PG-STG	[STEEL BUILDINGS, N. Mesimvria - Greece]
HEL.PE.	[INTERCONNECTING PIPE RACK, Kalochori - Greece]
MOH	[CHEMICAL PLANT / STEEL LOADING SHELTERS / PIPE SUPPORTS, Korinth - Greece]
THERMIE SERRES / ERGOTEM	[DISTRICT HEATING BUILDING CONTROL ROOM / PIPE CABLE RACK, Serres - Greece]
CORAL GAS	[RECONSTRUCTION OF STEEL GAS LOADING SHELTER, Aspropyrgos - Greece]
CORAL	[NEW PIPE RACK – KALOCHORI DEPOT, Greece]
MOH	[T-706 ROOF TANK, STRUCTURAL ADEQUACY DESIGN, Korinth - Greece]
ATLANTIS	[LOADING TERMINAL / OFFICE BUILDING / TANK / PUMP STATION, Thessaloniki - Greece]

INFRASTRUCTURE

HEL.PE.	[ELECTRICAL CABLE CHANNEL, Thessaloniki - Greece]
ENERGIAKI THESSALONIKI	[HV 400 KV CABLE ROUTING, Thessaloniki – Greece]
HELLENIC STEEL	[SEWER LINE 12", Thessaloniki - Greece]
SHELL	[REVAMPING OF SEWER SYSTEM, Perama - Greece]
EKO - ΕΛΔΑ / INTERGEO	[REVAMPING OF FUEL DEPOT SEWER SYSTEM, Amphilochia - Greece]
SHELL	[REVAMPING OF FUEL LOADING STATION SEWER SYSTEM, Rio / Achaia - Greece]
ATHENS AIRPORT	[EXTENSION OF OILY AND RAINWATER SYSTEM, Athens - Greece]
PPC / MEKASOL	[CONSTRUCTION OF TWO NEW H.F.O. TANKS AND ANCILIARY WORKS, Aliveri - Greece]
EBZ	[SEWER SYSTEM OF PLATI DEPOT, Imathia - Greece]

RENEWABLE ENERGY SOURCES

HELIODOMI

[PHOTOVOLTAIC POWER STATION 400 kW,
Kilkis - Greece]

VALORSUL / HELIODOMI

[PHOTOVOLTAIC POWER STATION 890 kW,
Lisbon - Portugal]

SANI HOTEL

[SOLAR THERMAL SYSTEM, Chalkidiki - Greece]

BUILDINGS

INDUSTRIAL

STELMA

[STORAGE WAREHOUSE]

DIAXON

[WAREHOUSE EXTENSION]

ENERGIAKI THESSALONIKI

[ELECTRICAL INSTALLATIONS BUILDING]

HELIODOMI

[PHOTOVOLTAIC MODULES MANUFACTURING PLANT]

ALPHA LOGISTICS

[WAREHOUSES]

HOTELS

GERAKINA BEACH

[5 star HOTEL AND BUNGALOWS]

OFFICE

HELLENIC STEEL / THEMELIODOMI

[REVAMPING OF ADMINISTRATION BUILDING]

SHELMAN

[ADMINISTRATION BUILDING]

ENERGIAKI THESSALONIKI

[POWER PLANT OFFICE BUILDING]

DE LA SALLE /AKTOR

[RENOVATION TO JUSTICE BUILDING]

HOSPITAL

ST. LUKE'S HOSPITAL

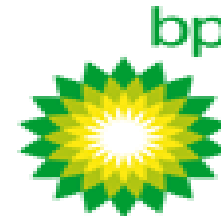
[EXTENSION OF GENERAL HOSPITAL]

VARIOUS

PRINOS

[BEAUTY CENTERS]

CLIENTS



CLIENTS



Global Technology Provider
Serving the Resin & Wood Panel Industry



INTERGEO



CLIENTS

**ALPHA LOGISTICS
ANAGNOSTOU
ATERMOM
ATLANTIS S.A.
CCT
DELASALLE
DIARXON
ENET
GEK
HELLENIC STEEL
ITA SERRES
LIFE-T
MAK
METRON
MOBIL
NORTH AEGEAN SLOPS
POLYFORM
PRINOS
ROPI
RWE
SICNG
STELMA
TECHNOVAX
TEFIL
TEK S.A.
TETRAGON
VIOMER
VOYATZIS
ZYGOURAKIS**

MEMORANDUM OF UNDERSTANDING (M.O.U.)

