



ALEXANDRIA PETROLEUM MAINTENANCE CO.

22 Years of Success ...

www.petromaint.net



ALEXANDRIA PETROLEUM MAINTENANCE CO.

Petromaint is an Egyptian General Petroleum Corporation “EGPC” investment company established in 1997.

Petromaint is the Egyptian Petroleum Sector’s First Service company established to provide world class Global Maintenance, Continuous Maintenance Services , Technical Support Services, Construction works, Revamp and Modification of Oil, Gas, Petrochemicals, LNG, LPG, Fertilizers, Power Generation & Industrial Plants.

www.petromaint.net





22 YEARS OF SUCCESS

VISION

Petromaint Strives to be a Leader in the field of Oil & Gas and Heavy industries business as a World Class Service Provider. Petromaint Promotes and Implement Professional Engineering approach and high level standards in Projects and Maintenance Services Management, to meet and excel Clients' Needs and to achieve Platinum Client Satisfaction at Highest Quality and Precise Time at the most competitive market prices.



22 YEARS OF SUCCESS

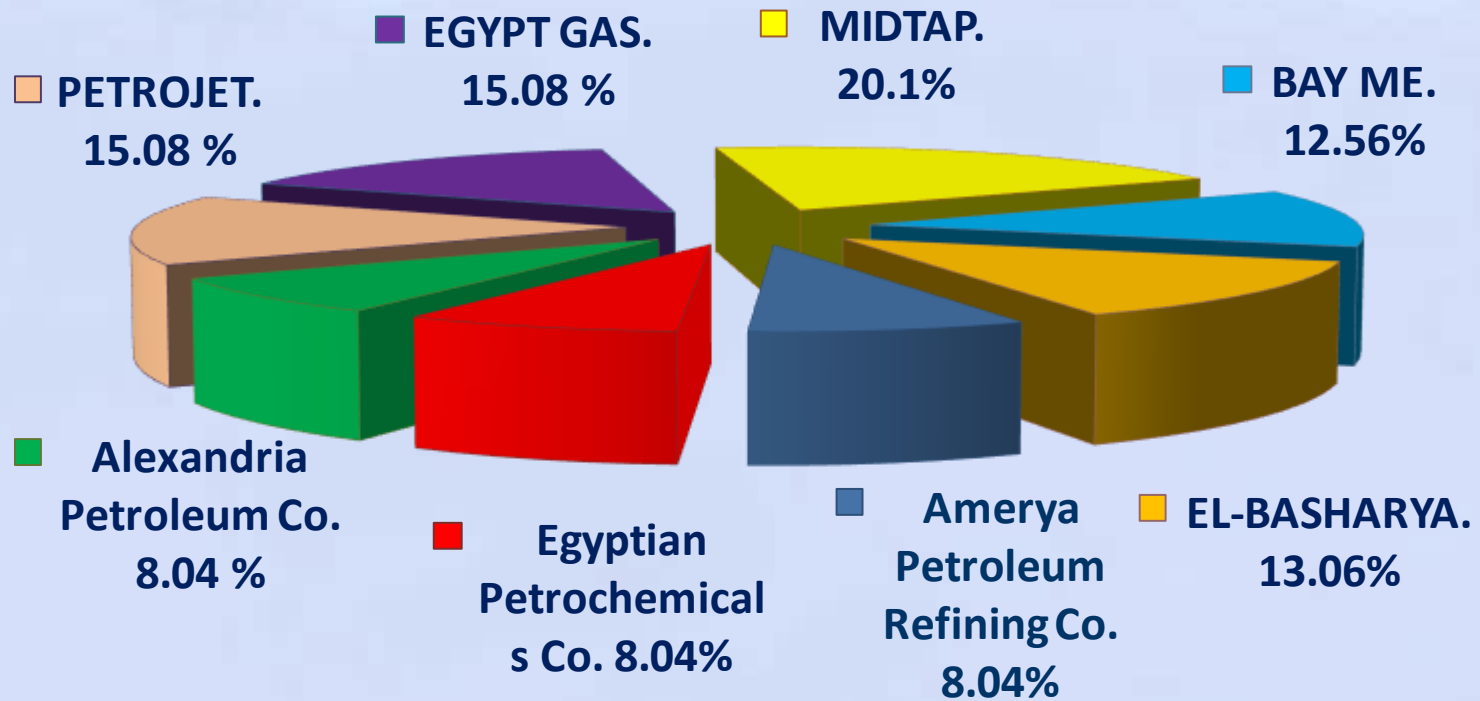
MISSION

Provide Professional Services in line with World Highest Standard in the field of Global Maintenance, On Call Maintenance, Construction work, Revamp and Modification Projects to our valued clients in Oil & Gas Upstream and Downstream Facilities, LNG, LPG, Petrochemicals, Fertilizers, Cement, Power Generation and Industrial Plants. Our Professional Expertise team is committed to Support our Clients through Seamless Integrated Services and Quality Management Systems to achieve their Business Development Objectives.



