بِبِنَذَكِرَ اللَّهَ وَمَنَىٰ
A bright future ... in an ancient land
Contents

Chairman Word 04
Organization Chart 06
Our Mission / Our Vision 08
Board Members 10
Financial & Economic Indicators 12
Quality, Environmental and Health & Safety Management Systems 20
Major Projects & Work Authorizations 26
Instrumentation Installation Works 44
Technology Development & Projects Application 50
Business Development 52
Research & Development 56
Human Resources and Personnel Affairs 58
Information Technology 62
Conferences & Exhibitions 66
Cultural Activities & Sports 68
Enppi Offices & Branches 70
Since its foundation in 1978, Enppi’s top management has been always devoted to establish more accomplishments and to furnish a proficient service for the Egyptian Petroleum Sector, in parallel with a prevailing presence in Egypt and abroad, to serve our Petroleum Sector and the Sister Countries through the successes in executing numerous mega national projects. To date, Enppi executed more than 1150 projects and work authorizations with more than 31 million man-hours in Oil, Refining, Liquefaction of Natural Gas and its conversion into high-value derivatives, in addition to fields’ development, petrochemicals and fertilizers projects, and Power Stations besides the environmental and infrastructure projects.

Enppi’s abidance with the front-line global engineering measures and standards is observable, with a special emphasis on maximizing the exploitation of the domestic product, and adherence to the application of the quality, environment, occupational health and safety management systems, which is matured in Enppi’s success to obtain the International Certificates; ISO 9001, ISO1 4001, ISO 50001, OHSAS 18001, ISO TS 29001, and API Specification Q1.

In line with the the Petroleum Sector’s directives towards the perpetual existence of the Egyptian expertise in the global markets, Enppi has reinforced its presence in the Arab and
International markets throughout the performance of mega projects in Iraq, Jordan, Sudan, United Arab Emirates, Kingdom of Saudi Arabia, Yemen, Kuwait, and Oman, with stretching its activities to other foreign markets such as; Venezuela. In the coming period Enppi aspires to invade new international promising markets in Africa and South America.

I pray to God Almighty to prevail peace, stability and fulfillment upon our beloved Country; Egypt, and wishing all the employees of our company and of the Petroleum Sector as well, the ultimate success, advancement, and prosperity.

Eng. Abdel Nasser Salah El-Din
Chairman & CEO
Enppi, established in 1978 and headquartered in Cairo, is an international engineering and EPC Main Contractor.

**Shareholders**

- **Egyptian General Petroleum Corporation (EGPC)** 97%
  - 42,680,000 shares
- **Petroleum Projects and Technical Consultations Co. (Petrojet)** 2%
  - 880,000 shares
- **Housing and Social Services Fund for the Petroleum Sector’s Employees** 1%
  - 440,000 shares

**Capital**

- **Authorized** US $ 600 million
- **Paid** US $ 220 million
Our **Vision**
To attain a leading position among the international engineering and EPC / Lump-sum turnkey contractors; executing projects in the field of Oil & Gas, Petrochemicals and Process Industries.

Our **Mission**
To execute projects in the fields of Oil & Gas, Petrochemicals and Process industries in the Middle East & Africa, and support the national economy, primarily through providing state of the art technologies, leadership and standards of excellence, while striving to exceed our customers’ expectations. This is achieved via Enppi’s most valuable asset; its employees who are confident, competent, and caring.

We provide fully integrated engineering, procurement, construction supervision and project management services for the petroleum, petrochemicals, power and other related industries. The company organization is structured to provide the expertise required for the efficient coordination of all phases of work starting from project development studies to complete turnkey facilities.
Board Members

Eng. **Abdel Nasser Salah El-Din**
Chairman & CEO - Enppi

Eng. **Mohamed Taher Hafez**
Deputy Chief Executive for Planning & Projects - EGPC

Eng. **Ahmed Sayed El-Hawary**
Chairman & Managing Director - Petrobel

Eng. **Abed Ezz El-Regal**
Chairman & Managing Director - Gupco

Eng. **Mohamed Aly El-Masry**
Chairman & Managing Director - Rashpetco

Eng. **Osama El-Bakly**
Chairman & Managing Director - Khalda

Eng. **Hassan Mohamed Hassan**
Chairman & Managing Director - PMS

Eng. **Hussien Ismail**
Vice Chairman for Technical Affairs & Technology - Enppi

Eng. **Mohamed Zaied**
Chairman Assistant for Projects - Bapetco

Accountant/ **Ayman Mounir Hegazy**
General Manager for Finance - Financial & Economic Affairs - EGPC
## Financial & Economic Indicators

### Outcome for the year 2013

<table>
<thead>
<tr>
<th>Statement</th>
<th>Planned 2013</th>
<th>Actual 2013</th>
<th>Achieved Vs. Planned Rate %</th>
<th>Actual 2012</th>
<th>Growth Ratio 2013 / 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Revenue (projects + other)</td>
<td>2899</td>
<td>3998</td>
<td>138 %</td>
<td>3087</td>
<td>130 %</td>
</tr>
<tr>
<td>Professional Services’ Revenues</td>
<td>654</td>
<td>791</td>
<td>121 %</td>
<td>686</td>
<td>115 %</td>
</tr>
<tr>
<td>Total Cost (Tax Included)</td>
<td>2780</td>
<td>3687</td>
<td>133 %</td>
<td>2737</td>
<td>135 %</td>
</tr>
<tr>
<td>Net Profit (after tax)</td>
<td>119</td>
<td>311</td>
<td>261 %</td>
<td>350</td>
<td>89 %</td>
</tr>
</tbody>
</table>

**Financial & Economic Indicators**

- **Growth Ratio**
  - 2013 / 2012
  - 130 %
  - 115 %
  - 135 %
  - 89 %

**Net Profit (after tax)**

<table>
<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.E</td>
<td>81</td>
<td>186</td>
<td>362</td>
<td>509</td>
<td>559</td>
<td>622</td>
<td>560</td>
<td>350</td>
<td>311</td>
</tr>
</tbody>
</table>
Projects' Revenues 2013

3714 M. L.E

Projects in Egypt:
(2630 million L.E.)

Projects outside Egypt:
(1084 million L.E.)

Funding Structure

<table>
<thead>
<tr>
<th>STATEMENT</th>
<th>Unit</th>
<th>Actual 2013</th>
<th>Actual 2012</th>
<th>Change Rate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Stocks</td>
<td>1000 Stock</td>
<td>44000</td>
<td>44000</td>
<td>100 %</td>
</tr>
<tr>
<td>Paid-in Capital</td>
<td>1000 L.E.</td>
<td>1231270</td>
<td>1231270</td>
<td>100 %</td>
</tr>
<tr>
<td>Invested Capital</td>
<td>1000 L.E.</td>
<td>2734797</td>
<td>2743255</td>
<td>100 %</td>
</tr>
<tr>
<td>Long Term Investment Cost</td>
<td>1000 L.E.</td>
<td>1422030</td>
<td>1412297</td>
<td>101 %</td>
</tr>
<tr>
<td>Shareholders’ Equity (after dividends)</td>
<td>1000 L.E.</td>
<td>2249800</td>
<td>2205300</td>
<td>102 %</td>
</tr>
</tbody>
</table>
# Economic Indicators

<table>
<thead>
<tr>
<th>STATEMENT</th>
<th>Unit</th>
<th>Actual 2013</th>
<th>Actual 2012</th>
<th>Growth Ratio 2013 / 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value added</td>
<td>1000 L.E</td>
<td>991985</td>
<td>919000</td>
<td>108 %</td>
</tr>
</tbody>
</table>

Value added (Enppi share in the Gross National production)

### Value Added

![Graph showing value added from 2005 to 2013](graph.png)

- **2005**: 231 million L.E
- **2006**: 418 million L.E
- **2007**: 668 million L.E
- **2008**: 912 million L.E
- **2009**: 1027 million L.E
- **2010**: 1124 million L.E
- **2011**: 1113 million L.E
- **2012**: 919 million L.E
- **2013**: 992 million L.E