STRATEGIC COOPERATION (CLOSE AGREEMENTS) :

● CONTEC S.A. - EKME S.A.

- EKME S.A. : REFINERY CONTRACTOR, CONSTRUCTION COMPANY



● CONTEC S.A. - GEOTECH S.A.

- GEOTECH S.A. : UPSTREAM & GEORESOURCES COMPANY



SELECTED PROJECT REFERENCES

INDUSTRIAL & REFINERY PROJECTS REGISTER

- | | |
|---|---|
| 1. HEL.PE. S.A. | Polypropylene Plant, Propylene Pipeline (10", 6Km) |
| 2. ENERGEIAKH S.A.- HEL.PE S.A. /
VATECH GmbH – SIEMENS A.G. | Combined Cycle Power Plant, 390 MW |
| 3. SILISTRA REFINERY /
PETROMAX/ MTL International | SILISTRA Refinery Terminal Dismantling Project |
| 4. SHELMAN S.A. | Melamine Film Production Plant / Natural Gas Network to
SHELMAN industrial Complex |
| 5. THERMIE SERRES S.A. | Co-generation & District Heating Plant |
| 6. ATAS REFINERY / MTL International | ATAS Refinery Terminal Dismantling Project |
| 7. GENERTEC / MTL International | Combined Cycle Power Plant, 138 MW |
| 8. AIR BP ALBANIA Sh.A. | Relocation of Air BP Fuel Depot at Tirana Airport |
| 9. MOTOR OIL HELLAS KORINTH REFINERY | Rail Loading Station |
| 10. MOTOR OIL HELLAS KORINTH REFINERY | Gas-oil Additives Unit |
| 11. MOTOR OIL HELLAS KORINTH REFINERY | New Chemical Truck Loading Unit |
| 12. ATLANTIS S.A. | Bitumen Storage Tank Facilities |
| 13. NORTH AEGEAN SLOPS | Storage Tank Farm Facilities |
| 14. THESSALONIKI REFINERY UPGRADING
PROJECT | Detail Design of Substation Buildings |
| 15. METKA S.A. | Open cycle gas turbine power plant (590 MW),
Hassi R'mel - Algeria |
| 16. juwi HELLAS SA. | Detail Design of Substation Buildings |

HIGH, MEDIUM & LOW PRESSURE NATURAL GAS PIPELINE PROJECTS REGISTER

- 1. DESFA S.A. / CONSORTIUM PJSG
STROYTRANSGAZ– PROMETHEUS GAS S.A.** **N. Mesimvria Gas Compressor Station**
- 2. DESFA S.A.** **HP 24"/30" PIPELINE N.G. System /
Ag. Theodori – PPC Megalopolis Pipeline]**
- 3. DEPA S.A.** **MP Transmission / LP Distribution N.G. System -
Kavala/Drama/Serres/Kilkis /
Katerini/Lamia/Chalkida/Thiva**
- 4. DESFA S.A.** **20" HP Pipeline (30 Km – 70bar) /
Mavroneri – Antikyra Pipeline**
- 5. DESFA S.A. / J&P - AVAX S.A.** **HOT TAPPING / By-pass of 30" HP Main N.G. Pipeline
at Litochoro & Komotini**
- 6. DESFA S.A. / PANTECHNIKI S.A.** **10" HP (70 Km) N.G. Pipeline /
Karditsa – Trikala Pipeline**
- 7. EPA THESSALONIKI / (ITALGAS S.A.)** **MP/LP Natural Gas Network/ Thessaloniki City**
- 8. DEPA S.A.** **MP/LP N.G. Pipelines in Katerini & Plati**
- 9. DEPA S.A.** **MP Transmission N.G. System /
Chalkida – Psachna Evoia**
- 10. DESFA S.A.** **3 M/R Stations in Alexandroupolis, AdG & Motor Oil
Hellas/Korinth**
- 11. MOTOR OIL HELLAS KORINTH REFINERY
/ TRITON S.A.** **Interconnection Pipeline from Kalochori Depot to 873
Military Anchorage A/K (Offshore & Onshore Pipeline)**
- 12. TAP / E.ON New Build & Technology GmbH** **TRANS ADRIATIC PIPELINE - Compressor stations**
- 13. MERIMON Ltd** **Haifa & Galilee MP Gas Network**

