

Alexandria Petroleum Maintenance PETROMAINT



Silver Jubilee of PETROMAINT

PETROMAINT has developed into one of the most senior oil and gas service providers in Egypt, offering a wide range of expert services. PETROMAINT is an EGPC investment company established 1997 and recognized as the most modernized and innovative maintenance, revamp and Construction Company in Egypt, the Middle East and Africa. Armed with the state of art technology, properly equipped, highly qualified and skilled manpower. PETROMAINT provides a large array of services and solutions to Upstream and Downstream Facilities, in all shapes & Industrial plants, to support its clients to achieve business objectives and plans

Our Mission

We aligned our **highly equipped skilled workforce, integrated services, high quality management systems** to provide our clients with the latest engineering solution to meet their objective and expectations.



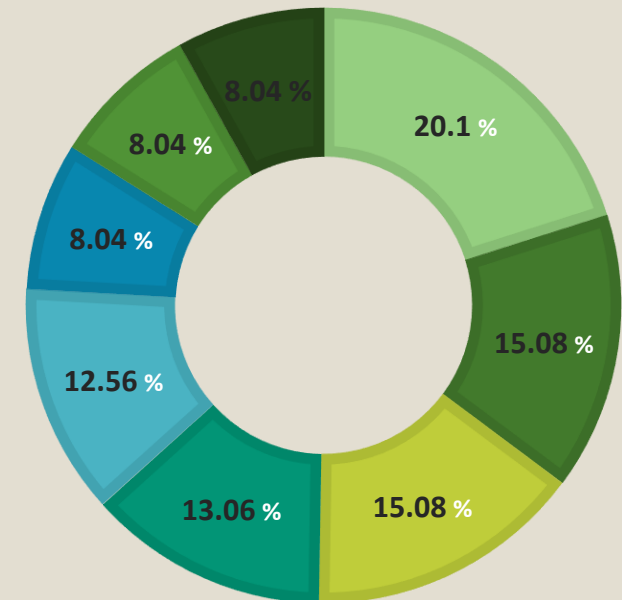
Our Vision

Our thrive inside Egypt is a clear evidence of our achievements in our services, expanding it worldwide is our target. Through implementation of high level of standards in all our services to achieve platinum client satisfaction at highest quality and precise time competitor to market prices .



SHAREHOLDERS

MIDTAP	EGYPT GAS
PETROJET	EL-BASHAREYA
BAY ME	APC
APRC	EPC



ISO 50001

ISO in Energy Management System to enhance Energy efficiency for services in O&G field.



ISO 14001



ISO 9001



ISO 45001



ASME U



ASME R



ASME S

CERTIFICATES



CERTIFICATE



Management system as per
ISO 22301:2019

In accordance with Branch of TÜV AUSTRIA Shanghai procedures, it is hereby certified that

ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
El sad Alaty St. wadi Al Gamar - max
PETROMAINT Workshops, 62 Alkarnk Fields, Al Nahda Industrial Area,
Al-Amryah, Alexandria, Egypt

applies a management system in line with the above standard for the
following scope:

**BUSINESS CONTINUITY ACTIVITIES TO PROVIDE HIGH QUALITY SERVICES FOR
OIL AND GAS UPSTREAM AND DOWNSTREAM FACILITIES, PETROCHEMICALS,
FERTILIZERS, CEMENT, LNG, POWER GENERATORS, AND
INDUSTRIAL PLANTS IN:**

- GLOBAL MAINTENANCE
- DESIGN, PROCUREMENT, FABRICATION, INSTALLATION AND REPAIR OF
TANKS, PRESSURE VESSELS, BOILERS, HEAT EXCHANGERS AND
REACTORS
- CONSTRUCTION WORKS AND REVAMP PROJECTS
- TRAINING SERVICES

Certificate No. SA-SCMS-00008

Valid until: 14.03.2024

Initial Certification Date: 15.02.2023

Issue Date: 15.02.2023



Certification Body
at Branch of TÜV AUSTRIA Shanghai

This certification was conducted in accordance with Branch of TÜV AUSTRIA Shanghai auditing and
certification procedures and is subject to regular surveillance audits.