The growth ratio from 2012 to 2013 is 108%.
<table>
<thead>
<tr>
<th>Investments in Other Companies</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle East Tankage and Pipelines (MIDTAP)</td>
<td>19.06</td>
</tr>
<tr>
<td>Middle East Oil Refining (MIDOR)</td>
<td>10</td>
</tr>
<tr>
<td>Egyptian Projects Operation and Maintenance (EPROM)</td>
<td>10</td>
</tr>
<tr>
<td>Natural Gas Vehicles Co. (NGV)</td>
<td>20</td>
</tr>
<tr>
<td>The Petroleum Projects &amp; Technical Consultants Co. (PETROJET)</td>
<td>2</td>
</tr>
<tr>
<td>Petroleum Services for Safety and Environment Co. (PETROSAFE)</td>
<td>35</td>
</tr>
<tr>
<td>Petroleum Marine Services (PMS)</td>
<td>6</td>
</tr>
<tr>
<td>International Pipe Industry Co. (IPIC)</td>
<td>11.43</td>
</tr>
<tr>
<td>Regional Oil &amp; Gas Technology Transfer Co. (ROGTTC)</td>
<td>10</td>
</tr>
<tr>
<td>Sports Services Egyptian Petroleum Co. (Petrosport)</td>
<td>13.19</td>
</tr>
<tr>
<td>Egyptian Fajr for Natural Gas</td>
<td>8.3</td>
</tr>
<tr>
<td>Suez Safety Outfitters Co. (SSO)</td>
<td>10</td>
</tr>
<tr>
<td>Oil and Gas Skills (OGS)</td>
<td>10</td>
</tr>
<tr>
<td>Ruhrpumpen Egypt</td>
<td>11</td>
</tr>
<tr>
<td>EStyrenics</td>
<td>15</td>
</tr>
<tr>
<td>Paris Oasis for Natural Water</td>
<td>25</td>
</tr>
<tr>
<td>Egyptian petroleum HH rigs manufacturing shareholder company</td>
<td>12.5</td>
</tr>
<tr>
<td>EIPET - Egyptian Indian Co. For Polystyrene</td>
<td>7</td>
</tr>
<tr>
<td>Egyptian Fields Development Co. (EFDC)</td>
<td>25</td>
</tr>
<tr>
<td>Invensys Process Systems Egypt Co.</td>
<td>25</td>
</tr>
<tr>
<td>Sirt Gulf for Gas Projects</td>
<td>24.5</td>
</tr>
<tr>
<td>Sinai Gas Company</td>
<td>20</td>
</tr>
<tr>
<td>International Drilling Material Manufacturing Co. (IDM)</td>
<td>15</td>
</tr>
<tr>
<td>Enppi Middle East - Oman</td>
<td>70</td>
</tr>
<tr>
<td>Enppi International - KSA</td>
<td>75</td>
</tr>
</tbody>
</table>
Quality, Environmental and Health & Safety Management Systems ... 


In the context of the company’s keenness for continual development and improvement of its operations and activities, and to keep up with the international trend and the general policy of the country to maintain the energy, Enppi was awarded in June 2013 the certification of the energy management systems (ISO 50001:2011).

Also in December 2013 Enppi was successfully qualified for obtaining ISO 29001 certification for Quality Management System in petroleum, petrochemicals and natural gas industries. It is worthy to mention that Enppi is considered to be the 1st EPC contractor in Egypt to get accredited certification for these two certificates (ISO 50001 & ISO 29001) from DAKKS & API.

The implementation of the requirements of these international standards was effectively considered in all of the company’s projects and activities in all stages (design, procurement and supervision of the projects) through an integrated system to monitor, evaluate and improve the performance of the Quality, Environmental and Occupational Health & Safety Management Systems and with a commitment to maintaining the safety and health of workers whether in the company or those performing the work on behalf.

During 2013, the implementation of Quality, Environmental and Occupational Health & Safety Management Systems (ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001) have been implemented on 65 projects and more than 36 audits have been conducted.

It is worth mentioning that Enppi is certified by the National Quality Institute (NQI) for providing consultation and training services in the field of QEHS Management systems.
Certiﬁcates

ENPPI QUALITY POLICY

Enppi as a leading international EPC / lump sum turnkey contractor, which executes projects in the ﬁelds of Oil and Gas, Petrochemicals and Process Industries, aims to achieve customer satisfaction by fulﬁlling needs and expectations of customers and providing high quality services within time commitments at competitive costs. Our commitment towards implementation and continual improvement of Enppi quality management system in accordance with ISO 9001 and UDT/1 2001 requirements is an essential objective. We will encourage policies that in our business, we consider quality management standards appropriate in their activities.

Implementation of this policy is a prime management objective and the responsibility of all employees. Enppi management will avail sufﬁcient resources including qualiﬁed and trained personnel to meet the policy objectives.

Eng. Abdel Nasser Salih El-Din
Chairman & C.E.O.

November 2012

ENPPI ENVIRONMENTAL POLICY

Enppi as a leading international EPC / lump sum turnkey contractor, which executes projects in the ﬁelds of Oil and Gas, Petrochemicals and Process Industries, recognizes the impacts of its activities on the environment. We will implement and continually improve an environmental management system to achieve improvements in the overall company environmental performance including prevention of pollution and conservation of natural resources.

We will comply with the applicable environmental legal and other requirements. We encourage our customers, suppliers and contractors to consider the impacts of their activities on the environment.

Implementation of this policy is a prime management objective and the responsibility of all employees. Enppi management will avail sufﬁcient resources including qualiﬁed and trained personnel to meet the policy objectives.

Eng. Abdel Nasser Salih El-Din
Chairman & C.E.O.

January 2012

ENPPI ENERGY POLICY

Enppi as a leading international EPC / lump sum turnkey contractor, which executes projects in the ﬁelds of Oil and Gas, Petrochemicals and Process Industries, recognizes the inﬂuence of its activities on the energy performance. We shall implement and continually improve an energy management system to achieve improvement in the overall company energy performance including the control of energy consumption.

We shall comply with the applicable legal and other requirements in order to achieve better energy use, consumption and efﬁciency.

The principal energy management objectives are:

- Designing for energy performance improvement.
- Purchasing of energy efﬁcient products and services.
- Ensuring the availability of necessary resources and information to achieve energy performance improvement.

We encourage our customers, suppliers and contractors to consider the inﬂuence of their activities on the energy performance and accordingly contribute to a better energy performance.

Implementation of this policy is a prime management objective and the responsibility of all employees. Enppi management will avail sufﬁcient information and resources including qualiﬁed and trained personnel to meet the policy objectives.

Eng. Abdel Nasser Salih El-Din
Chairman & C.E.O.

July 2012

ENPPI HEALTH AND SAFETY POLICY

Enppi as a leading international EPC / lump sum turnkey contractor, which executes projects in the ﬁelds of Oil and Gas, Petrochemicals and Process Industries, recognizes the importance of protecting the health and safety of its employees, customers, suppliers and contractors personnel within work premises over which it has control.

Enppi implements and continually improves a health and safety management system to achieve improvement in the overall company health and safety performance, including prevention of injury and ill health. The principal health and safety objective are:

- Prevention of safe working environment.
- Identiﬁcation, analysis and assessment of risks.
- Implementation of necessary control measures to ensure that risks are reduced as low as reasonably practicable.
- Compliance with applicable health and safety legal and other requirements that relate to Enppi’s health and safety risks.
- Encouragement of customers, suppliers and contractors to consider health and safety requirements in their activities.

Implementation of this policy is a prime management objective and the responsibility of all employees. Enppi management avail sufﬁcient resources including qualiﬁed and trained personnel to meet the policy objectives.

Eng. Abdel Nasser Salih El-Din
Chairman & C.E.O.

January 2012

ENPPI ENERGY POLICY

Enppi as a leading international EPC / lump sum turnkey contractor, which executes projects in the ﬁelds of Oil and Gas, Petrochemicals and Process Industries, recognizes the inﬂuence of its activities on the energy performance. We shall implement and continually improve an energy management system to achieve improvement in the overall company energy performance including the control of energy consumption.

We shall comply with the applicable legal and other requirements in order to achieve better energy use, consumption and efﬁciency.

The principal energy management objectives are:

- Designing for energy performance improvement.
- Purchasing of energy efﬁcient products and services.
- Ensuring the availability of necessary resources and information to achieve energy performance improvement.

We encourage our customers, suppliers and contractors to consider the inﬂuence of their activities on the energy performance and accordingly contribute to a better energy performance.

Implementation of this policy is a prime management objective and the responsibility of all employees. Enppi management will avail sufﬁcient information and resources including qualiﬁed and trained personnel to meet the policy objectives.

Eng. Abdel Nasser Salih El-Din
Chairman & C.E.O.

July 2012
ISO 9001
ISO 14001
ISO 50001
OHSAS 18001
ISO / TS 29001
& API Q1
During 2013, Enppi achieved the highest HSE performance at sites and headquarters, reflected in safe working hours and kilometers travelled; we have achieved 79.5 Million Safe working Hours without any lost time Injury at Projects Sites & 4.9 Million Safe working Hours without any lost time Injury at Headquarters. Moreover we have achieved 24.5 Million Safe Km Travelled without any vehicle accident at Sites & 1.9 Million Safe Km Travelled without any vehicle accident at Headquarters after reaching 1.1 Million Highest achieved Safe Km Travelled at its Headquarters.
Certificates & Appreciation Letters

Yanbu Aramco Sinopec Refining Co. Ltd
YASREF Project Execution Department

Certificate of Recognition

This certificate is awarded to Enppi
(Engineering for the Petroleum and Process Industries)

SP-1 (Inlet Facilities and Tank Farm)

In recognition and appreciation of its achievement of 7,000,000 safe man-hours with no lost time incident while working for YASREF Project

Pharosic Petroleum Company

Certificate of Recognition

Pharosic Petroleum Company would like to award Enppi and Petrojet for the excellent HSE standards shown during the BP Regional President and PHPC MDs & management site visit on Tuesday June 11th, 2013. The PHPC team was very pleased to see excellent HSE performance being carried out on the V&X Project, this could not have been possible without the commitment of everyone in your teams, especially through the interface between site plant and construction activities. Please, extend our thanks to your teams on our behalf.