22 YEARS OF SUCCESS

PETROMAINT SHAREHOLDERS

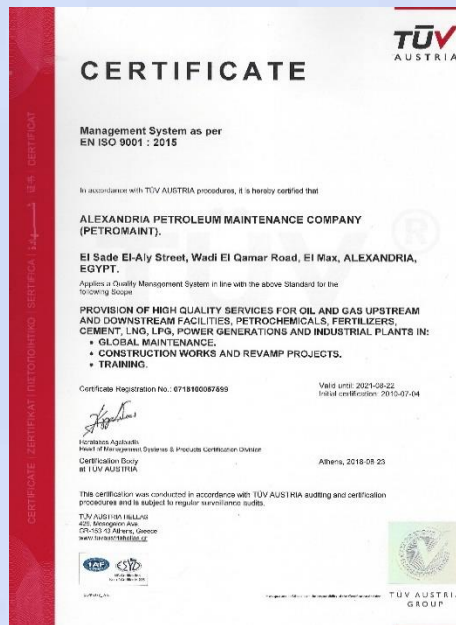




22 YEARS OF SUCCESS

QUALITY ASSURANCE

PETROMAINT Global Maintenance ,Construction and Revamp Projects are certified in the following aspects:
Quality Management ISO 9001:2015
Safety & Health 18001:2007
Environment Management 14001:2015





22 YEARS OF SUCCESS

AZME CODES FOR WORKSHOPS

'U'

'R'

'S'



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:
ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
62 Alkarnak Fields, Alnahda Industrial Area
Alamryah-Alexandria
Egypt

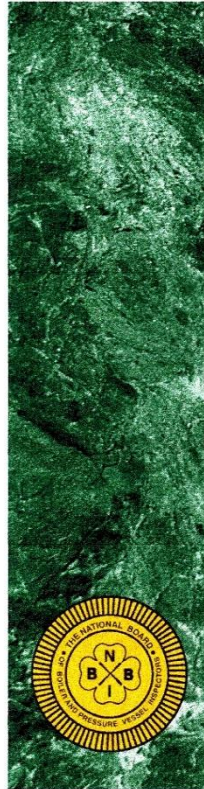
SCOPE:
Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **October 29, 2018**
EXPIRES: **October 29, 2021**
CERTIFICATE NUMBER: **56,167**

Richard Robertson
Board Chair, Conformity Assessment

Joseph Lawrence
Managing Director, Conformity Assessment

The American Society of Mechanical Engineers



THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization



This is to certify that
Alexandria Petroleum Maintenance Company (PETROMAINT)
62 Alkarnak Fields, Alnahda Industrial Area
Alamryah, Alexandria
Egypt
Acceptable Abbreviation: **PETROMAINT**

is authorized to use the R Symbol in accordance with the provisions of the National Board Inspection Code and NB-415, Accreditation of "R" Repair Organizations.

All activities within the scope of this Authorization shall be controlled by the above location.

The scope of this Authorization is limited to:

Metallic
Repairs and Alterations
At
Shop and Field Locations

Certification Number: 11015

Issue Date: November 9, 2018
Expiration Date: October 29, 2021

Executive Director

Richard Robertson



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:
ALEXANDRIA PETROLEUM MAINTENANCE COMPANY (PETROMAINT)
62 Alkarnak Fields, Alnahda Industrial Area
Alamryah-Alexandria
Egypt

SCOPE:
Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: **October 29, 2018**
EXPIRES: **October 29, 2021**
CERTIFICATE NUMBER: **56,168**