Branch of TÜV AUSTRIA Shanghai Date A2, North Building Riyadh Gallery Mall, King Fahad Street,
Riyadh. www.tuv.austria.sa



ISO 22301

ISO in Business
continuity activities
to provide high
quality services for
O&G field.



CERTIFICATE



Management system as per
ISO 37000:2021

In accordance with TÜV AUSTRIA procedures, it is hereby certified that



ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
Head office: El- Sad El- Aly Street, El- Malahat, Wady El -Qamar Road , El -
Max Alexandria, EGYPT
Cairo Branch: Fifth District -New Cairo Plot No. 182- El Nadina Center -
Second Sector - Next to El Wastani Petroleum
Company-Cairo, EGYPT

applies a management system in line with the above standard for the
following scope:

**PROVISION HIGH QUALITY SERVICES FOR OIL AND GAS UPSTREAM AND
DOWNSTREAM FACILITIES, PETROCHEMICALS, FERTILIZERS, CEMENT, LNG, POWER
GENERATORS, AND INDUSTRIAL PLANTS IN:**

- GLOBAL MAINTENANCE
- DESIGN, PROCUREMENT, FABRICATION, INSTALLATION AND REPAIR OF TANKS,
PRESSURE VESSELS, BOILERS, HEAT EXCHANGERS AND REACTORS
- CONSTRUCTION WORKS AND REVAMP PROJECTS
- TRAINING SERVICES

Certificate Registration No. SA-08S-00076

Valid until: 2025-02-28

Initial Certification: 2024-02-29

Riyadh, 2024-02-28



Certification Body
at TÜV AUSTRIA

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification
procedures and is subject to regular surveillance audits.
Branch of TÜV AUSTRIA Shanghai Co. LTD-Saudi Arabia, 12262, Riyadh. www.tuv.austria.sa



ISO 37000


ISO in an international
standard for the
governance of
organizations and
reflects international
agreement that the
guidance provided
throughout the
standard comprises
good governance.

CERTIFICATES



CERTIFICATE

This is to certify that the Quality Management System of
ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
 MINAWI BASHA, NEAR LATIN CHURCH, BASRA, IRAQ
has been assessed and found to conform to the requirements of
ISO 9001:2015
This Certificate is valid for the following scope
 PROVISION OF SERVICES FOR OIL AND GAS UPSTREAM AND DOWNSTREAM FACILITIES, PETROCHEMICALS, FERTILIZERS, CEMENT, LNG, POWER GENERATORS AND INDUSTRIAL PLANTS IN :
 • GLOBAL MAINTENANCE
 • DESIGN, PROCUREMENT, FABRICATION, INSTALLATION AND REPAIR OF TANKS PRESSURE VESSELS, BOILERS, HEAT EXCHANGERS AND REACTORS
 • CONSTRUCTION WORKS AND REVAMP PROJECTS
 • TRAINING SERVICES

Certificate No. : AMER118962	
Registration Date : 22/06/2024	
Issue Date : 21/06/2024	
Expiry Date : 21/06/2027	
Recertification Date : 21/06/2027	


 Director

AMERICO QUALITY STANDARDS REGISTECH PVT. LTD.
 USA Address: 1101 Western Ave., Channahon, Illinois, 61510, USA
 India Address: E-101, 1st Floor, Phase 1, Chandra Shekhar - Vijayapuri road, Noida, Uttar Pradesh 201307




The registration number information can be used to verify the certificate validity. The certificate is valid for a period of 3 years, subject to successful surveillance audits. For further details, please refer to the ISO 9001:2015 standard. Registration No. 110118962 is valid for 3 years, subject to successful surveillance audits.