Pharosic Petroleum Company would like to encourage Enppi/Petrojet to continue this level of high performance in the future and continue to deliver V&X Project safely, with the same high quality, HSE standards, commitment and delivery.

Best regards,

Eng. Mohamed ELSHIMY
Chairman & MD
Petrojet

Eng. Abd ELNaser Salah Eldin
Chairman & MD
ENPPi

Date: June 11th, 2013

Dr. HESHAM RWIS
GASCO Project Acq.GM

Certificate of Recognition

Dr. HESHAM RWIS

For achieving 4 million safe working hours without lost time injury (LTI) at NUBARIA SADAT/DAISCHOUR GAS PIPELINE PROJECT

Grantees: March, 2013

Eng. ASHRAF SALAMA
EGAS Project Manager

Dr. / HESHAM RWIS
GASCO Projects Acq. GM
Throughout the past 36 years and ever since Enppi establishment in 1978, Enppi has made remarkable progress as witnessed in the evolution of its role in projects’ execution from a mere specialized Engineering Design Contractor to an EPC Main Contractor executing major projects on a lump-sum turnkey basis in Egypt and worldwide too. In this respect, Enppi contributed in executing several critically strategic projects for the Egyptian Petroleum Sector, creating added value to support the national economy. Throughout 2013, Enppi as an EPC Main Contractor, executed major local and international projects (on a lump-sum turnkey basis) in the Oil & Gas, Petrochemicals and Power industries, in the MENA region, GCC and North America.
Annual Report 2013

Major Projects & Work Authorizations
## Major Contracts signed in 2013

In 2013, Enppi framed contractual agreements to implement 15 local and international projects for:

- Al Amal Petroleum Company (AMAPETCO)
- Badr Petroleum Company (Bapetco)
- The Egyptian Ethylene and Derivatives Company (ETHYDCO)
- Egyptian Refining Company
- Khalda Petroleum Company (KPC)
- PDVSA
- Belayim Petroleum Company (Petrobel)
- Petro China Company Limited
- Qatar Petroleum Company
- RWE
- Egyptian Maintenance Company
- Egyptian Styrenics Production Company - Estyrenics

## Work Authorizations signed in 2013

Also in 2013, Enppi signed 40 Work Authorizations (WA) for several companies in the Petroleum Sector.

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>WA</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Egyptian Ethylene and Derivatives Company - ETHYDCO</td>
<td>2</td>
</tr>
<tr>
<td>Belayim Petroleum Company (Petrobel)</td>
<td>5</td>
</tr>
<tr>
<td>Badr Petroleum Company (Bapetco)</td>
<td>6</td>
</tr>
<tr>
<td>Khalda Petroleum Company (KPC)</td>
<td>2</td>
</tr>
<tr>
<td>Pharaonic Gas Company (PhPC)</td>
<td>2</td>
</tr>
<tr>
<td>Qarun Petroleum Company (QPC)</td>
<td>2</td>
</tr>
<tr>
<td>Rashid Petroleum Company (Rashpetco)</td>
<td>7</td>
</tr>
<tr>
<td>Ganoub El Wadi Petroleum Holding Company (GANOPE)</td>
<td>2</td>
</tr>
<tr>
<td>United Gas Derivatives Company (UGDC)</td>
<td>2</td>
</tr>
<tr>
<td>Gulf of Suez Petroleum Company (Gupco)</td>
<td>3</td>
</tr>
<tr>
<td>Burullus Gas Company</td>
<td>1</td>
</tr>
<tr>
<td>Alexandria Petroleum Company</td>
<td>1</td>
</tr>
<tr>
<td>Egyptian Liquefied Natural Gas Company (ELNG)</td>
<td>1</td>
</tr>
<tr>
<td>General Petroleum Company</td>
<td>1</td>
</tr>
<tr>
<td>PetroZeit Company</td>
<td>1</td>
</tr>
<tr>
<td>Western Desert Operating Petroleum Company (Wepco)</td>
<td>1</td>
</tr>
<tr>
<td>East Zeit Petroleum Company (Zeitco)</td>
<td>1</td>
</tr>
</tbody>
</table>
**Qasr Compression Station**

**Khalda Petroleum Co. (KPC)**

The project aims at installing a gas compression station (four trains) to maintain gas pressure and the condensates produced from the wells at 123 bar. The produced gas will be sent for treatment at Salam and Obayed stations. The pressure of gas produced from the wells is expected to drop from 120 bar to less than 30 bar in the coming years.

**CONTRACT TYPE**
EPC LSTK

**SCOPE OF WORK**
Detailed engineering, procurement, construction, and pre-commissioning and commissioning.

**COMPLETION DATE**
February 2015
Assil & Karam Gas Development Project
Badr El-Din Petroleum Company (Bapetco)

Phase 1:
The project aims to produce 164 MMscf/d of gas from the Karam high CO2 gas field and 60 MMscf/d from the Assil gas Field in the Alam El Shawish West (AeSW) Block in the Western Desert. The scope of work includes a CO2 removal plant, Pipelines and Modification to existing BED-3 Facilities. The gas will be pre-treated prior to further processing at the existing Bapetco BED-3 plant to be transmitted through the export gas pipeline to Ameriya gas plant.

Phase 2:
Consists of a VRU package (vapour recovery unit) where this package aims to reuse the exhausted vapour instead of venting which will increase the efficiency of the plant and reduce the emissions and protect the environment.

CONTRACT TYPE
Professional Services & Construction Lump-sum, Material Disbursable – EPC Turnkey.

SCOPE OF SERVICES
Detailed engineering, material supply, construction, commissioning & start-up
Enppi scope of work includes:
- Pipelines and well hook-ups
- CO2 Removal Plant
- BED 3 tie-ins and modifications

COMPLETION DATE
Phase 1: June 2014
Phase 2: March 2015
The project aims to expand West Harbor plant design capacity to 585 MMSCFD by upgrading the existing facilities and the associated utilities. The project covers the installation of a new additional gas compression unit, additional flare unit, new tanks, as well as Nitrogen and MEG units; addition to electrical & instrumentation installation, fire and gas detection and fire protection systems.

**CONTRACT TYPE**
EPC LSTK

**SCOPE OF WORK**
Detailed engineering, material & equipment supply, construction, and commissioning & start-up.

**COMPLETION DATE**
June 2014

The project aims at the execution of the EPC scope of work for the 460 KTA Ethylene and 20 KTA Butadiene plant at Ameriya.

**CONTRACT TYPE**
EPC LSTK

**SCOPE OF WORK**
In a joint venture between Enppi and TOYO, the project scope covers basic engineering, procurement, construction and commissioning.

**COMPLETION DATE**
September 2015
Utilities Project for New Ethylene & Derivatives Complex

The Egyptian Ethylene and Derivatives Company (ETHYDCO)

ETHYDCO intends to execute Utility Plant to provide the New Ethylene and Derivatives Complex with its requirements of different types of utilities.
The New Utilities Plant shall be built to serve the following:
- Ethylene Plant
- Polyethylene Plant
- Butadiene Plant
- Polybutadiene plant

**CONTRACT TYPE**
Lump-sum / Reimbursable

**SCOPE OF WORK**
Detailed engineering, procurement services, construction supervision, pre-commissioning and commissioning supervision and overall management up to commissioning, start-up and performance tests.

**COMPLETION DATE**
April 2015 for construction, installation and commissioning;
September 2015 to complete performance tests (PAC) with the start of production at the Ethylene Plant.
Gulf of Suez Petroleum Co. (Gupco)

Rehabilitation of Gupco offshore/onshore facilities to access and improve the safety and operational integrity of these facilities. The project is executed in several phases.

**CONTRACT TYPE**
Lump-sum

**SCOPE OF WORK**
Engineering evaluation of the facilities’ current state and specify the required modifications, as well as basic & detailed engineering, procurement and construction supervision and overall project management.

Phases I&II for the Project were completed in which the rehabilitation work was done for both (Badri and July 10 platforms), while engineering design & work for both (Ramadan 6 and Morgan 36) is ongoing in Phase III.

**COMPLETION DATE**
June 2014
The project aims to replace the extracted solvent with N-Methyl-2-Pyrrolidone (NMP) in order to increase the raffinate product quality and unit feed rate and reduce solvent consumption.