Richard Robertson
Board Chair, Conformity Assessment

Joseph Lawrence
Managing Director, Conformity Assessment

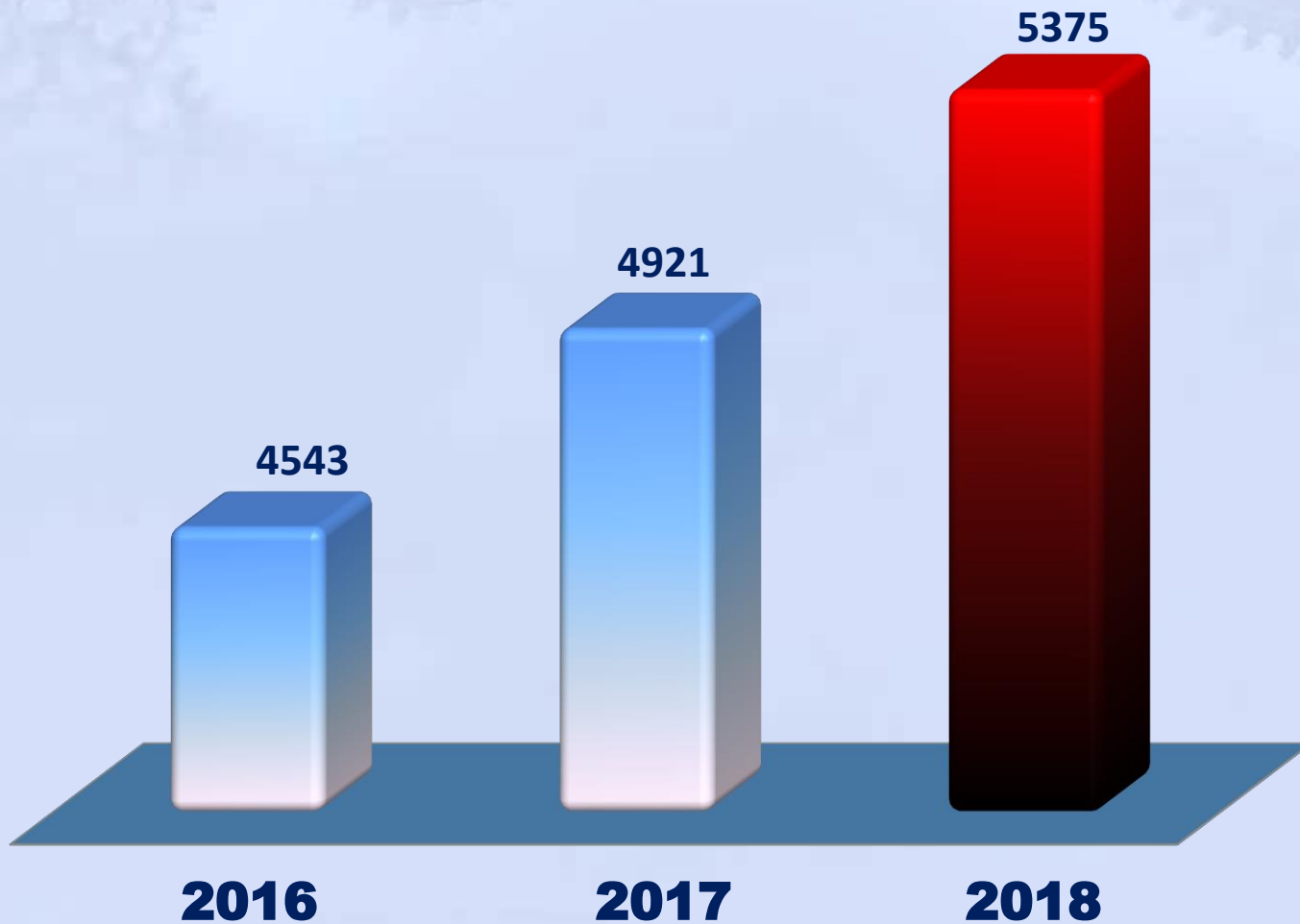
The American Society of Mechanical Engineers