CERTIFICATE

This is to certify that the Occupational Health and Safety Management System of
ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
 MINAWI BASHA, NEAR LATIN CHURCH, BASRA, IRAQ
has been assessed and found to conform to the requirements of
ISO 45001:2018
This Certificate is valid for the following scope
 PROVISION OF SERVICES FOR OIL AND GAS UPSTREAM AND DOWNSTREAM FACILITIES, PETROCHEMICALS, FERTILIZERS, CEMENT, LNG, POWER GENERATORS AND INDUSTRIAL PLANTS IN :
 • GLOBAL MAINTENANCE
 • DESIGN, PROCUREMENT, FABRICATION, INSTALLATION AND REPAIR OF TANKS PRESSURE VESSELS, BOILERS, HEAT EXCHANGERS AND REACTORS
 • CONSTRUCTION WORKS AND REVAMP PROJECTS
 • TRAINING SERVICES

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Expiry Date : 21/06/2027	
Recertification Date : 21/06/2027	


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CERTIFICATE

This is to certify that the Environmental Management System of
ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
 MINAWI BASHA, NEAR LATIN CHURCH, BASRA, IRAQ
has been assessed and found to conform to the requirements of
ISO 14001:2015
This Certificate is valid for the following scope
 PROVISION OF SERVICES FOR OIL AND GAS UPSTREAM AND DOWNSTREAM FACILITIES, PETROCHEMICALS, FERTILIZERS, CEMENT, LNG, POWER GENERATORS AND INDUSTRIAL PLANTS IN :
 • GLOBAL MAINTENANCE
 • DESIGN, PROCUREMENT, FABRICATION, INSTALLATION AND REPAIR OF TANKS PRESSURE VESSELS, BOILERS, HEAT EXCHANGERS AND REACTORS
 • CONSTRUCTION WORKS AND REVAMP PROJECTS
 • TRAINING SERVICES

Certificate No. : AMER118963	
Registration Date : 22/06/2024	
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Recertification Date : 21/06/2027	