INFRASTRUCTURE PROJECTS REGISTER

- 1. IKOS OLIVIA HOTEL ENTERPRISES S.A.
(former OCM GERAKINA HOTEL ENTERPRISES S.A.)** Restoration and Upgrading of Gerakina Beach Hotel in SITHONIA, CHALKIDIKI, GREECE
- 2. MASOUTIS S.A.** Upgrading and Permitting process for 10 Super Market Stores of Masoutis S.A. Group of companies

EDUCATIONAL - TRAINING PROJECTS REGISTER

- 1. SIDCCO / MDS Arabia Ltd** Educational – Training of 15 Iraqi Engineers on Refinery Processes

INDUSTRIAL & REFINERY PROJECTS

#1

Owner

HEL.PE. S.A.

Client

J & P - AVAX S.A.

Project

Polypropylene Plant
10" Propylene Pipeline (6Km)

Location

Thessaloniki / Greece

co✓TEC Services

- Review of Plant Detailed Design
- Construction Supervision Services
- Surveying
- Pipeline Routing
- Permit Aquisition

Budget

€ 150M

Remuneration

€ 530.000

Duration

98 up to 00



#2

Owner

**ENERGEIAKH S.A.-
HEL.PE S.A.**

Client

VATECH GmbH – SIEMENS A.G.

Project

- 390 MW Combined Cycle Power Plant
- N. G. Pipeline 35 bar (0,4Km) and M/R station for connection of Energeiaki Power Plant (390MW)
- 2 x 6 Km Ø600 GRP Underground Cooling Water Pipelines for 390 MW CCPP sea water supply
- 400KV HV Underground Cable Routing

Location

Thessaloniki/ Greece

coTEC Services

- Detailed Engineering Design
 - Civil Design of Buildings*
 - Fire Protection & Fire Fighting Design*
 - Architectural design, Survey, Routing of Cooling Water pipelines*
- Supervision of construction activities
- Permit Aquisition

Budget

€ 200M

Remuneration

€ 430.000

Duration

03 up to 06



#3

Owner

SILISTRA REFINERY

Client

Petromax / MTL International

**Project
Project**

SILISTRA Refinery Terminal Dismantling

Location

Thessaloniki/ Greece

co✓TEC Services

- Equipment Data Room Development
- Fit for Service Equipment
- Inspection

Budget

€ 190M

Remuneration

€ 247.000

Duration

07 up to 08

#4

Owner

SHELMAN S.A.

Client

SHELMAN S.A.

Project

Melamine Film Production Plant / 4" Natural Gas Network to SHELMAN industrial Complex

Location

Komotini / Greece

co✓TEC Services

- Detailed Engineering Design
- Supervision of construction activities

Budget

€ 5M

Remuneration

€ 230.000

Duration

02 up to 05

#5

Owner

THERMIE SERRES S.A.

Project

Co-generation & District Heating Plan

Location

Serres / Greece

co✓TEC Services

- Detailed Engineering Design

Budget

€ 35M

Remuneration

€ 161.000

Duration

06 up to 08

#6

Owner

ATAS REFINERY

Client

MTL International

Project

ATAS Refinery Terminal Dismantling Project

Location

Mersin / Turkey

co✓TEC Services

- 3D Laser scanning of Refinery Units
- Data Room Development
- 3D Modelling

Budget

€ 250M

Remuneration

€ 1.450.000

Commencement

08

#7

Owner

Genertec

Client

MTL International

Project

138 MW Combined Cycle Power Plant

Location

Larnaca/ Cyprus

co✓TEC Services

- Feasibility Study

Budget

est. € 110M

Remuneration

€ 71.000

Duration

12 up to 13

#8

**Owner
/Client**

Air BP Albania Sh.A.

Project

**Relocation of Air BP Fuel Depot
at Tirana Airport**

Location

Tirana/ Albania

co✓TEC Services

- Engineering & Design Consultancy Services
- Electrical Design (*Duct banks, cable trenches, power cables, fire detection & ESD, area classification*)
- Supporting of Construction Activities

Budget

est. € 107,5M

Remuneration

71.000 €

Duration

08 up to 09

#9

**Owner
/Client**

CORAL S.A.