22 YEARS OF SUCCESS

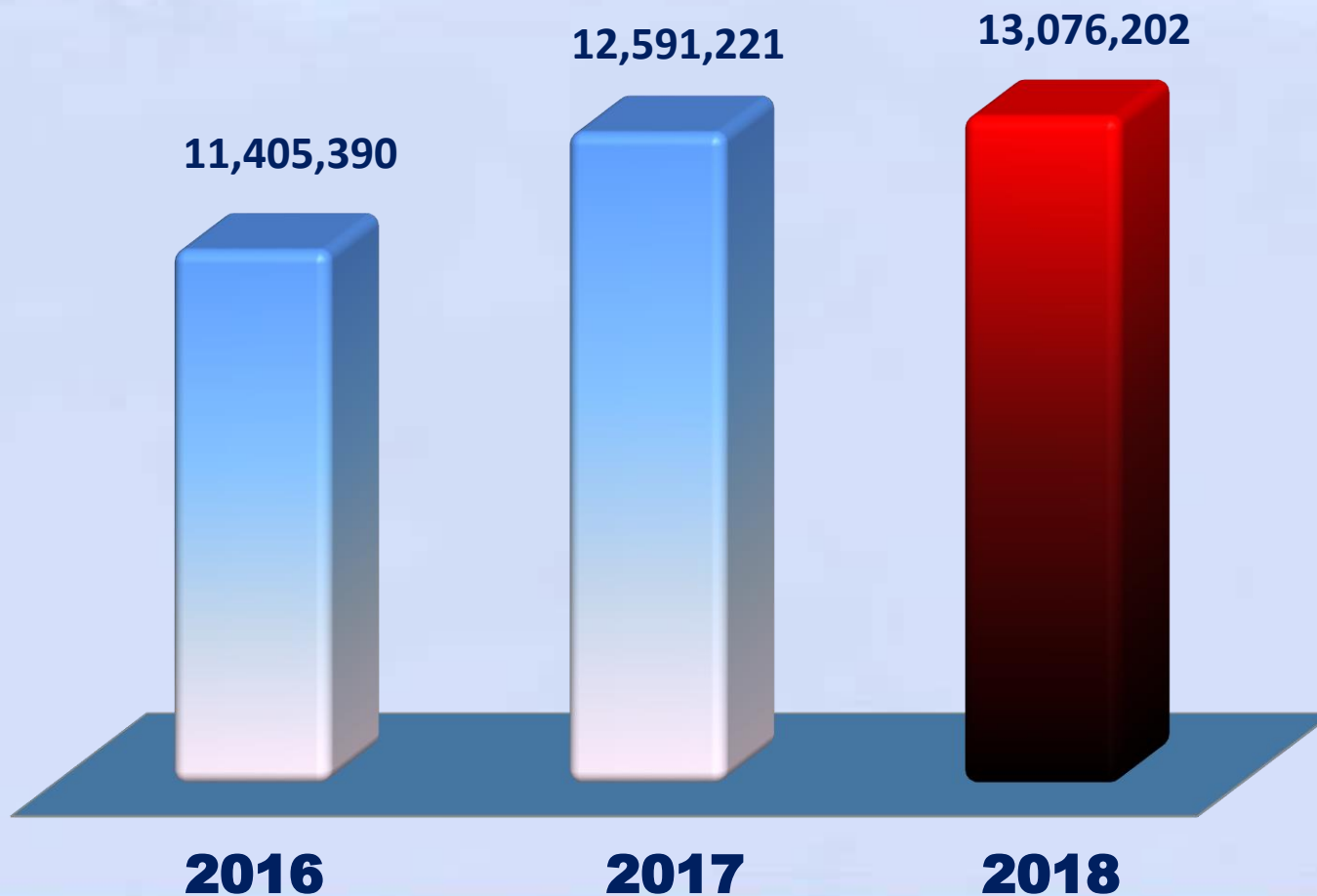
NUMBER OF EMPLOYEES





22 YEARS OF SUCCESS

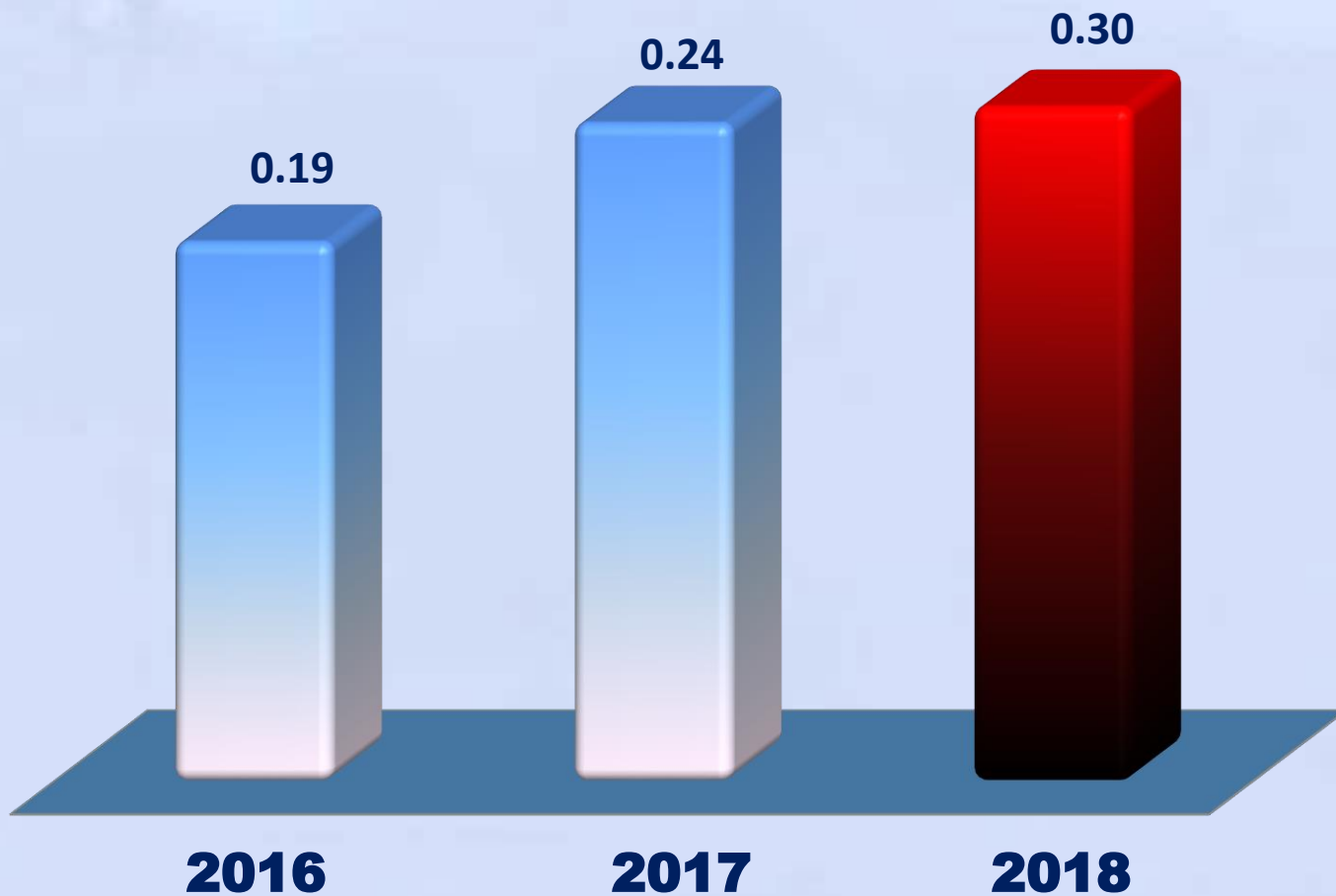
MAN HOURS (2016 – 2018)