**CONTRACT TYPE**
Lump-Sum

**SCOPE OF WORK**
Basic engineering, procurement services, construction supervision and commissioning assistance.

**COMPLETION DATE**
April 2015
Local Projects

Ammonia / Urea New Plant - Aswan

KIMA

The project aims to construct Ammonia/Urea plant with a design capacity of 1200 MTPD, 300 MTPD of which shall be diverted for KIMA’s industrial needs, and the balance will be utilized in Urea production.

CONTRACT TYPE
Percentage of project actual contract.

SCOPE OF WORK
Enppi as the Project Management Contractor (PMC) will represent the client in all project phases including engineering designs, procurement services, construction and commissioning assistance, also review and approval through the Integrated Project Management Team (PMT) to assure full adherence of EPC Contractor to the contractual obligations.

COMPLETION DATE
December 2016

Kalabsha Development Project - Western Desert, Egypt

Khalda Petroleum Company (KPC)

The project aims to develop the facilities at Kalabsha and overcome the downstream bottlenecking till the receiving point at El Hamra facilities to produce 40,000 BOPD

CONTRACT TYPE
Lump-sum / Cost Plus

SCOPE OF WORK
Basic & detailed engineering and procurement.

COMPLETION DATE
February 2014
ANRPC contracted the consortium of Enppi and Petrojet to construct a new Naphtha Hydrotreating (NHT) unit. The new NHT unit shall be designed in accordance with a design package of the technology provider to produce treated Light Naptha with a capacity of 317,000 T/A and treated Heavy Naptha with a capacity of 494,000 T/A, in addition to the production of LPG with a capacity of 7,850 T/A.

**CONTRACT TYPE**
Turnkey

**SCOPE OF WORK**
Enppi, as consortium leader in this EPC project performs detailed engineering, procurement services and commissioning & start-up assistance up to the successful performance tests.

**COMPLETION DATE**
Completed in June 2013
Amer 8 Platform and Related Onshore & Offshore Facilities Development Project - Gulf of Suez, Egypt

General Petroleum Company (GPC)

GPC contracted Enppi to lead the consortium of Enppi, Petrojet and PMS to perform the engineering services for Amer 8 platform and the new offshore & onshore facilities of the new North Amer Field in the Gulf of Suez.

CONTRACT TYPE
Lump-Sum professional services

SCOPE OF WORK
In this EPC project, our scope covers basic & detailed engineering, procurement services, construction supervision, offshore installation works supervision, commissioning & start-up assistance and overall management.

COMPLETION DATE
The manufacturing, installation and commissioning of the platform was completed. Onshore work on the other hand was ended in December 2013.
Hilal Redevelopment Project (Hilal B Platform) - Gulf of Suez, Egypt

Gulf of Suez Petroleum Company (Gupco)

The project comprises a new offshore platform (Hilal B) to replace the existing Hilal GH-404 platform.

The new Hilal B platform will be designed as an unmanned, nine-slots (4 legged) platform to handle full well stream transfer with fluids normally flowing through the topsides production manifold and an 18” export pipeline to Ras El-Ush onshore terminal, approximately 300 m away from the existing Hilal GH-404 platform at a water depth of about 80 m. The platform topside facilities include manifolds, multiphase metering, chemical injection, pig launchers and receiver, and photovoltaic power generation.

CONTRACT TYPE
Reimbursable

SCOPE OF WORK
Enppi scope in this project is FEED for the new Hilal B platform including engineering of the platform jacket, topsides and tie-ins to subsea pipelines, long lead items request for RFQ's, project cost estimate, FEED technical package.

COMPLETION DATE
February 2014
The project aims to increase the capacity to separate water from the extracted oil to meet present and future production requirements, through the execution of a third production unit with a capacity of 110,000 BOPD.

**CONTRACT TYPE**
Lump-sum

**SCOPE OF WORK**
The consortium of Enppi and Petrojet was assigned to perform detailed engineering, procurement services and commissioning assistance.

**COMPLETION DATE**
February 2014
Deka (Denis-Karawan) Subsea Field Development  
Belayim Petroleum Company (Petrobel)  
The purpose of this Project is to develop Denis and Karawan areas by drilling five new wells and collecting the produced gas by PLEM’s and protecting the pipelines by using HIPPS and controlling the wells throw umbilicals utilizing Subsea X-mas trees technology.

**CONTRACT TYPE**  
Lump-sum for Professional Services

**SCOPE OF WORK**  
Technical support and issuance of technical evaluation report for the project equipment suppliers.

**COMPLETION DATE**  
December 2014

---

**New Polyethylene Plant 400,000 MT /Y**  
**Egyptian Ethylene and Derivatives Company (ETHYDCO)**

The project aims at constructing a new Polyethylene Plant with a production capacity of 400,000 metric ton per year at ETHYDCO’s Petrochemical Complex in Alexandria. The new Polyethylene Plant utilizes gas phase polymerization technology based on Univation’s license UNIPOL™ PE process technology and comprises two trains of equal capacity designed to produce both Linear Low Density (LLDPE) and High Density Polyethylene (HDPE) as well as Bimodal HDPE. The project is being executed by a Consortium between Enppi and TOYO Engineering Corporation.

**Contract Type:**  
Lump-sum Turnkey

**Scope of Work:**  
review of basic engineering, detailed engineering, procurement, construction, pre-commissioning, commissioning, start-up and performance testing.

**Completion Date**  
February 2016
Local Projects

Provision of Engineering Services - ERC

Egyptian Refining Company (ERC)

Egyptian Refining Company (ERC) is executing Refinery Project for upgrading Atmospheric Residues of Cairo Refinery by constructing three major new units; VDU (Vacuum distillation unit), HCU (Hydrocracker unit) and DCU (Delayed Coker unit). Middle distillate and Naphtha produced from each unit and Cairo Refinery will be treated at newly installed NHT (Naphtha hydro treating unit) and DHT (Distillate hydro treating unit). Additionally, A former including CCR unit to produce reformate will be installed. This project includes Utility and Offsite facilities to fully support new units to process targeted feed and products. Also, integration with existing facilities with neighboring companies shall be developed. Particles involved and relevant scope are:

ERC (Egyptian Refinery Company (TAKRIR) S.A.E : Owner
GS: EPC Turnkey Main Contractor

CONTRACT TYPE
Reimbursable man-hours.

SCOPE OF WORK
Provision of personnel to perform consultations work for engineering, procurement, construction supervision and project control activities related to project execution by ERC and other project contractors.

COMPLETION DATE
August 2016
The objective of this project is to produce Styrene Monomer with Investments expected to be around US$460 million and with Production Capacity of 300,000 Metric Tons Annually “MTA” (utilizing the Advanced Technology License of BADGER – Boston, USA) – which is owned by Technip and Exxon Mobil in Petroleum Projects Zone in Alexandria for Egyptian Styrene & Polystyrene Production Company (E-STYRENICS) in order to cover the Feed demanded for the existing Polystyrene Project (which was an EPC Project accomplished by Enppi and Petrojet) together with availing Quantities for Exporting.

The Project is executed in two Phases (Total Duration of 36 Months):

• **Phase 1** with 6 Months Duration (Enppi as Main Contractor for a Lumpsum Contract with Technip Italy as Subcontractor) includes the Early Works for FEED Book Issuance.

• **Phase 2** with 30 Months Expected Duration (Enppi as Main Contractor for a Turnkey Lumpsum with Technip Italy and Petrojet as Subcontractors) includes Detailed Engineering, Procurement, Construction, Pre-commissioning, Commissioning, and Start-up.

**CONTRACT TYPE**
Enppi as Main Contractor for Engineering Services Lumpsum Contract.

**SCOPE OF WORK**

- **Phase 1**
  - Early Works for FEED Book Issuance.
  - Total Investment Cost Estimates development together with support for required Procedures with Financial Institutes.
  - Reviews and Negotiations for the EPC (Phase 2) Contract.

- **Phase 2**
  - Detailed Engineering.
  - Procurement.
  - Construction.
  - Pre-commissioning, Commissioning and Start-up.

**COMPLETION DATE**

- **Phase 1**: August 2014
- **Phase 2**: First Quarter of 2017 (30 Months Execution Duration following to Phase 1 Completion)
The aim of the project is to upgrade the existing control system & safety isolation system, CCTV and Fire & Gas systems.

**SCOPE OF WORK**
The scope includes Installation of instrumentation and control devices, fire alarm system, fire protection, CCTV system and telecommunication systems and interfaces with existing systems in addition to pre-commissioning and commissioning /start up assistance.

