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GENERAL COMPANY PROFILE

METRON S.A. – Energy Applications was established at the beginning of 1997 with the **objective** to offer integrated solutions comprising equipment and services involved within the areas of treatment, conveyance, distribution, metering of Gas & Liquid fuel products.

A. Scope of Supply and Services

In the framework of its activities, METRON offers:

1. E.P.C. (Engineering, Procurement and Construction), turn key projects.
2. Supply of complete (customer tailor made) prefabricated systems (engineering, procurement, construction/ assembly, factory test)
3. Piping and Structural Works
4. Electrical & Instrumentation Works
5. Installation, commissioning, startup services.
6. Maintenance, calibration and repair services.
7. Technical information on the equipment and its applications.
8. Supply of equipment manufactured by companies represented by or associated with METRON.

METRON's **activities** are focused on the following:

- Prefabricated gas metering and reducing stations and relevant Skids (High / Medium / Low Pressure Stations, Filter Separators, Gas Scrubbers, Pig Stations e.t.c.).
- Prefabricated units for oil installations (metering skids, vapour recovery units, additivation units, Proving Skids, filtering units etc.).
- Field services (Tanks erection, Pipelines installation, pumps houses integration, power supply installations etc)
- Electrical & Instrumentation for oil, chemical, gas installations (control valves, meters, safety valves, transmitters, gas detection systems, i.s. barriers etc.).
- Specialized services and constructions (pipeline hot tapping, valve actuation, automation, tank truck testing and upgrading etc.)
- Gas and Oil pipeline equipment (valves, special fittings, pig stations, pigging equipment, signalers, liquid catchers etc.).
- Gas measurement and regulating equipment.
- “Turn key” E.P.C. (Engineering, Procurement, Construction) projects incorporating all above activities



B. Organization Infrastructure

In order to fulfill its objective, METRON has developed an **organization**, which consists of the following sectors:

1. The **Gas & Oil departments**, handling activities such us:
 - Sales of Systems manufactured by METRON.
 - Providing Services involved at Oil & Gas Applications
 - Executing the Project Management of company's Projects including:
 - Contract reviewing & following
 - Engineering checking
 - Procurement of equipment & materials & subcontracts
 - Fabrication supervision & scheduling
 - Quality aspects
 - Site services (such as installation, constructions at site, precommissioning, commissioning and start up)
2. The **Sales department** handling the marketing & sales activities concerning:
 - Equipment originating from the companies represented by or associated with METRON.
 - Systems either originating from the represented companies or manufactured by METRON.
 - Services offered by METRON.
3. The **Engineering department** which deals with the engineering work involved in projects including:
 - Process design of systems offered
 - Detailed engineering (Layouts, fabrication dwg.)
 - Instrumentation (hook ups, wiring diagrams)
 - Electrical design
 - Technical documentation (Manuals, literature, etc.)
4. The **Construction department**, which involved with the manufacturing of the prefabricated structures. This action takes place in the workshop which has facilities for implementing the following activities:
 - Purchasing of piping & raw materials
 - Piping and structural prefabrication (cutting, preassembling, welding)
 - Sandblasting and painting
 - Mechanical assembly
 - Electrical and Instrumentation assembly and wiring
 - Testing

In case of E.P.C. contracts involving extensive erection and site activities, work teams are assembled from Construction department in accordance with each project contingencies.



5. The **Quality department**, assuring quality specifications and customers requirements
6. The **Technical Support department**, responsible for the site installation and after sales support of the equipment and systems supplied by the company. The Technical Support department has two bases, one at the main premises looking after Southern Greece and certain countries abroad and one in Thessaloniki looking after Northern Greece and the neighboring Balkan countries. This department also handles the adjustment and calibration works performed at the test facilities of the company as well as the pre-commissioning, commissioning and start-up activities on sites.

C. Cooperation with International Firms

The **main** foreign manufacturers **represented** by or **associated** with Metron S.A. are:

MASONEILAN	Control valves / Pressure Transmitters
FMC (Smith Meters)	Liquid measurement equipment and systems
WESTECH	Detonation flame arresters
ETTORE CELLA	Temperature and pressure switches
APLITEX	Thermowells, Thermocouples, RTD
OMC	Loading arms
OFFICINE OROBICHE	Level and flow switches and indicators
BOMBAS ITUR	Centrifugal Pumps
OLDHAM - INDUSTRIAL SCIENTIFIC	Gas detectors and monitors
VALVOMETAL	Gate, check, globe valves
VIAR VALVOLE	Ball valves
BROADY	Pressure & Safety Relief Valves
PLS	Hot Tapping Activities
KEMPE	Quick opening closures
SCHNIEWINDT	Electric gas pre-heaters
PROJOINT	Insulating joints
ELSTER - INSTROMET	Gas M/R stations, gas custody transfer measurement equipment
TARTARINI (Emerson Group)	Gas regulation equipment
FRANCEL (Emerson Group)	Gas regulation equipment, gas metering and regulating stations
LUXSOLAR	Lighting Technology / Warning Lights