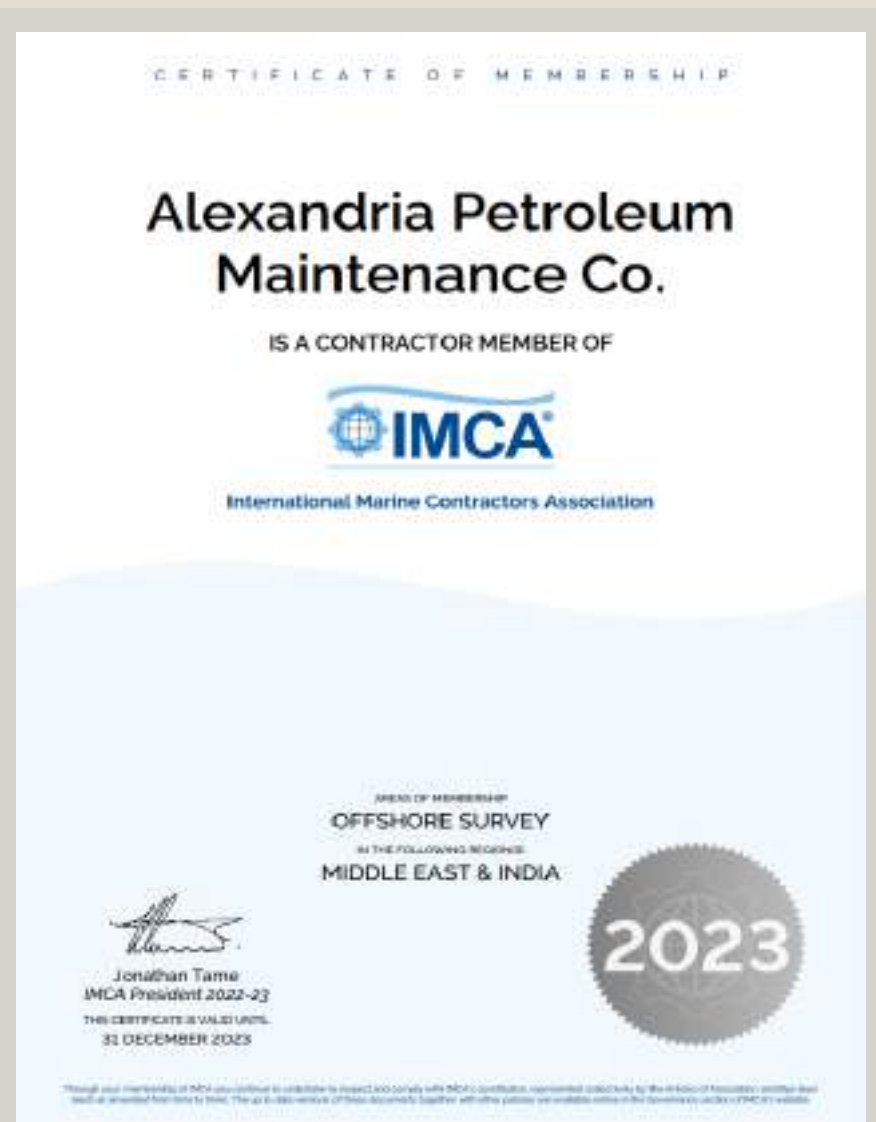

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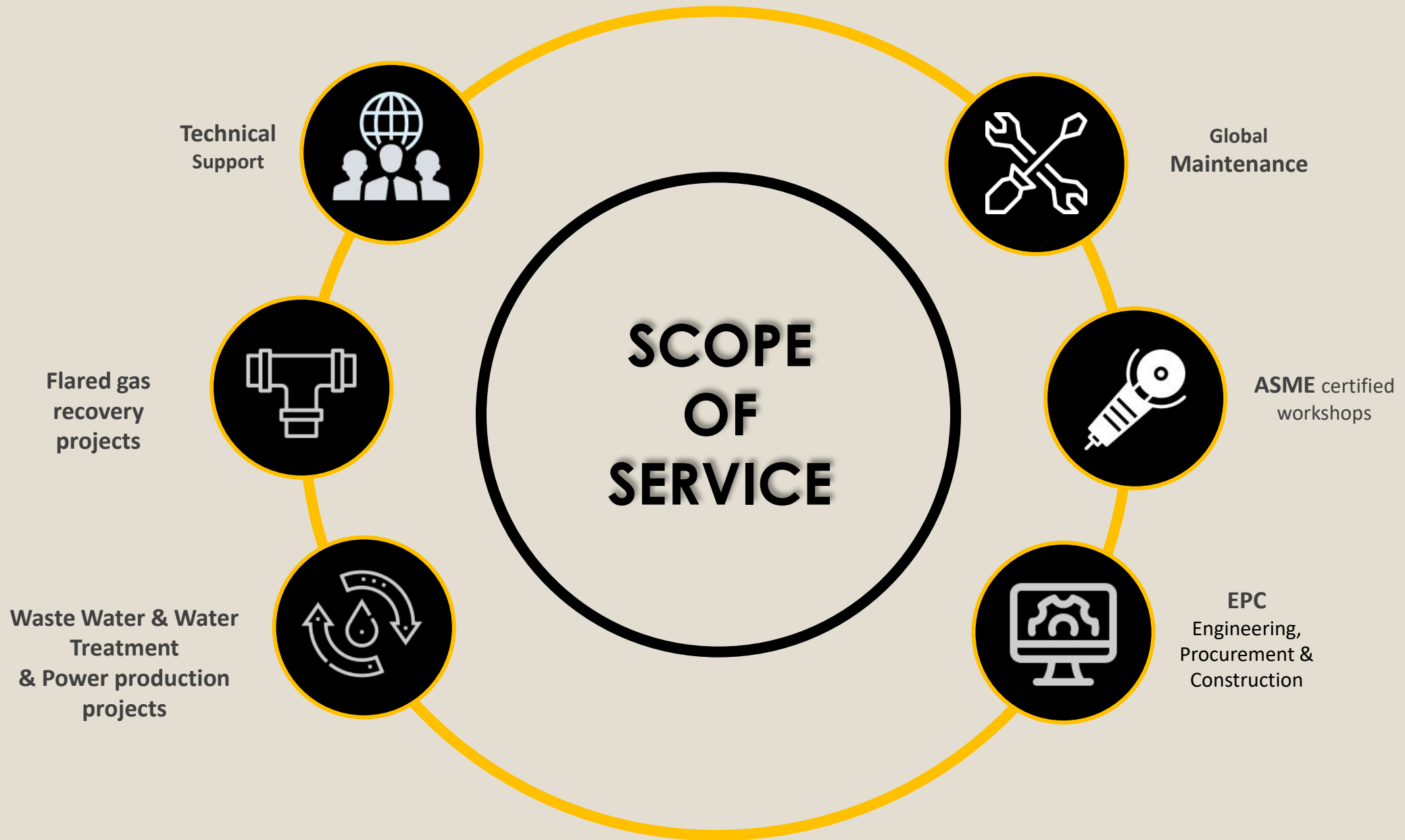