**Project in Figures:**
- Total instrumentation cables: 200,000 meters
- Number of instruments: 750 ea
- Total fire alarm cables: 85,000 meters
- Number of fire alarm devices: 290
- Number of CCTV cameras: 37 ea
- Total optical fiber cables: 40,000 meters
- Total weights of steel: 40 tones
- Total cable trays: 8500 m

The Project aims to upgrade the existing single loop controllers by a new DCS/ESD System in addition to the upgrading of 6 existing heaters by replacing the fuel gas system, revamping for ignition system with the relevant Burner management system.

**SCOPE OF WORK**
Enppi E&I installations is performing the construction of BMS building and Extension for the existing control room building. Scope also includes mechanical, electrical, instrumentation, fire detection works, electromechanical, Pre-commissioning, commissioning and signals migration from existing to new control/shutdown system.

**Project in Figures:**
- Excavation: 500 m³
- Concrete work: 430 m³
- Installation of fuel gas skid: 6 EA (6 ton each)
- Total cables: 110,000 meters
- Number of instruments/ fire & gas devices: 620 EA
- Signals to be migrated: 1420 EA
- Total weight of steel: 50 tones
- Total cable trays: 2600 m
Upgrade El-Gamil Onshore Plant Earthing System

Belayim Petroleum Company (PTB)

The project aims to upgrade the earthing network at site.

SCOPE OF WORK
Survey and measurements for the existing network to determine the defects and problems with the existing network, and provide the necessary recommendations.
Replace the damaged cables by new ones, also add new earthing rods for the earthing network in order to improve its resistance; covering:
- Gasoline tanks
- Mechanical arms used for shipment
- Control Room
- Electrical substation

After upgrading the earthing network, the tests will be performed to confirm the effectiveness of earthing network at site.

EXPECTED COMPLETION DATE
February 2014
Yanbu Export Refinery Project, Tank Farm Package SP-1

Yanbu Aramco Sinopec Refining Company (Yasref) Ltd.

The Yanbu Export Refinery Project (YERP) is a grass-root 400,000 barrels per stream day (BPSD) integrated petroleum refinery in the Yanbu Industrial City located on the west coast of Saudi Arabia along the Red Sea. The refinery will process 100% Arabian Heavy Crude and will produce gasoline, high quality diesel and liquified petroleum gases (LPG) as well as by-product sulphur and petroleum coke for export.

The tank farm package SP-1 of YERP includes 33 storage tanks with different diameters (12.5 to 120 m), sizing up to 1.2 million barrels, 13 spherical tanks, 60,000 barrels each and spheroids.

After Enppi’s distinctive performance in the project Yasref Company has assigned additional works for the company which includes:

- Basic and detailed engineering designs, procurement services and implementation of connecting and measurement of crude oil to the refinery.
- Basic engineering design of the transfer, mixing and storage of MTBE.
- Detailed engineering design work for the completion of MC-04 project.

CONTRACT TYPE
Lump-sum / Turnkey

SCOPE OF WORK
EPC main contractor for basic & detailed engineering, material supply, construction and commissioning.

EXPECTED COMPLETION DATE
June 2014
Supply of Crude Oil from YCOT to Yassref Export Refinery (Additional Scope 1)

Yanbu Aramco Sinopec Refining Company (Yasref) Ltd.

The purpose of this project is to supply YASREF crude oil tanks with Arab Heavy crude oil from YCOT existing plant through existing YCOT YR Pumps. The project starts at the common discharge U/G header of YCOT tanks T-1, 2, 3 where a new interconnecting AVG pipeline will be connected to reach the Existing YR pumps. The YR pumps discharge will then be connected to a new metering skid before connecting to the interface point with SP2 inside YCOT fence.

**CONTRACT TYPE**
Lump-sum / Turnkey

**SCOPE OF WORK**
The scope includes purchasing and installing a new METERING SKID with PROVER in addition to relevant PLC and flow computer panels.

The scope also includes the Refurbishment of the YR existing Pumps by “WEIR Pumps” to accommodate the new process conditions required to transfer crude from YCOT plant to YASREF through pipeline.

The scope is based on engineering, procurement and construction (LSTK) basis for mechanical, civil, piping, electrical and instrumentation activities.

**COMPLETION DATE**
- **Phase 1:**
  - June 2014 (Early Start-up)
- **Phase 2:**
  - October 2014 (YCOT)

Site Completion Package (MC-4) (Additional Scope 2)

Yanbu Aramco Sinopec Refining Company (Yasref) Ltd.

Yasref has Awarded Enppi the execution of The Site Completion package MC-4 for Yanbu Export Refinery Project (YERP). The Project includes the plant roads construction work up to the road marking and traffic signage with a total surface area of roads equals 190,000 sq. meters, construction and concrete lining for Storm water ditches and trenches. Also, the package includes the plant security related items including the inner and outer patrol roads with a total length of 18 km, perimeter Fences and a K-12 Grad Anti-Ram crash barrier. Also, a Coastal road of an approximate length of 4 km.

**Contract Type**
Unit Rate

**Scope of work**
EPC Main Contractor for detailed engineering, material supply and construction.

**Expected Completion Date**
October 2014 (MC-4)
Gas Processing Unit for Domestic Consumption

PAGMI Project for PDVSA, Venezuela

The main target of the project is to treat the gas produced from offshore fields in Patao/Dragon areas with a production capacity of 600 MMSCFD of Lean Gas. The Project also comprises the separation works including undesired materials separation; Slug Catcher, Inlet Scrubber, gas purification activities and filtration Systems, gas dewatering and gas dehydration using Molecular Sieve Technology. The project also includes the following utilities: Compressed Air, Fuel Gas System, Water Supply System, Chemical injection System, Gas Flaring System, Open/Closed Drainage System, Waste Water Treatment System, Electrical Generation and Distribution System, Communication System and Fire Fighting Water supply system.

Contract Type
Lumpsum for basic engineering review & detailed engineering, cost plus for material supply & construction management.

SCOPE OF WORK
Basic engineering review, detailed engineering, material supply, construction management and project management.

Completion Date
March 2015
Missan Oil Export Pipeline
PetroChina International Iraq FZE - Iraq Branch.

Missan Oil Export Pipeline (MOEP) starts from the designated Halfaya junction point (meeting point of Halfaya and Buzurgan oil field branch pipelines) in Missan Governorate south east of Iraq, and runs mainly in south direction till its terminal near Fao depot in Basra Governorate, the pipeline diameter is 42” with total length about 272 km.

The 42” pipeline is designed to export 1,000,000 BOPD, and is divided into two segments; segment “A” extends for some 121 km starting from launching trap room at Halfaya junction point till intermediate trap room at Bin-Umr, while segment “B” extends for some 151 km starting from intermediate trap room at Bin-Umr till receiving trap room near Fao depot terminal.

The pipeline shall be fitted with SCADA system and 14 block valve rooms along its entire route.

CONTRACT TYPE
Actual man-hour working time (Time Sheet).

SCOPE OF WORK
All project management consultancy services related to the project including planning, engineering design, procurement, construction, commissioning / start-up and performance testing of the project.

COMPLETION DATE
August 2014
Technology Development...

In the Field of Petrochemicals

The Egyptian Ethylene and Derivatives Company (ETHYDCO) assigned Enppi as main contractor to perform basic and detailed engineering for ETHYDCO Utilities & Off-sites project. This includes the utility units, services and water treatment unit, necessary for the ethylene and polyethylene petrochemical production complex in Alexandria.

The aim of the design of water treatment plant project is to reuse 100% of the treated water for steam production and cooling of the project using ZLD technology (Zero Liquid Discharge) with a capacity of 30 cubic meters per day, including the following modules:
- Micro Filtration “MF”.
- High Efficiency Reverse Osmosis “HERO”.
- Fractional Electro Deionizer “FEDI”.
- Brine Concentrator & Crystallizer.

The ZLD based water treatment unit and retrieval is considered to be leading in the field of water treatment resulting from ethylene and polyethylene units to meet the Egyptian petroleum sector’s environmental policy for reducing the proportion of phenol (one of the most significant water pollutants from polymers production units).

Polyethylene Technology

In conformity with Enppi Strategy to expand its scope of work in the field of Petrochemicals Industry projects to gain knowledge, and acquire the brand-new international technologies, TOYO International has contracted Enppi to perform the detailed engineering designs for the Polyethylene Project with a production capacity of 400 KTA for ETHYDCO Company to produce Ethylene and Polyethylene at the Petrochemicals Complex in Alexandria using “UNIVATION” International License.

The technology depends mainly on the Ethylene Polymerization reaction using (Unipol Gas Phase Technology) in “Fluidized Bed Reactor”. A new type of “Bimodal Catalyst” is utilized to produce the Polyethylene Pellets which are adequate to manufacture final product enough for multiple end uses. Hence, the project value-added is elevated through increasing Polyethylene production to meet the local market and export needs.