Project

Rail Loading Station

Location

Kalohori Thessaloniki/ Greece

co✓TEC Services

- Basic Design of Rail Loading Station

Budget

est. 500.000 €

Remuneration

16.800 €

Completion

In progress



#10

**Owner
/Client**

**MOTOR OIL HELLAS
CORINTH REFINERY**

Project

Gas-oil Additives Unit

Location

Corinth Refinery / Greece

co✓TEC Services

- Detailed Engineering Design of New
Pump Station & New Additives Tank

Budget

est. € 500.000

Remuneration

€ 26.000

Duration

11 up to 11



#11

**Owner
/Client**

**MOTOR OIL HELLAS
CORINTH REFINERY**



Project

New Chemical Plant

Location

Corinth Refinery

co✓TEC Services

Basic & Detailed Engineering of:

- New tank farm with eight tanks for chemical storage
- Two loading gantries for trucks
- Ten new pumps with all interconnecting piping for loading to trucks
- Electrical-control building
- Interconnection Pipelines with the Refinery's Jetty

Budget

3.000.000 €

Remuneration

112.000 €

Completion

10 up to 11

#12

**Owner
/Client**

ATLANTIS S.A.



Project

Bitumen Storage Tank Facilities

Location

Thessaloniki Port / Greece

co✓TEC Services

Detail Engineering Design of :

1. One new tank of bitumen storage
2. One loading gantry for trucks,
3. Four pumps with all interconnecting piping for loading to trucks,
4. Fire detection system
5. Boiler room building
6. Administration building

Budget

€ 1.8M

Remuneration

€ 60.000

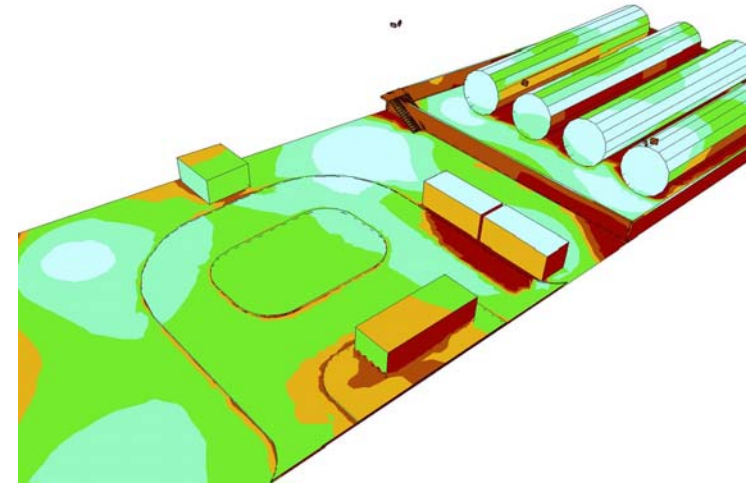
Completion

07 up to 12

#13

**Owner
/Client**

**NORTH AEGEAN
SLOPS**



Project

Installation of Four Heated Horizontal Temporary Storage Tank of Petroleum waste (slops)

Location

Thessaloniki Port / Greece

co✓TEC Services

Detail Engineering Design of :
1. Four new tanks of slops storage,
2. One loading gantry for trucks
3. One pump with all interconnecting piping for loading to trucks & ship

Budget

€ 750.000

Remuneration

€ 36.000

Completion

07 up to 11

#14

Owner/Client

HEL.PE. S.A.

Project

Thessaloniki Refinery Upgrading Project

Location

Thessaloniki / Greece

co✓TEC Services

Detail Engineering Design of :

1. The Electrical Substations K & J
2. Civil Engineering Services
3. Civil Engineering Services for Cable Trenches

Budget

€ 800M

Remuneration

€ 181.000

Duration

08 up to 10

#15

Client

METKA - Member of MYTILINEOS Group

Project

Open cycle gas turbine power plant of 590MW,
Hassi R'mel - Algeria

Engineering, procurement, installation and commissioning of a dual fuel (natural gas/diesel) open cycle power plant, with three gas turbines and a total output of 590,726 MW at site conditions.

Consortium General Electric - METKA S.A.