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CERTIFICATES



Petromaint's workshop succeeded to be certified with the Conformité Européenne (CE) mark whereas its product has been assessed and meets EU Safety, health and environmental protection requirements.








APM

Stopped Emission
of **100,000 tons**
of **Co2 / Year**

HYDROCARBON RECOVERY

50 bbl / day Condensate
30 Ton / day (propane & butane)
3 Million MMSCFD sales gas

East Zeit Petroleum Field Flared Gas recovery project

PETROMAINT





Head Office

Ad.: El Zait St. Aly Elkhay, El-Matruh, Egypt
 Tel.: +2 06 5423114 / +2 06 5423115
 Fax: +2 06 5421118 / +2 06 5423117
 Email: petromaint@petromaint.net

Cairo Branch

Ad.: New Cairo Plot 100 El Madinet Nasr
 Twinned Sector, 5th Settlement
 Tel.: +2 020 8133200710






EPEEC2022

PETROMAINT awarded a Certificate From Egyptian Petroleum Sector Energy Efficiency

For Zeitco Gas compression package

- Changing the operation condition to collect different gas pressure in one stream.
- Depend on compression unit with limited dimensions and in turn no need for huge infra structure.
- Reducing the greenhouse gases emissions by stop flaring the flared gas.
- Increase the production by recover the flared gas.



APM Energy Efficiency

Flared Gas recovery

Client: **GPC**

Flared Gas recovery gas to power for 1,5 Mega to 3 Mega

To produce **about 1 MSCFD** of flared gas

MRV

measurement, reporting and verification of flare

APM is working on two Mega projects with **ASORC & GASCO**, the scope of work is to **Optimize of techno-commercial solution for measurement of flare** in order to enable our client to do **the feasibility studies of flared gas recovery & methane gas detection & preventing.**



Client: **SIDPEC**

Inspection & replace flare tip

Aviation Fuel Solution Airports

PETROMAINT specializes in providing comprehensive aviation fuel solutions and excels in airport-related projects. With a proven track record, our company has successfully undertaken and completed various assignments in airport operations, demonstrating expertise in fuel management, infrastructure development, and maintenance within the aviation sector. Our commitment to quality and efficiency positions.

Petromaint as a trusted partner in ensuring the seamless functioning of aviation fuel systems and contributing to the overall success of airport operations.



Digital Transformation

ORACLE

PETROMAINT applies an integrated automated system. Continuing to transform the ERP automation system.

- New features have been implemented in **Oracle** R12. Automatically develop the documentary cycle for the following:
 1. Contracts, time records and invoices for services.
 2. Development of the MR Job Requests and SR Service Requests cycle.
 3. Software Ticket design for IT service requests. Development of databases for personnel affairs.