Enppi accomplished successfully the detailed designs of the P&ID’s for Feed Units, including:-
- Hydrogen.
- Nitrogen.
- The Raw material used in Reaction “Ethylene”.
- Chemical substances accompanying the raw material in the reaction.
- The Utilities Units.

The Completion of the detailed designs of Phase II will be done for the remaining units and reviewing the final designs of vendors, comprising:-
1. The First Reaction Line.
2. The Second Reaction Line.
3. The Recovery Unit of the Bimodal Catalyst, and Gases.
4. Units of transferring, and extruding of reaction products from the reactor.
5. Units of reforming the Pellets in the final product shape.
6. Units of bagging the final product.
Business Development Activities

During 2013 Enppi’s Business Development Division has implemented several activities, and tasks in terms of contribution in the local and global tenders. Moreover, Enppi penetrated industries other than the oil and gas field, cooperating with global design and construction corporations, and establishing regional companies at the Arab Gulf countries, in addition to registering Enppi as a global engineering and main Lump-sum Turnkey Contractor in many local and international companies as follows:

A. Oil and Gas Field:

Enppi has been qualified to participate in several local and global tenders & bids, with scope of work varying from basic designs to the project Lump-sum turnkey for many petroleum companies such as; Kuwait Energy in Iraq, KNPC in Kuwait, Qatar Petroleum, Oxy in Qatar, PDO in Oman, Oman Oil Refineries and Petroleum Industries, SAFER in Yemen, the Jordanian Ministry of Energy and Renewable resources, Petro-China in Iraq, MCPEC in Singapore, SUMED, Abu Qir, E-Styrenics, Rashid, EPC, Burullus, Gupco, ERC, and others.

B. Other Industries:

Enppi has performed several activities in industries other than the Oil and Gas Field inside and outside Egypt, mainly participating in tenders for infrastructure projects and facilities services at Mining Industries «Phosphate» in Kingdom of Saudi Arabia for Saudi Arabian Mining Company (Ma’aden). Enppi has also participated in Prequalification and tenders for Renewable Energy Industry in cooperation with Spanish and German Companies. Enppi started proceeding in other projects of fertilizers and chemicals industries (Nitric Acid).

C. Cooperation with International Companies:

Enppi is cooperating with Technip, participating in numerous tenders and bids inside and outside Egypt; Several cooperation agreements and memorandum of understanding have been signed with Arab Contractors Company, Enerpal International-Spain, Sapura clough-Australia, D’Appolonia S.P.A.-Italy, Onera-Systems, in addition to Solar World, SMA, and other companies in order to establish integrated entities to contribute in onshore and offshore projects in African and global markets.

- It is worth mentioning that the business development division has contributed with an active role through participating in several prequalification & bids for many international projects during 2013 and also the company’s participation in tenders for year 2013 in different countries.
- Enppi has also successfully executed several missions based on its vision to maximize its opportunities in the global projects in the following Countries:-

Kingdom of Saudi Arabia «KSA»:
- Enppi International has been established for taking part in KSA projects.
- Enppi has been registered as an EPC main contractor, Lump-sum turnkey in the following companies; Sadara & Ma’aden Companies.
- Enppi has been qualified to participate in two tenders for Saudi Arabian Mining Company (Ma’aden) as a main turnkey contractor.
Kuwait:
- Enppi participated with other Egyptian Petroleum Sector delegates in the visit to Kuwait in order to boost the effective participation of the Egyptian Companies in the Kuwaiti projects.
- Two unrestrictive agreements have been concluded, noting that Enppi has already been registered at Kuwait Oil Company (KOC) as an EPC Main Contractor, and it is on the process to upgrade company’s qualification to participate in major tenders.
- Enppi has been qualified in the field of engineering consultancy in Kuwait Oil Co. (KOC) as well as engineering services project for Kuwait National Petroleum Co. (KNPC), in addition to the qualification to participate in three Cost plus turnkey projects for the Kuwait National Petroleum Co. (KNPC).

Qatar:
- Enppi Middle East has been established to facilitate obtaining projects in Qatar in various fields.
- Enppi Middle East registration in Oil & Gas companies is on the process such as; Qatar Petroleum, Qatar Gas and Ras Gas Co.
- Enppi has been qualified for: Structural Re-assessment of ISND/ISSD platforms for Oxy Co, FEED for Desalinated water distribution network, Study of SAW Pipe-mill.

Sultanate of Oman:
- Enppi has established a local branch in the Sultanate of Oman,
under the name of «Enppi Muscat L.L.C.» to maximize opportunities to participate in local Omani oil and gas tenders, in addition to the other contracting activities.

• Enppi has arranged several visits for the Operating Companies in Oman for registration in tenders, and has also participated in various global conferences in oil & gas field which were held at Oman.

• Enppi has been qualified to participate in two cost plus / turnkey tenders for Petroleum Development in Oman Co. (PDO) in collaboration with one of the Omani companies.

• Enppi presented an offer to execute engineering design activities for one of the local companies.

• Enppi Muscat is under preparation to be qualified as a contractor for the designs, and installation activities with Petroleum Development in Oman Co. (PDO).

Iraq:

• Enppi office registration in Iraq is about to be converted to a foreign company branch.

• Enppi has been awarded its first project in Iraq for Petro-china international FZE – Iraq Company which is project Management consultancy services to manage oil pipelines in Missan Field project.

• Enppi was invited to participate in several tenders in Iraq.

• Enppi is currently preparing to be prequalified and registered in the remaining Iraqi companies, and some International companies such as; the North Oil Co. - South Refineries Co. - Oil Pipelines Co., Lukoil in Iraq.

United Arab Emirates «UAE»:

It has been agreed to establish a local company (Enppi - Emirates), where Enppi will be re-registered, and qualified in the operating companies in Abu Dhabi through this new local company.

Yemen:

• Enppi has been qualified to submit a technical & financial offer for Cryogenic Gas Plant LPG Project for Safer Co.

• Enppi was qualified for the Thermal Power Plant project for Aden Refinery Company.

Jordan:

• Enppi has established an office in the Jordanian capital Amman, it is on the process to follow up the Jordanian and foreign operating companies in Jordan and do visits to obtain opportunities, as the Jordanian market is open to foreign investment, especially Chinese and Indian, and therefore there is a strong competition.

• Enppi has been qualified for 6 projects in Jordan for: Aqba Development Company (ADC), the Jordanian Ministry of Energy, and Fai-Jordanian Company.

Libya:

• Enppi has been registered in Waha Oil Company.

• Enppi is on the process to be registered in Brega petroleum marketing company - The Ministry of Youth and Sports.

• Enppi has been qualified to participate in a number of Libya’s tenders in the following companies: (Building NOC Benghazi - Waha Oil Company - Mellitah Oil & Gas Company)

Venezuela:

• Former Egyptian President; Gamal Abdel Nasser statue was inaugurated in the capital Caracas to consolidate Egyptian - Venezuelan relations in general and relations between ENPPI and PDVSA Co. in particular.

• Venezuelan President; Hugo Chavez statue was inaugurated in the Egyptian capital within the celebration of the Venezuelan cultural week, which was carried out by the Venezuelan Embassy in Egypt, and Enppi was the main sponsor of this celebration.

Vietnam:

• Enppi has been qualified for participation in the tender for establishing offshore platform to PETRONAS Company with MCPEC Company.

Uganda:

• Enppi has participated in the first conference for energy, oil and gas in the Ugandan capital Kampala, in the frame of interest in the African continent, and as a trial to investigate African markets.

Other Countries:

• Enppi has participated in prequalification and tenders in other countries such as; Algeria, Sudan, Lebanon, Tunisia & Colombia.
Enppi R&D extended its activities to include technical and scientific cooperation with various institutes working in the subject field and specially those relevant to the oil, gas and petrochemical industry. In this regard Enppi activated the cooperation agreement with the “German University in Cairo – GUC”, and as an inauguration, a research agreement relevant to “Failure Assessment and Acoustically Induced Vibration in Piping” shall take place utilizing the mutual experience of the GUC experts jointly with Enppi piping engineers. As for the (M.O.U) with the Research and Development Center (division of the Egyptian Oil & Gas Ministry), activities are currently in progress relevant to:

- Blending of Methanol with Gasoline
- Blending of Diesel with DME
- Blending of Butagas and DME

A number of lab experiments were accomplished specially for the Methanol & Gasoline Blending aiming at producing a high octane number of the mixture through the provision of a measuring device which can positively affect the accuracy of achieved results. Alongside, Enppi engineers participated in remarkable research events relevant to the oil and gas technology to achieve the required link between the research activities and the practical implementation for the sake of serving the petroleum industry.
In conformity with Enppi strategy for developing the labor cadres, being the essential factor in improving job performance and situating a competitive edge for organizational challenges, in this regard, Human Resources division exerted many accomplishments to Enppi employees, together with extending its role in this field of experience to serve the Petroleum Sector in Egypt & Arab world.