22 YEARS OF SUCCESS

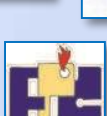
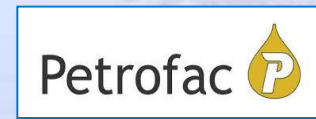
RECORDABLE INJURY FREQUENCY "RIF" (2016 - 2018)





22 YEARS OF SUCCESS

MAJOR CLIENTS & BUSINESS PARTNERS





22 YEARS OF SUCCESS

WORK SITES

Main Office & Internal Branches

International Branches





22 YEARS OF SUCCESS

SCOPE OF SERVICES

- **Maintenance Works.**
- **Revamp & Construction works.**
- **Electrical ,Instrumentation, Fiber Optics & Solar Energy.**
- **Offshore Works.**
- **Water Treatment Works.**
- **Technical Support Services.**
- **Training.**



22 YEARS OF SUCCESS

MAINTENANCE WORKS

1.Global Maintenance.

2.Plant Shutdowns & Turnarounds.

3.Rotating Equipment.



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Oil Refineries:

- Middle East Oil Refinery "MIDOR".
- Alexandria Mineral Oil Co. "AMOC".
- Alexandria National Refining & Petrochemicals Co."ANRPC".
- Egyptian Refining Co. "ERC"

Petrochemicals:

- Sidi Kerir Petrochemicals Co. "SIDPEC".
- Egyptian Ethylene & Derivatives Co. "Ethydco"
- Egyptian Linear Alkyl Benzene Co. "ELAB".
- Egyptian Propylene & Polypropylene Co. "EPPC".
- Egyptian Methanex Methanol Company S.A.E.
- Oriental Petrochemical Co. "OPC".

Gas Processing Plants:

- General Petroleum Co.
- Egyptian Liquefied Natural Gas "ELNG".
- Petrobel.





22 YEARS OF SUCCESS

▪ Fertilizers Industries:

- Alexandria Fertilizers Co. “AFC”
- Egyptian Fertilizers Co. “EFC”
- Helwan Fertilizers Co.
- Misr Fertilizers Production Co. “MOPCO”.
- Egyptian Basic Industrial Co. “EBIC”.





22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Middle East Oil Refinery "MIDOR"



Capacity : 115,000 BBL/D ,
Will expanded to 160.000 BBL/D



22 YEARS OF SUCCESS



Maintenance of Hydrocracker Reactor - MIDOR



22 YEARS OF SUCCESS



Maintenance of Hydrocracker Reactor Effluent Air Coolers- MIDOR



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Alexandria Mineral Oil Co."AMOC"



- 1 . Lube and Special Oil complex with capacity of unit \approx 1.250.000 MT/Y.
- 2 . Maximization of Gas Oil complex : 259.000 MT/Y