D. Major Clients List

FMC Measurement Systems	International Oil & Gas Projects Contractor
ENDRESS & HAUSER	International Oil & Gas Projects Contractor
KROHNE	International Oil & Gas Projects Contractor
ELSTER / INSTROMET	International Gas Projects Contractor
EDISON	International Power Producer
METKA	International Power Producer
TERNA	International Power Producer
J&P (OVERSEAS)	International Contractor
CONSOLIDATED CONTRACTORS COMPANY SA	International Contractor
BOUYGUES CONSTRUCTION	International Contractor
ARCHIRODON	International Contractor
SNAM PROGETTI	International Contractor
MAN FEROSTAAL	International Contractor
ELLAKTOR	International Contractor
HELLENIC PETROLEUM GROUP	Refineries
MOTOR OIL HELLAS	Refinery
SHELL	International Oil & Gas production/distribution Company
CHEVRON	International Oil & Gas production/distribution Company
SAUDI ARAMCO	International Oil & Gas production/distribution Company
AGOGO	International Oil & Gas production/distribution Company
WEST AFRICAN GAS PIPELINE COMPANY	International Gas Company
TRAFIGURA / PUMA ENERGY	International Oil products traders
OKTA CRUDE OIL REFINERY	Oil products distributor
BP	Oil products distributor
MOBIL OIL	Oil products distributor
TEXACO OIL	Oil products distributor
MAMIDOIL	Oil products distributor
KAVALA OIL	Oil Production Company
PORTLAND BUNKERS INTL Ltd	Bunkering Terminal Operator
OLYMPIC FUEL COMPANY	Airport Refueling Company
SULZER	Pump Manufacturer
TECNICAS REUNUDAS	Engineering Company
ASPROFOS ENGINEERING	Engineering Company
PUBLIC GAS CORPORATION	Greek Natural Gas Network Operator
PHOSPHORIC FERTILIZERS	Chemical Industry
DOW CHEMICALS	Chemical Industry
ALUMINIUM DE GRECE	Aluminium Industry



E. Company's Resources & Location

E.1. Human Resources

After twelve years of operation, the company **employs** over 200 people at the present (depicting the recent project necessities). Among the staff there are employees of high educational and technical level (60 university/college level graduates, out of which 45 graduated engineers), engaged in construction, project management, sales, quality, testing & commissioning activities.

The company employs skillful technicians, including highly experienced foremen, Pipe fitters & assistants, qualified painters, qualified welders in accordance with international standards (EN288, API1104, ASME IX), Electricians and Instrument specialists with experience in international projects/specifications related to instrumentation and electrical installations

Technical manpower is increased and adjusted in to the projects requirements in case of large scale E.P.C. contracts.

E.2 Facilities and Machinery Resources

The **main facilities** of METRON in Magoula, (Industrial Area of Athens) Greece premises comprise:

- Main fabrication area of 7,000 m² with ten bridge cranes, cutting, rolling, forming (CNC machines), welding, machining, assembling, testing, sandblasting and painting facilities.
- Electronics – instrumentation workshop
- Electrical workshop
- Machining workshop
- Outdoor storage area with weighbridge
- Volumetric proven rig for metering packages.
- Gas meter test laboratory of 100 m²
- Warehouse of 500 m².
- Offices building of 1,000 m²
- Site mobilization equipment including isobox offices, 4 trucks with cranes, electric diesel generators, welding/ beveling machines etc.

For the support of its activities in Northern Greece, METRON also has an office/workshop close to the industrial area of Thessaloniki.

E3. Location

The Head office, Sales, Production an Support Services are all concentrated in one contemporary owned plant in Magoula, 25 km from the center of Athens, in close vicinity to the main industrial sites (Refineries, Oil and Gas Storage and distribution centers, Chemical Plants, Steel Industries etc.).



F. Company's Accreditation

Since the beginning of its operation, METRON is applying **quality** control procedures in its activities and was awarded in May 1999 the ISO 9002 certificate and in July 2002 the ISO 9001 certificate by BVQI.

In October 2005 was awarded with ISO 9001 certificate by TUV Hellas.

METRON is also certified for the management of its wastes and environmental emissions in accordance with EN14000 standard.

Furthermore follows a Health and Safety Management system complying with OHSAS 18001:2002 (certified in May 2006 by TUV Hellas)



G. Highlighted Projects

Distinguished projects with impact to the evolution of the company are:

- Project Description: E.P.C. Construction of **Hydrant System and Fuel Tank Farm** for Larnaca Airport
Client: BOUYGUES CONSTRUCTION / HELLENIC TECHNICAL ENTERPRISES
Location: Larnaca, Cyprus
- Project Description: E.P.C. Project for **Hydrocarbon Calibration (HYCAL) Euroloop Proving Facilities**
Client: KROHNE – (NMI)
Location: Netherlands, Rotterdam
- Project Description: E.P.C. Project for Accra Plains Extension including **oil transporting pipelines, Tank Farm, pump house, metering station, pig traps.**
Client: TRAFIGURA
Location: Tema, Ghana
- Project Description: Erection of **High Pressure Natural Gas M/R Border Stations**
Client: WEST AFRICA GAS PIPELINE COMPANY (CHEVRON/SHELL)
Location: Tema & Takoradi, Ghana
- Project Description: 400MW Thisvi Power Plant
 1. Erection of **Diesel and Water Tanks** (Various sizes 9.000m³, 5.000 m³, 2.000m³, 1.000m³)
 2. High Pressure Natural Gas MR Station
 3. Offloading diesel Skids
 4. Boiler feed water Pump Station (SULZER)Client: AKTOR-EDISON
Location: Thisvi, Greece
- Project Description: **Bunkering Facility**, including pipelines, pump-houses, storage tanks, metering stations.
Client: PBI
Location: Portland Port, UK
- Project Description: Ormen Lange project **Gas & Condensate metering systems**, including Gas Metering Station exporting gas capacity 2,700,000 Nm³/h at 284 barg operating pressure, from Norway to UK.
Client: SHELL / HYDRO / AKER KVAERNER



Location: Ormen Lange, Norway

- Project Description: **Truck Loading Station – Metering Skids, Loading Arms, Vapor Recovery Unit, Additive Injection Unit, Terminal Automation System**

Client: MOTOR OIL HELLAS

Location: Agii Theodori Refinery, Corinth, Greece

- Project Description: **Top or Bottom Island Revamping & Terminal Automation** upgrading and New Metering Skids

Client: HELLENIC PETROLEUM S.A.

Location: Aspropyrgos Refinery, Greece

- Project Description: Construction of **3 High Pressure Gas R&M City Gate Stations** including all auxiliary systems

Client: ELSTER/INSTROMENT – (DESFA)

Location: Greece

- Project Description: **District Heating Plant Thermal Sub-Station**

Client: THERMIE SERRES and SIEMENS

Location : Serres, Greece

H. Indicative Projects

- Project Description: **Fabrication of 80 High Pressure Vessels**, ERUP Project

Client: HELLENIC PETROLEUM– TECHNICAS REUNIDAS

Location: Elefsina Refinery, Greece

- Project Description: **Erection of Water and Condensate Tanks** (various sizes 12.000m³ to 1.000 m³) for ERUP Project

Client: HELLENIC PETROLEUM– TECHNICAS REUNIDAS

Location: Elefsina Refinery, Greece

- Project Description: Fabrication of **JET A1 Metering unloading Skid**.

Client: OLYMPIC FUEL COMPANY

Location: El. Venizelos Airport, Greece

- Project Description: **Crude Oil Metering Station** (Metering and Pump Facilities) for Bilarbi Project

Client: FMC KONGSBERG A.S - (BWO Offshore)

Location: Lagos, Nigeria

- Project Description: **Crude Oil Metering Station** for Alveim FPSO Project



Client: FMC KONGSBERG A.S – (VETCO-MARATHON)

Location: Norway

- Project Description: **Crude Oil Metering Skids including bi-directional Prover**

Client: FMC KONGSBERG A.S

Location: Siberia, Russia

- Project Description: **Metering Station including bi-directional Prover**

Client: FMC Technologies

Location: Bir Berkine, Algeria

- Project Description: **Venturi Meters (#150 to #900, form 8” up to 60”)**

Client: SAUDI ARAMCO:

Location: Saudi Arabia

- Project Description: **EPC Projects for Natural Gas & Oil Metering and Regulating Stations for Power generation & Cogeneration Units (PPC)**

1. Komotini, 2001
2. Lavrio, 175MWe 2004
3. Thiva, 2004
4. Lavrio 400MWe 2005

Clients: HERON Thermoelectriki, METKA, PUBLIC POWER CORPORATION

Location: Komotini and Lavrio, Greece

- Project Description: EPC contract **for Truck loading metering stations**

Client: OKTA REFINERY

Location: Skopje, FYROM Macedonia

- Project Description: **Design & Construction of Heat Exchangers BU Type, 380 KW each**

Client: HELLENIC PETROLEUM – ASPROFOS

Location: Aspropyrgos Refinery, Greece

- Project Description: **Truck Loading Terminal Islands, Automation, Electrical Installation, Pump Station e.t.c.**

Client: GLOBAL PETROLEUM

Location: Durres Refinery, Albania

- Project Description: Maintenance contract for **Truck loading gantry including SCADA System operations.**

Client: HELLENIC PETROLEUM REFINERY



Location: Aspropyrgos Refinery, Greece

- Project Description: Participation to the construction of **High Pressure City Gate Stations** of Natural Gas in Greece (1997-1999)

Location: Greece

- Project Description: Various **Metering & Regulating Stations construction for High/Medium and Low pressure** Natural Gas Networks for local & international distribution/ transportation companies and contractors (1997 since nowadays)

Location: Greece and abroad

- Project Description: Various **Chemical Injection Packages**

Client: BP, SHELL, PETROLA, HEL.PE. e.t.c.

Location: Greece and Libya