Location

Hassi R'mel, Algeria

co✓TEC Services

- Detailed Structural Design(Foundations and Steel Structures)
- Detailed Design of U/G Networks (Fire Fighting,Water supply, Water disposal,Oily Sewer)

Remuneration

€ 30.000

Completion

In progress

#16

Owner

juwi HELLAS SA.

Client

EMPIRIA S.A.

Project

DESIGN OF 19 SOLAR PARKS IN GREECE - 50 MWp

Location

Greece

co✓TEC Services

Detail Engineering Design of Civil Works

Budget

est. € 5M

Remuneration

€ 26.000

Completion

2012



HIGH, MEDIUM & LOW PRESSURE NATURAL GAS PIPELINE PROJECTS

#1

Owner

DESFA S.A.

Client

**CONSORTIUM:PJSG STROYTRANSGAZ
– PROMETHEUS GAS S.A.**

Project

N. Mesimvria Gas Compressor Station

Location

N. Mesimvria / Greece

co✓TEC Services

- Geotechnical Investigation
- Detailed Design
 - Structural Design of Buildings*
 - Buildings Services & Outdoor Network Design*
 - Fire Protection & Fire Fighting Design*
 - Infrastructure Design*
- Permit Acquisition
- Field Engineering Supporting Services
- Commissioning & Start Up Supporting Services

Budget

€ 54M

Remuneration

€ 635.000

Duration

09 up to 12



#2

**Owner /
Client**

DESFA S.A.

Project

HP 24"/30" PIPELINE
N.G. System

Location

Ag. Theodori - PPC Megalopolis - Greece

co✓TEC Services

Detailed Design:

- Pipeline
- Scraper & Line Valve Stations
- Crossing of National Roads,Rail Roads, Rivers and Watercourses
by Boring method
- Crossing of National Roads by Horizontal Direction Drilling method
- Scraper Station & Line Valve Station Stress Analysis
- Material Requisitions and technical evaluation of Vendors' offers

Budget

€ 38M

Remuneration

€ 270.000

Completion

In progress

#3

**Owner /
Client**

DEPA S.A.

Project

MP Transmission /
LP Distribution N.G. System
(10 Km –19 bar /
80 Km - 4 bar)

Location

Kavala/Drama/Serres/Kilkis /
Katerini/Lamia/Chalkida/
Thiva / Greece

co✓TEC Services

- Review of Detailed Engineering Design
 - Civil Design*
 - Mechanical Design*
 - Electrical Design*
- Contract Management
- Supervision Services of construction activities

Budget

€ 28M

Remuneration

€ 845.000

Duration

07 up to 09



#4

Owner

DESFA S.A.

Client

ELTER S.A.

Project

20" HP Pipeline
(30 Km – 70bar)

Location

Scraper Station
to AdG 400MW Powerplant &
Industrial Complex).
Mavroneri / Greece



co✓TEC Services

- Pipeline Detailed Engineering Design
- Scraper Station & Line Valve Station Detailed Design
- Pipeline Crossings Detailed Design by Boring method
- Scraper Station & Line Valve Station Stress Analysis
- HAZOP Study

Budget

€ 6,5M

Remuneration

€ 94.000

Duration

06 up to 07

#5

Owner

DESFA S.A.

Client

J&P - AVAX S.A.

Project 1

HOT TAPPING /
By-pass of 30" HP Main N.G. Pipeline
Litochoro / Greece

Location

Project 2

HOT TAPPING /
By-pass of 30" HP Main N.G. Pipeline
Komotini / Greece

Location

co✓TEC Services

- Hot Tapping Detailed Engineering Design
- By pass Line Design & Stress Analysis

Budget

€ 350.000/ 400.000

Remuneration

€ 7.000/ 10.000

Duration

during 07 / during 10



#6

Owner

DESFA S.A.

Client

PANTECHNIKI S.A.

Project

10" HP, 70 Km, N.G. Pipeline

Location

Karditsa to Trikala / Greece

co✓TEC Services

- Pipeline Detailed Engineering Design
- Scraper Station & Line Valve Station Detailed Design
- Pipeline Crossing of Pinios River Detailed Design by Horizontal Direction Drilling method
- Pipeline River Crossing Detailed Design by Boring method
- Scraper Station & Line Valve Station Stress Analysis

Budget

€ 4,8M

Remuneration

€ 125.000

Duration

07 up to 09

#7

**Owner /
Client**

**EPA THESSALONIKI
(ITALGAS S.A.)**

Project

MP/LP Natural Gas Network
of Thessaloniki City

Location

Thessaloniki / Greece

co✓TEC Services

- Supervision Services
of construction activities

Budget

€ 24M

Remuneration

€ 814.000

Duration

03 up to 07

#8

Owner

DEPA S.A.