22 YEARS OF SUCCESS



Maintenance of Compressors - AMOC



22 YEARS OF SUCCESS



Global Maintenance - AMOC



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

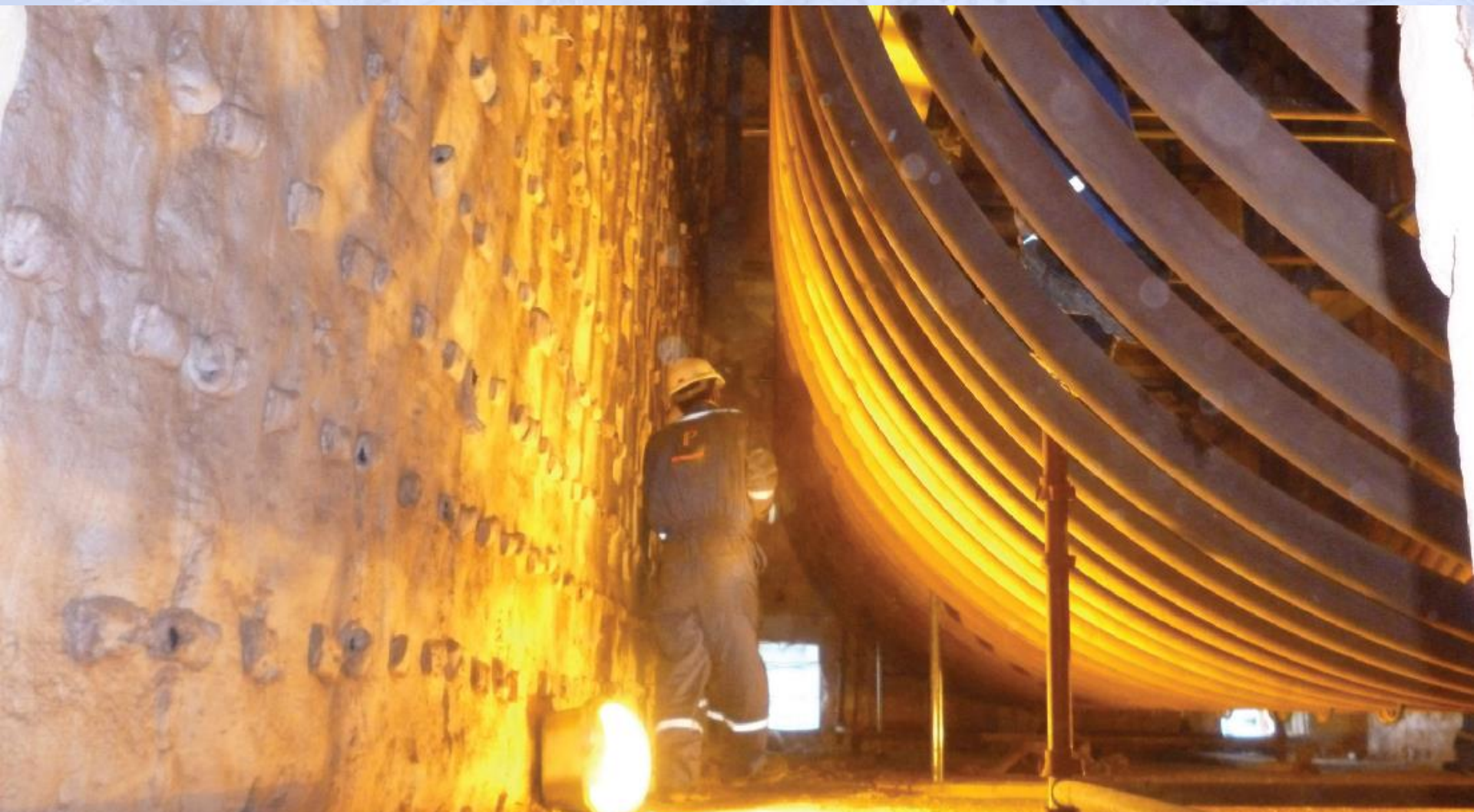
Alexandria Refining & Petrochemical Co."ANRPC"



Along with the propylene and PP plant, each with a capacity of 350,000 TPA



22 YEARS OF SUCCESS



Inspection & Maintenance of Naphtha Heater - ANRPC



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Egyptian Ethylene & Derivatives Co."ETHYDCO"



1- Ethylene & Butadiene Plant Ethylene

Capacity : 460 KTA

Butadiene

Capacity : 20 KTA

2- Polyethylene Plant

Capacity: 400 KTA (2x200 KTA)

3- Butadiene Derivatives Plant

Capacity : 36 KTA

4- Utility Plant

Polymer grade ethylene purity 99.95 wt. %



22 YEARS OF SUCCESS



Global Maintenance - ETHYDCO



22 YEARS OF SUCCESS



Shutdown Work - ETHYDCO



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Sidi Kerir Petrochemicals Co."SIDPEC"



Polymer grade Ethylene purity 99.95 wt.% with Capacity : 250000 : 285000 Ton / Year.



22 YEARS OF SUCCESS



Maintenance of Ethylene Furnace - SIDPEC



22 YEARS OF SUCCESS



Maintenance of Heat Exchangers- SIDPEC



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Egyptian Linear Alkyl Benzene Co."ELAB"



Linear Alkyl Benzene Capacity of 100000 Ton /Year.