1. Human Resources Planning:
HR planning continued to implement their activities in recruiting in order to fulfill ISO requirements and to establish the Human Resources Information Systems (HRIS); More than 1000 Job Descriptions (JDS) have been completed and published via intranet to enable all Enppi staff to have an easy access to all Job Descriptions in order to help them planning their Career Progression. Moreover, “Areas of Prerequisite Training” Program has been launched via Enppi intranet to help the staff participate and plan their own development program jointly with their managers. Furthermore, Recruitment & Selection (R&S) Instruction Manual was published for implementation which included establishing Protocol with Top-tier Universities and Recruitment Agencies in order to attract highly qualified calibers that will achieve company business goals.

2. Training for Enppi Employees:
During 2013, (8697) trainees participated in (1761) programs, conducted in-house at Enppi Headquarters, or in coordination with local and international training centers in various fields of specialties.

2.1. Technical Programs:
(580) technical programs have been executed for (5486) engineers in various engineering specialties such as: Process & Information Technology, Mechanical, Electrical, Civil, Offshore, Instrumentation, Piping Engineering, Construction, Project Controls in addition to other fields including: Quality & Environment Management systems, Health & Safety, Financial, Administrative & Legal.

2.2. Acknowledged Specialized Certificates:
The acknowledged specialized certificates awarded to Enppi
employees accounted for (269) accredited certificates in Engineering, Technical & Administrative fields such as: Welding & Painting Technology, Project Management, in addition to Health, Safety Environmental Management Systems & Information Technology Certificates.

2.3. Health & Safety:
In accordance with the utmost need for implementing health & safety regulations for employees at administrative locations & project sites, HR division continued to implement the comprehensive plan (started year 2007) to proceed with health & safety concepts, where (5167) employees participated in (335) specialized programs, including defensive driving, First Aid, Fire Fighting and Accident/incident Investigation. Moreover, awareness sessions were conducted at work sites for contractors/subcontractors’ team at various project sites.

2.4 Quality, Environmental, Health & Safety Management Systems:
A remarkable number of training programs and in-house awareness sessions was conducted for (606) participants to acquaint Enppi engineers on quality, environmental, safety and occupational health management systems including:
• ISO 50001 Energy Management System
• ISO 29001 Quality Management System
2.5 Training for New Engineers:
Intensive orientation programs for (83) of Enppi new comers have been conducted for full awareness of Enppi scope of work. The training includes theoretical education & practical implementation.

2.6 Training at Petroleum Sites:
(247) Engineers were trained at different petroleum company sites to help acquire necessary experience namely: QARUN & MIDOR...etc. Moreover, on-job training was conducted for groups of engineers on various company projects.

2.7 Managerial Skills Development:
In accordance with the dynamic approach of developing the managerial/behavioral skills, (836) employees participated in (81) programs to help leveraging the human competencies in the subject field ; thus situating the requested skills for middle and top management.

2.8 Seminars and Workshops:
(840) employees from different organizational divisions participated in (61) seminars & workshops in various fields.

3. Employees Training Inside and Outside Egypt:
In accordance with Enppi trend of exchanging experiences, investment and fruitful cooperation with sister gas and petroleum companies in Egyptian and Arab sector, training and human development activity has achieved distinctive effort regarding the number of programs and participants, where (324) specialized programs have been executed for (1340) trainees from the Egyptian Oil & Gas Sector and the Arab World.

Enppi Academy:
Enppi Academy continues its role towards the development and technical preparation of the fresh-graduate engineers working at Enppi as well as other Egyptian Petroleum Sector Companies. Throughout a wide range of technical programs, Enppi Academy is able to provide technical background to those engineers to bring up a specialized pool of engineers with a competitive edge inside the Oil and Gas sector. Accordingly, Enppi Academy executed two rounds of the “Introductory Module to Oil and Gas Industry” program, where 37 engineers from Enppi together with 40 engineers from other companies, namely (EGAS, ECHEM, EGPC & Khalda) participated in this program. The program mainly aims at providing the technical knowledge and working experience in the fields of design and project execution to provide engineers capable of working in accordance to International Quality Standards.

In accordance to the Mutual Cooperation with International Bodies, Enppi Academy continues to provide Emerson Educational Services under the signed Memorandum of understanding (M.O.U) agreement with Emerson Process Management. In this regard, two courses regarding “Delta V & SIS System” were executed utilizing the “Plant Web Cruiser Emerson” available at Enppi Academy. This is in addition to the “On the Job Training” of the engineering applications for the Control Unit System “Honeywell Experian PKS” currently available at Enppi Academy to enhance the practical aspect of the company’s engineers in the field of System Control Technology Utilization presented by the International Certified Sources in that field.

Administrative Affairs
In 2013, Enppi Personnel Affairs continued to pursue its role towards the company and the Petroleum Sector, in terms of meeting workload needs and generating job opportunities; Enppi has:

- Employed 86 new employees (72 of them on engineering positions).
- Appointed 22 of our temporary employment to become permanent Enppi staff.
- Modified the contracts for 88 employees from project based to permanent contracts.
- Promoted 517 employees to higher positions (49 of them upgraded to supervisory level).

New Employment

- Engineering Positions: 16%
- Other Disciplines: 84%
To maximize the benefits of using SharePoint, the following modules have been added:

- Development of Electronic Time Card application, in order to maximize use of the corporate portal, this system is being rolled out incrementally (current implementation on divisions such as IT, Cost Control, Civil Engineering, Personnel, etc.).
- Developing a new system for HR planning to keep record of job titles and codes as well as the areas of training and education necessary for the job.
- Adding the ability for all employees to view the job description and the relevant areas of training for any job.
- Adding a new feature for the employees to update their medical record and upload any necessary medical files concerning their medical case.

To maximize the benefits of Documentum:
- Utilization of Enppi Document Management System (EDMS) by creating an electronic Archive for the Finance division. This
facilitates the search and locating of financial documents as well as reducing the space taken by actual documents. Current implementation covers those departments: Taxes and Insurance, Warehouse, and Project Payables.

- Archiving closed and closing projects, which utilize file server, on document management system to facilitate lookup and referencing

- Development of Enppi Learning Management System (ELMS) to continually raise the standard of Enppi engineering teams by means of holding regular exams for the various engineering disciplines. The system facilitates testing by means of auto correcting the exam, as well as reporting the correct answer to the engineer, hence stressing the learning aspect over the examination aspect.

- SUPPLIER e-update system enables registered suppliers to update their profile data through the company’s web site. Also suppliers will be able to request adding new commodities to their
list which will be evaluated by relevant departments before they are accepted.

- Studying the flow of data between packages used within the engineering disciplines and automating it to achieve integration between them.

- Developing new Material Management system for the Procurement department which automates all the department’s activities.

- Computer Power Management: Power management is performed by studying the amount of power used through working and off hours:
  - Some power saving features were applied. Saving computers power leads to saving money and reducing the “CO₂” produced by computers power supply. In addition, saving power helps in sustaining a greener environment.

- Wake-up on LAN: A new feature is applied on the computers connected to the corporate LAN. It gives the ability to remotely power on computers.
  - This helps to manage, maintain, and install new programs during non-working hours.
  - In addition, many benefits are gained from that; such as reducing the load on the network during working hours, no need to leave computers on in non-working hours and saving users working time to increase work productivity.

- Implementing Backup-to-Disk technology: Due to the increasing growth in the volume of digital data along with the arising problems in Backup-to-tape technology, Enppi IT introduced the (DATA DOMAIN backup technology) which is a new worldwide technology that uses storage disks instead of tapes for backing up data with a special technique that minimizes the capacity used to optimum.

- Implementing virtualization technology: For obtaining better resources utilization in a cost-effective manner, IT division succeeded to implement virtualization within the company’s servers on a very wide scale. This was accomplished using (VMware) technology which is a leader worldwide in virtualization technology.

- IT External Projects Department Completed the development of EGPC Material Information System (EMIS) V3.0 using the latest software technologies; adding a new module to manage movable and fixed assets of joint venture companies in the central database of EGPC.

- Provide technical support to more than 25 companies in the petroleum sector to operate the software and to import material and assets data; ongoing throughout the year.

- Support the operation of the EGPC Surplus Marketing Website, in addition to the extraction of statistics and reports on the movement and reservation of materials between petroleum sector companies.

- Push start of the development and arabization of EMIS reports which commensurate with the format and structure of the corporate documents and emulates the corporate hardcopy document workflow.

- Office Automation Department participated in two complementary projects:
  - The first project "Update and Protection of Enppi Standard Forms Project" is for the design and protection of the company forms with higher security level while keeping the ease and flexibility of usage. Most of the company standard forms are designed, protected & published on the intranet.
  - The second project is “Updating Of Enppi Work Procedures And Instructions”, where a new numbering system has been developed to contain the expansion of the organizational structure. Numbers of the company documents standard templates are designed, protected & published on the intranet.