All existing programs will be converted into a standard ERP program

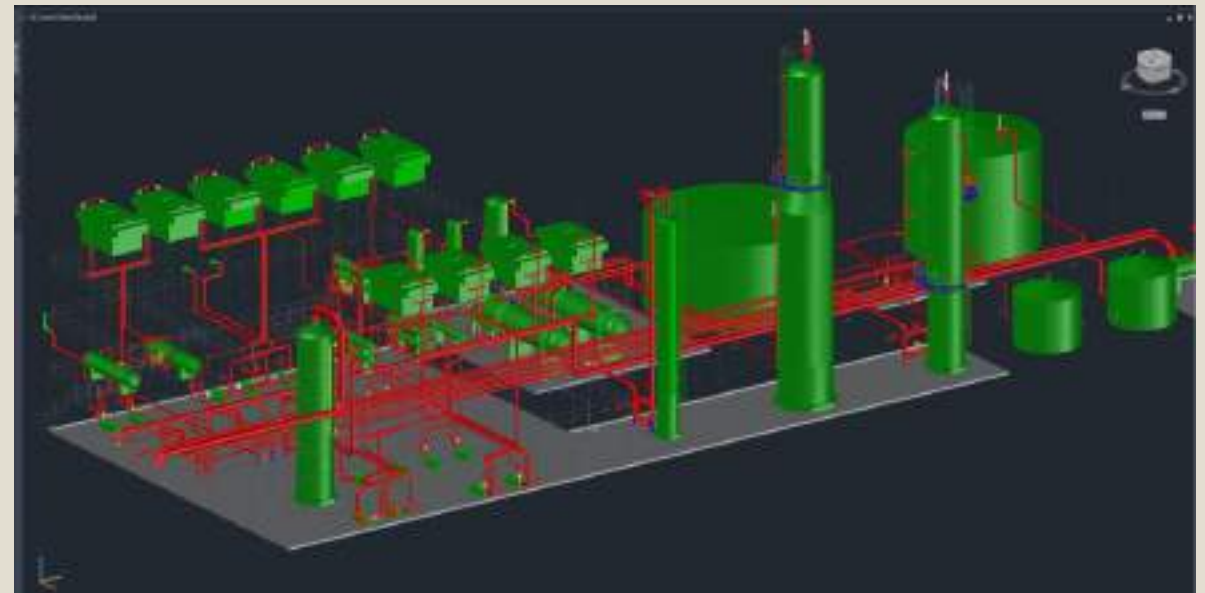


Digital Transformation

Client: Egyptian petrochemicals co. (EPC)
VCM unit revamp project

Scope of work:

1. Laser scanning 3D modeling as built projects that allows us to reduce the information gap analysis that occurred due to data gathering & site survey.
2. This solution could benefit the generating of (Point Cloud) by data processing & laser scanning.
3. The solution provides Updating of as built PID, developing piping specs. Data base piping & support 3D modeling.
4. Extracting P&ID, piping isometrics & piping supports drawings.



Global Maintenance : Plant shutdowns & Turnarounds

Preventive, Predictive, and Corrective Maintenance for all disciplines

PETROMAINT Maintenance Operations provides this service in:

- Refineries
- Petrochemicals
- Fertilizers
- Gas and oil processing plants
- Water treatment plants.
- Power plants.

PETROMAINT Maintenance Operations provides this service in **Refineries** for its top clients :

- | | |
|---------|---------|
| • APRC | • AMOC |
| • APC | • ASORC |
| • MIDOR | • NPC |
| • ERC | • SOPC |



Rotating Equipment



Flange management



Maintenance of
Hydrocracker Reactor



Revamp of Hydrogen
Steam Reformer Heaters



Vibration Measurement



Maint. of Heat Exchangers

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- Petrochemicals
- Fertilizers
- Gas and oil processing plants
- Water treatment plants.
- Power plants.

PETROMAINT Maintenance Operations provides this service in Petrochemicals for its top clients :

- | | |
|----------|--------------|
| • ANRPC | • EPPC |
| • SIDPEC | • E-STYRENEX |
| • OPC | • E-Methanex |
| • ELAB | • ETHYDCO |



Inspection & Maintenance of Naphtha Heater - **ANRPC**



Shutdown Maintenance of Compressor - **OPC**



Maintenance of Heat Exchangers - **SIDPEC**



Maintenance of Ethylene Furnace - **SIDPEC**



Shutdown Work - **ETHYDCO**



Global Maintenance - **ETHYDCO**

Global Maintenance : Plant shutdowns & Turnarounds

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- Water treatment plants.
- Power plants.