22 YEARS OF SUCCESS



Overhaul Maintenance of Hydrogen Screw Compressor - ELAB



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

Egyptian Propylene & Polypropylene Co."EPPC"



- Propylene Capacity : 350 000 Tons / Year
- Polypropylene Capacity : 350 000 Tons / Year



22 YEARS OF SUCCESS



Global Maintenance-EPPC



22 YEARS OF SUCCESS



Global Maintenance-EPPC



22 YEARS OF SUCCESS

GLOBAL MAINTENANCE CLIENTS

General Petroleum Co."GPC"(Westren Desert)



- 9 Gathering and Receiving Stations with a capacity of 85.203 M BBL
- GPC pipelines network extend to 323 km
- 8 Processing stations with a capacity of 957.720 M BBL
- Total storage capacity of 1.455 MM BBL.



22 YEARS OF SUCCESS



Maintenance of Gas Engines Waukesha - GPC



22 YEARS OF SUCCESS

PLANTS SHUTCOWN/TURNAROUNDS CLIENTS

- Azzawia Oil Refinery “Libya”
- Egyptian LNG.
- METHANEX.
- Egyptian STYRENICS.
- Alexandria Fertilizers Co.
- Egyptian Fertilizers Co.
- Helwan Fertilizers Co.
- Misr Fertilizers Production Co.(MOPCO)
- Egyptian Basic Industries Co.(EBIC)
- Oriental Petrochemicals Co.





22 YEARS OF SUCCESS



Shutdown Maintenance of Extruder - OPC



22 YEARS OF SUCCESS



PM for Control Valve By Instrument Team – EMETHANX



22 YEARS OF SUCCESS



Change the Paraffin Unit Filter - ELAB



22 YEARS OF SUCCESS



Cleaning of Heat Exchanger - MIDOR



22 YEARS OF SUCCESS



Shutdown Maintenance of Heat Exchangers - E.F.C



22 YEARS OF SUCCESS

ROTATING EQUIPMENT



22 YEARS OF SUCCESS



Overhaul Maintenance of Gas Turbines - G.P.C



22 YEARS OF SUCCESS



Maintenance of High Pressure Pump - MIDOR



22 YEARS OF SUCCESS



Maintenance of Solar Gas Turbine - PETROBEL



22 YEARS OF SUCCESS

REVAMP & CONSTRUCTION

- **Revamp and Rehabilitation**
- **Fabrication and Installation**
- **Scaffolding ,Painting and Insulation**
- **Civil Work**



22 YEARS OF SUCCESS



100 000 m³ Floating Roof Tanks – SUMED



22 YEARS OF SUCCESS



Rehabilitation of Two Lines 320 km Size 42" - SUMED



22 YEARS OF SUCCESS



EPCC New Extension Project - ELAB



22 YEARS OF SUCCESS



Welding Work -ZOHR PLANT



22 YEARS OF SUCCESS



Welding of Pipes 36" at Hamra Field - WEPCO



22 YEARS OF SUCCESS



Construction of High Pressure Steam Boiler - SIDPEC



22 YEARS OF SUCCESS



EPC Gas Compression Stations - WASCO



22 YEARS OF SUCCESS



EPC Gas Compression Stations(3 stages) – WASCO



22 YEARS OF SUCCESS



Construction of Waste Lube Oil Plant - (Arabian Company for Oil & Derivatives)



22 YEARS OF SUCCESS



Fabrication & Installation of Plant Piping - WASCO



22 YEARS OF SUCCESS



Intelligent Pigging for Pipelines - P.P.C



22 YEARS OF SUCCESS



Painting Work - ZOHR PLANT



22 YEARS OF SUCCESS



External Painting for Storage Tanks - AGIBA



22 YEARS OF SUCCESS



Scaffolding ,Sandblasting & Painting Tanks – SUMED



22 YEARS OF SUCCESS



Sandblasting & Painting of Valves - PETROBEL



22 YEARS OF SUCCESS



Sandblasting & Painting of Dekhila Jetty - MIDTAP



22 YEARS OF SUCCESS



Hot Insulation Works- UGDC



22 YEARS OF SUCCESS



Hot Insulation Works - BAPETCO



22 YEARS OF SUCCESS



Road Construction & Preparation of Land RIG Drilling Locations - BAPETCO



22 YEARS OF SUCCESS



Construction of Administration Building for air fueling station at Hurghada airport - Misr Petroleum