Client

DEPA S.A.

Project

MP/LP N.G. Pipelines
in Katerini & Plati

Location

Katerini – Pieria
& Plati – Imathia / Greece

co✓TEC Services

- Review of Detailed Engineering Design
 - Civil Design*
 - Mechanical Design*
 - Electrical Design*
- Contract Management
- Supervision Services
of construction activities

Budget

€ 1,32M

Remuneration

€ 122.000

Duration

2007/2009

#9

Owner / Client

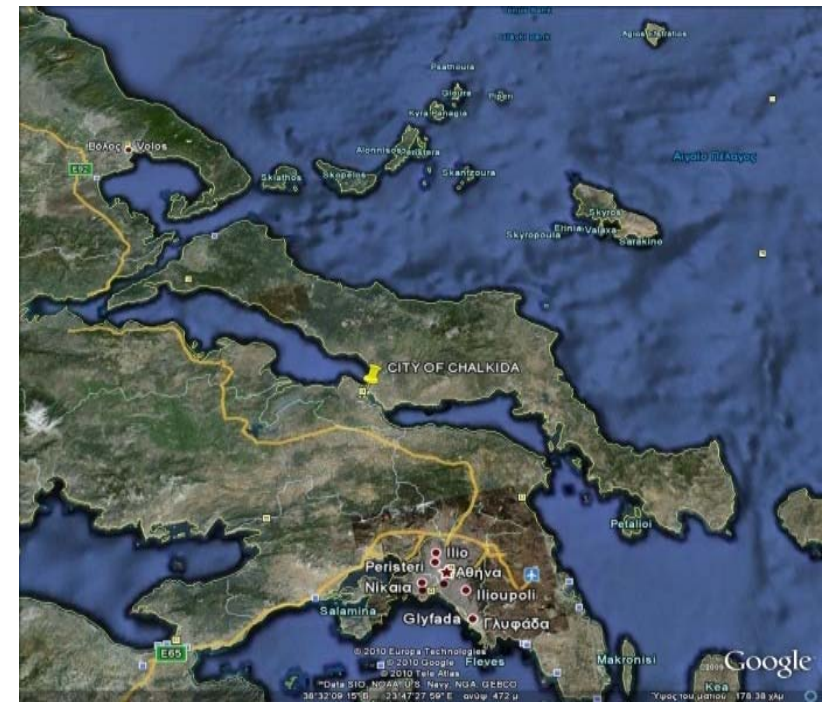
Project

Location

DEPA S.A.

MP Transmission
N.G. System

Chalkida / Greece



co✓TEC Services

EPCm Services :

- Review of Detailed Design
- Contract Administration
- Supervision Services

Budget

€ 9M

Remuneration

€ 273.000

Duration

09 up to 12

#10

**Owner/
Client**

DESFA S.A.



Project

3 M/R Stations in Alexandroupolis
AdG & Motor Oil/Korinth

Location

Greece

co✓TEC Services

- Review of Detailed Engineering Design
 - Civil Design*
 - Mechanical Design*
 - Electrical Design*
- Contract Management
- Supervision Services of construction activities
- HAZOP Study

Budget

€ 4,5M

Remuneration

€ 332.000

Completion

November 2009

#11

Owner

**MOTOR OIL HELLAS
KORINTH REFINERY**

Client

TRITON S.A.