PETROMAINT Maintenance Operations provides this service in Petrochemicals for its top clients :

- EFC
- Abu Qir for fertilizers
- Agiba
- Petrobel – Zohr field
- GPC



Instrumentation Calibration
Turnaround 2021



Check Level Indicator in Hazardous Area - Turnaround 2021



Deaerator of boiler – MIDOR
Shutdown



Shutdown Maintenance of Heat Exchangers - EFC



Electrical Maintenance –
Power plants ELAB



Installation of Instrument Cables

Outstanding projects : Engineering, Procurement & Construction

PETROMAINT provides services including Engineering, procurement, fabrication, installation, testing, pre-commissioning, commissioning & start-up of process plants



Design, supply, installation, interconnecting, pre - commissioning, & startup of **new suspension, polymerization reactor (PLY)**

Client: **EPC**

USD

VALUE : **13** Million

Supply and construct **Greenhouses**

10 Spanish clusters

47 Spanish clusters

Client:

National company for greenhouses



USD

VALUE : **18** Million

Operation and maintenance

for offshore terminals in Ain-Sukhna & Sedi-krir

Client: **SUMED**



USD

VALUE : **13** Million

Outstanding projects : Engineering, Procurement & Construction

PETROMAINT provides services including Engineering, procurement, fabrication, installation, testing, pre-commissioning, commissioning & start-up of process plants

Client: **PETROJET**



Installation & welding of tank
at crude oil storage area
(Ras Ghareb)

Client: **ELAB**



Highest recovery column c4, 30
meter

Client: **EPC**



Polymerization reactor
(Engineering, Procurement,
Construction)

Client: **GASCO**



Fabrication & installation of
Novargi Heater

Some of our work in **Tanks Maintenance**

Project Name	Client
Tender No. TEN-SRV-EC-22-001 For The Provision of Maintenance And Repairs of Tanks and Process Vessels at all Gupco Sites .Award of Contract (GUP-EC-23-001)	GUPCO
Completing The Rehabilitation of Crude Oil and Production Tanks and Pipes Network (Third Stage)	SUEZ OIL PROCESSING CO.
Rehabilitation For Tanks Z72,Z73,Z73	SUEZ OIL PROCESSING CO.
Major Overhaul For Crude Oil Tanks At Sidi Kerir No(11/2019)	SUMED
Overhauling & Maintenance Works for Different Capacities Tanks For Gharib and North Area at Eastern Desert (Tender 925-2022/2023)	GENERAL PETROLEUM CO.
Installing and welding of tank at crude oil storage area (Ras Gharib)	GUPCO
Tanks and pipes rack painting	SUEZ OIL PROCESSING CO.

Some of our work in **Pipelines Maintenance**

PROJECT NAME	CLIENT
Construction of the upgrades of midwaters, facilities, the intake station , transmission pipeline and water treatment plant	MIDWATER
Completing The Rehabilitation of Crude Oil and Production Tanks and Pipes Network (Third Stage)	SUEZ OIL PROCESSING CO.
Repair & rehabilitation of summed pipe line	Sumed
Onshore pipeline 36"	PMS
Protection of Gas Pipelines which exposed for -West and East Alexandria	GASCO
sand blasting & painting for steel structure & pipe lines by wet sand blast phase-1	APC
Rehabilitation & Renewal OF Insulation and wrapping for pipelines, heat exchangers, vessels and tanks at Oils Area (W.O no 221)	APC

Pipelines inspection & smart pigging

- Site survey of 24" Abu El-Gharadek / Dahshour pipeline for smart pigging – **GUPCO**
- intelligent pigging for pipe lines – **PPC**
- Meleiha El-Hamra and Aghar Pipeline Inspection By Intelligent Pig – **AGIBA**
- Sand blasting & painting & inspection and change of insulation for asphalt pipe lines unit – **Amreya**
- Inspection Works for Asphalt Pipelines (10 ") , Wax Pipelines (6") and Mazut Pipelines 16 " At Petroleum Harbor – **APC**