- Networks Infrastructure and Security department upgraded the existing IT security system to match with the new technologies in the IT security field and to prevent any type of external or internal hacking to the company information.

- Upgrading the «IP Telephony Billing System» to find out more enhanced reporting system to control and deduct the local and international calls. Also, new XML application for searching by department name in addition to employee name shall be issued early 2014.
Upgrading and re-arranging the cabling system of Enppi’s Data Center in HQ Building to match the “new 10G UTP” cabling system technologies and replace the laying topologies from raised floor system to the ceiling ladder system which is considered the most up-to-date technology in this field.

Design install, implement and start-up the local area networks (Cabling & Switches) activities in the temporary site facilities for both “Assil & Karam” sites in “Badr El-Din Petroleum Company and “Al-Qasr” site for “Khalda Petroleum Company” in the west desert area.

Prepare the technical study to upgrade the existing "Video Conference System" to match the new technologies to avail multiple video conferences in the same time and to avail the new technologies in using the video conferencing utilities such as «12X HD» cameras and «65-inch LED display unit and to launch new services such as Cisco WebEx and Go-to meetings ». 
During 2013
Enppi participated in many local and international exhibitions and Conferences in the fields of oil, gas and petrochemicals industries and offshore engineering.

Local Exhibitions:
NATC exhibition From 15 - 17 April 2013
EPRI exhibition From 10 - 12 February 2013

International Exhibitions:
- Cape V exhibition – Gabon From 26 - 28 March 2013
- SIPS exhibition Tunisia From 11 -13 April 2013
- OMC exhibition – Italy From 20 - 22 March 2013
- KOGS exhibition – Kuwait From 8 - 10 October 2013
- UMEC exhibition – Uganda From 26 - 29 March 2013
- Offshore Middle East Conference and Exhibition 2013
  Doha – Qatar – January 2013
- Oil & Gas Libya 2013 – Tripoli – Libya –International Fairground April 2013

Interior Design & Exhibition Technical Services Department

Interior Design & Technical Services:
Enppi has executed and supervised many internal, external projects, and exterior projects’ sites in the field of interior design, technical services, décor, and furniture.
External Projects:
Designing & Furnishing of MEDICAL CENTER

Internal Projects:
Designing & Furnishing Badr El-Din Project - 6th floor - East Gas

Exterior Project’s Sites:
• Designing & Furnishing Assil & Karam Projects site.
• Designing & Furnishing Khalda El-Qasr projects’ site.
• Designing & Furnishing Belayim Petroleum projects’ site – Abu Rudeis.
• Designing, Furnishing & Renovation HQ’s Cafeteria - Gr. floor – Enppi HQ
• Designing & Furnishing Polyethylene Project - 5th floor – Enppi (Abul Atahya)

Technical Services:
• Designing & Executing LCD’s Stands
• Admin. Department’s Archive
• Designing & Furnishing Training Depart.- 7th - 8th floor – Enppi (Al Sefarat)

Conferences:
3. The PDAC Conference, March 2013, Toronto, Canada.
7. ”Prevention & Reduction of the Fire Hazards, Crises Management, Occupational Health and Safety", April 2013, Cairo.
8. The 23rd Conference on ”Environmental Protection is a Must", May 2013, Alexandria.
10. Industry & Environment Conference, May 2013, Cairo.
11. Offshore Integrity Management Conference, May 2013, Doha, Qatar.
12. The 4th Annual Middle East Firesafe Conference, Dubai, UAE.
Cultural Activities & Sports

Company Activities and Staff Services

In striving to enrich our people’s lives, we focus on investing in their health, leisure, culture and sports. The social aspect in 2013 was also very eventful with a good number of religious, entertaining and cultural trips with high financial support.

• Through the structured efforts of Enppi Club, we organized Umrah trips and leisure trips during mid-year vacation and other holidays.
• Enppi trips committee continuously upgrades the level of service offered to our employees. During summer 2013, the committee reserved luxurious units in summer destinations meeting all desires and expectations.
• In 2013, Enppi cultural committee organized cultural trips to historical destinations in Cairo and Giza.
Sports
And more specifically, Soccer is another feature that has recently accompanied our company’s name.

- Enppi first team participated in the Egyptian Premier League in 2012/2013 season and occupied the 2nd place; however the championship was not completed & canceled.
- Our team played in the Egyptian Cup League in 2012/2013 season and came out at round 16 after its defeat from Wadi Degla Team.
- Our team played in the CAF Confederation Cup 2012/2013, and came out at round 16.
- Four players from Enppi first team were chosen to play for the Egyptian National Team.
- Enppi soccer youth & kids sector gained wide respect of Egyptian soccer professionals during the participation in the National Tournament, Sectors League and Youth Contests at all ages. Some players were chosen to play in the Egyptian National Team. Also they won the public shield last season after strong competition with most of the sector teams.
- Our Futsal/Football Team, Above 45, had a lead in Cairo Companies League and proceeded to the National Championship played in Port Said. Our Above 35 Team played in the Petroleum Sector Football Tournament and won fourth place.

Enppi Football Academy:
In collaboration with Petrosport, a football academy was established in Katameya Petrosport Club stadiums to strengthen youth & kids sector, more where than four hundred joined this academy including many of the employees sons and now efforts are done to open other schools in partnership with the Ministry of Education.
Also we participated in karate and swimming associations with Petrosport and achieved advanced positions and players were chosen to play for the National Team.
Local Offices

**Enppi HQ in Cairo, Egypt**
1 “A” Ahmed El-Zomor Street, 8th District, Nasr City, Cairo, Egypt
P.O Box: 2521 El-Horreya, Heliopolis, Cairo 11361
Phone +202 22762137
Fax +202 22744382 / 22744981
Email: gmail@enppi.com

**Branch in Alexandria**
Petroleum Complex Alex. Desert Road (Km.19), Ameriya, Alexandria, Egypt
Phone/Fax +203 2020229 / 2020219
mob.: +2 0122207662
Email: gmail@enppi.com

**International Offices**

**Venezuela**
Francisco De Miranda Avenue, Center Plaza, Tower A, Floor 12, Office 12-G, Urbanization Los Palos Grandes, Chacao, Caracas, Miranda
Phone +58 412 825 0984 / 412 811 8307
Email: ahmedkhalifa@enppi.com
mohamedghoraba@enppi.com

**Representative Office in Italy**
Duomo - 3 Via Dogana, Milano, Italy
P.O Box: 20123
Phone +390 2867141
Fax +390 2809250
Email: dogana@abserv.it

**Branch in USA**
5444 Westheimer, Suite 1450, Houston, Texas 77056
Phone +1 713 6269318
Fax +1 713 6269324
Email: enppi-usa@mail.com

**Branch in Syria**
Bldg #13 Al- Mahdy Ibn Barka St., Abu Romanah, Damascus, Syria
Phone +96311 3336335 Fax +96311 3341950
Email: enppi@mail.sy
SherifElbakry@Enppi.com

**Branch in Libya**
Al Andalus District Tripoli, Libya
Phone/Fax +218 214780169
Email: enppi-libya@enppi.com
Branch in Jordan
Address: 7th Circle, Zahran Plaza, 3rd Floor
Tel: +962 6 550 32 34   Fax: +962 6 550 32 40
Mob: +962 79 929 66 77
Email: enppi-jordan@enppi.com

Branch in Sudan
El Faiha Building, Aly Abdel Latif Street 5th floor
Phone +2491 83789620   Fax +2491 83789619
Email: enppi-sudan@enppi.com

Branch in Saudi Arabia
Abrag Al Sebeie – 11th Floor – Al Khobar
P.O Box: 3701
Zip Code: 31952
Phone +966 3 8877142   Fax +966 3 8877143
Mob: +966500800458
Email: alaakamal@enppi-sa.com

Branch in Qatar
230 Corner El Nagma Street, C- Ring Road, El Helal Area, Doha, Qatar
P.O Box: 37104
Phone : +97433253201 / +97444660917
Fax : +97444657036
Email: khaledomar@enppi.com

Branch in Oman
Oman Trade center, office number 412, Rowa Zone
P.O Box: 210 - Muscat – Oman
Tel: +96893398781
Email: Enppi-muscat@enppi.com

Branch in Iraq
Manway Basha Business Center, Third Floor, Basrah, Iraq
Email:sherifelbakry@enppi.com
ahmedhussein@enppi.com

Yemen
Iran street, Bldg 29, Hida, Sanaa
Email: yemen@enppi.com
mohammedt2@enppi.com

Algeria
Address: Oulet Fayet Cite El Mabrouk Villa No. 1
Email: gmail@enppi.com

United Arab Emirates
Email: gmail@enppi.com

Kuwait
Email: gmail@enppi.com

Lebanon
Email: gmail@enppi.com