Project

Interconnection Pipeline from Coral Kalochori Depot to 873 Military Anchorage A/K (Offshore & Onshore Pipeline)

Location

Kalohori / Thessaloniki-Greece

co✓TEC Services

- Onshore Pipeline Basic & Detailed Design
- Support on Permit Acquisition
- Tie-ins design
- Supervision of onshore Pipeline

Budget

€ 2,5M

Remuneration

€ 23.500

Completion

In progress

#12

Owner

E.ON New Build & Technology GmbH

Client

TRACTEBEL SpA

Project

TRANS ADRIATIC PIPELINE
KIPOI Compressor station

Location

KIPOI EVROS -GREECE

co✓TEC Services

- Consulting on Land Selection
- Basic & Detailed Design for architectural and fire & explosion safety
- Consulting on Permit issues

Budget

€ 200M

Remuneration

€ 45.000

Completion

In progress



#12

Client

MERIMON Ltd

Project

Haifa & Galilee MP Gas Network

Location

ISRAEL

co✓TEC Services

PMC services including:

- Support Client on Contract Administration
- Training of Client's Supervisors
- Construction Supervision Services

Remuneration

€ 382.000

INFRASTRUCTURE PROJECTS REGISTER

#1

Owner

**IKOS OLIVIA HOTEL ENTERPRISES S.A.
(former OCM GERAKINA HOTEL ENTERPRISES S.A.)**

Project

**Restoration and Upgrading into to 5* hotel of Gerakina Beach Hotel in
SITHONIA, CHALKIDIKI, GREECE**

Location

Sithonia-Chalkidiki / Greece

co✓TEC Services

Structural Detailed Engineering Design

Budget

€ 25M

Remuneration

€ 20.000

Duration

In progress



INFRASTRUCTURE PROJECTS REGISTER



#2

Owner/Client

MASOUTIS S.A.

Project

Upgrading and Permitting process for 10 Super Market Stores of Masoutis S.A. Group of companies

Location

Central Macedonia and Continental Greece/ Greece

co✓TEC Services

Structural Detailed Engineering Design

Budget

€ 1,2M

Remuneration

€ 40.000

Duration

In progress

EDUCATIONAL - TRAINING PROJECTS REGISTER

#1

Client

MDS Arabia Ltd

Project

Educational – Training of 15 Iraqi Engineers on Refinery Processes

Location

Thessaloniki/ Greece

co✓TEC Services

Organization, coordination and completion of Training Program

Budget

€ 500.000

Remuneration

€ 178.000

Duration

2014



#1

MEGALOPOLIS POWER STATION

YEAR OF COMPLETION: 2000
CONTRACTOR: MAGALDI / ASPATE
SERVICES: DESIGN OF CIVIL WORKS

YEAR OF COMPLETION: 2003
CONTRACTOR: ERGOTEM
SERVICES: CIVIL DESIGN FOR MODIFICATION OF FURNACE No3

TENDER FOR UNIT No 5 CCPP 800 MW: 2008
BIDDER: ANSALDO
SERVICES : BoQ FOR CIVIL AND BUILDING WORKS



Public Power Corporation S.A.-Hellas
Energy for everyone

#2

ALIVERI POWER STATION

YEAR OF COMPLETION: 2009
CONTRACTOR: MEKASOL
SERVICES: DETAILED DESIGN FOR FUEL GAS TANK FARM (2X6000 m3)
/ PUMP STATION

CONTRACTOR: VARIOUS
SERVICES: UPGRADED DETAILED DESIGN FOR FUEL GAS TANK FARM
/ PUMP STATION

TENDER FOR NEW UNIT No 5 CCPP 420 MW
BIDDER: J/V ANSALDO /DAMCO
SERVICES :
- PRELIMINARY DESIGN OF CIVIL WORKS AND E/M FOR
BALANCE OF PLANT
- BoQ

#3
LINOPERAMATA POWER STATION

YEAR OF COMPLETION: 2001
CONTRACTOR: ERGOTEM
SERVICES: DESIGN OF STEEL STACK AND FOUNDATION

#4
CHANIA POWER STATION

YEAR OF COMPLETION: 2003
CONTRACTOR: ERGOTEM
SERVICES: DESIGN OF STEEL STACK AND FOUNDATION

#5
SYROS / LIMNOS / SAMOS ISLANDS: POWER STATIONS

YEAR OF COMPLETION: 2009
CONTRACTOR: ERGOTEM
SERVICES: DESIGN OF FOUNDATION FOR STEEL STACKS

#6
SES KARDIA – PTOLEMAIDA POWER STATION

YEAR OF COMPLETION: 2012
CONTRACTOR: ERGOTEM
SERVICES: DESIGN OF DISTRICT HEATING BUILDING AND UTILITIES

THANK YOU
FOR YOUR ATTENTION !