Water Treatment main capabilities



- **Desalination plants** turn seawater into drinking water, but also pump hypersaline water back into the environment.
- **Sewage treatment plant works** by breaking down solid waste to produce a cleaner, more environmentally friendly effluent.
- Raw water entering an **industrial plant** often needs treatment to meet tight quality specifications to be of use in specific industrial processes.
- Used in onshore and offshore developments, **water injection** involves drilling injection wells into a reservoir and introducing water into that reservoir to encourage oil production.
- **Produced water** is a term for reservoir water that is produced along with the oil and gas phase.
- **Portable water** purification devices are self-contained, easily transported **units** used to purify water from untreated sources (such as rivers, lakes, and wells) for drinking purposes.

Clients

- **Khalda (Abu El-Gharadea / Razzak / Kalabsha)**
- **Norpetco**

Current projects for water treatment

- **Design, supply, installation, operation support and implementation of sewage plant in Hood Negih with capacity of 6000 m³/day** to take part in Sustainable Sewage services program in countryside (SRSSP) in Al-Sharqiyah Governorate.

USD

VALUE : **7 M**



- Design, Procurement, installation chlorine unit & electromechanical works in **MK water treatment plant - Portsaid**

USD

VALUE : **5.4 M**



PETROMAINT Workshop

Petromaint capabilities includes +**150** of highly trained, skilled technical & professional workers, **Petromaint** has one of the most effective & Productive workshops.





PETROMAINT workshops is specialized in Fabrication, Assembly and Testing of:

- **Portable tanks.**
- **Pressure vessels.**
- **Process skids.**
- **Metering skids.**
- **Heaters**
- **Recovery towers.**
- **Sandblasting & painting.**
- **Piping & manifolds**
- **Pipe racks.**
- **Steel structures & Bridges.**
- **Air coolers**
- **Boilers**
- **Heat Exchangers.**
- **Sterilization cabins**



Petromaint Workshops

Petromaint work in 3 types of workshops:

1. Main Fabrication Workshop (Fabrication Yard)
2. Clients Workshops upon request from clients.
3. Temporary Workshops for a specific project.

Tubular lining yard in APM workshop at Nahda, Alexandria



PetroSilah tubular lining job



With usage of Shur-Flo S2 & Shur-Flo S5

For SF5 , incase of not using heating up, so we completed 70 tubing per day.

For SF2 and as we will need to heat up , then we completed only 40 tubing per day.



Zeolite Nano-Concrete: The innovative of Durable Roads & Paving

Oil & Gas worksites are some of the most challenging environments for concrete.

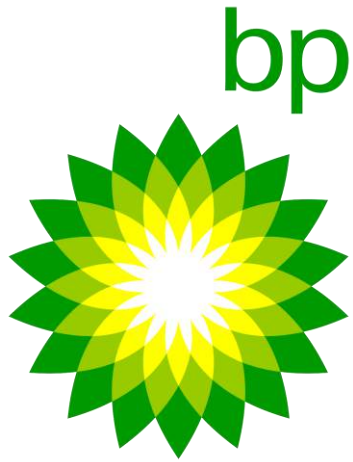
Heavy machinery, extreme desert weather & harsh chemicals can all take their toll on concrete, making it difficult to find a material that can withstand the elements.

With the difficulties we faced in O&G worksites like unpaved roads which serve for pipelines , porta camps and mess hall
In addition to the main roads between company camps in worksites located in the desert to reach out the worksites

- Nanotechnology service has the potential to revolutionize the construction industry. By improving the properties of cement, we can create roads, structures, and other infrastructure that are more durable, efficient, and sustainable
- This can lead to roads and other structures that are more resistant to damage from traffic, weather, and other environmental factors.



Our international clients



ExxonMobil



ارامكو السعودية
Saudi Aramco



Our local clients



Thank you