22 YEARS OF SUCCESS



Construction of VIP Building -WEPCO



22 YEARS OF SUCCESS

ELECTRICAL , INSTRUMENTATION, FIBER OPTICS & SOLAR ENERGY



22 YEARS OF SUCCESS



Electrical Maintenance-ELAB



22 YEARS OF SUCCESS



Installation of Instrument Cables - KHALDA



22 YEARS OF SUCCESS



Supply & Installation of Raml New Generation Package –AGIBA



22 YEARS OF SUCCESS



Electrical Installation of MV & LV Panels – G.P.C



22 YEARS OF SUCCESS



Electrical Installation of MV & LV Panels -ANRPC



22 YEARS OF SUCCESS

OFFSHORE WORKS



22 YEARS OF SUCCESS



Fabrication & Installation of Deck Extension - SUCO



22 YEARS OF SUCCESS



Maintenance & Revamp of Platform - PETROGULF



22 YEARS OF SUCCESS



Installation of Gemsa Helideck - GEMSA



22 YEARS OF SUCCESS



Maintenance & Operation Offshore Units in Sedi Kerir & Sukhna Sectors- SUMED



22 YEARS OF SUCCESS

WATER TREATMENT PROJECTS

- **Sewage Plant.**
- **Industrial water treatment.**
- **Desalination.**



22 YEARS OF SUCCESS

Sewage Treatment

Petromaint provides the following services:

- 1- EPC Project
- 2- O & M service's for Sewage.



O&M Sewage Treatment Plant 800m³ - KHALDA



22 YEARS OF SUCCESS

Industrial Water Treatment

Petromaint Provides:

- 1- EPC Project
- 2- O & M service's for industrial waste water plants .





22 YEARS OF SUCCESS

Desalination Plants

- Petromaint Provides:
 - 1- EPC Project
 - 2- O & M service's for desalination plants .



Reverse Osmosis Membranes – Attaqa Power Station



22 YEARS OF SUCCESS

Chemical Cleaning

- Armed with long experience in the field of maintenance , Petromaint provide chemical cleaning services for wide rang of equipment.
- Recently , Petromaint awarded to make a chemical cleaning job at E-Methanex Co. for Alfa and beta waste heat boiler and steam drums with total capacity 250 m3.



22 YEARS OF SUCCESS

TECHNICAL SUPPORT



22 YEARS OF SUCCESS

TECHNICAL SUPPORT

- Provision of Local and Expat Manpower .
- Provision of Equipment, Spare parts and Materials .
- Provision and Implementation of CMMS & RBI Systems.



22 YEARS OF SUCCESS

Provision & Implementation of CMMS\EAMS





22 YEARS OF SUCCESS

Provision & Implementation of CMMS\EAMS

- **Petromaint is a leading company in providing Consultancy & Implementation services of:**
 - **Computerized Maintenance Management Systems "CMMS"**
 - **Enterprise Asset Management Systems "EAMS"**
 - **Enterprise Resource Planning "ERP"**
- **Petromaint offers a full range of CMMS/EAMS/ERP needs and specializes in the implementation, training, consultancy and support of these systems for Oil, Gas, Petrochemicals, LNG and Industrial plants.**

Enterprise Asset Management (EAMS)

- Enterprise Asset Management (EAMS) means the whole life optimal management of the physical assets of an organization to maximize value.
- EAMS Modules:
 - Asset Management
 - Work Management
 - Inventory
 - Procurement
- Example of EAMS Packages:
 - Maximo





22 YEARS OF SUCCESS

Work Order Statistical

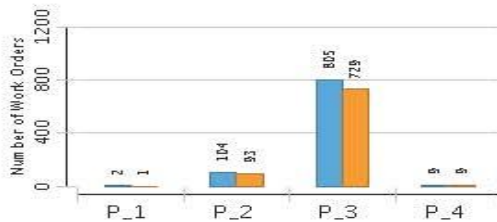
شركة ميمر لإنتاج الاسمدة
Misr Fertilizers Production Co.



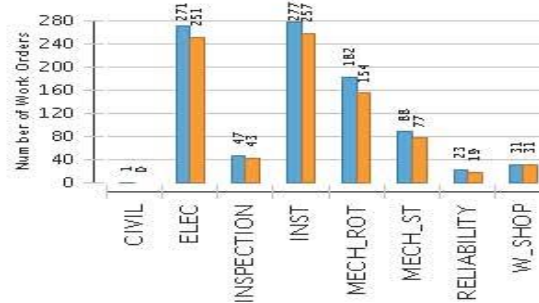
Date From: 1-Oct-2012 TO: 1-Nov-2012 Discipline: CIVIL,ELEC,HVAC,INSPECTION,INST,IT,MECH_ROT,MRCH_ST,RELIABILITY,W_SHOP
Priority: 1,2,3,4,500 Work Type: EM,CM,PM,PDM,CBM,MOD,SV,INSP

1. Work Orders READY vs FINISHED on Schedule

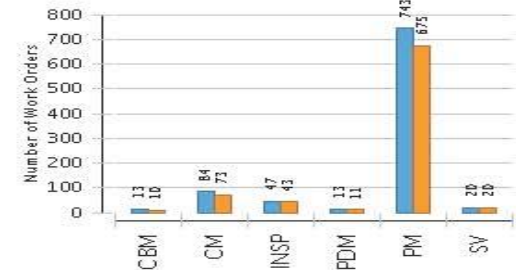
By Priority



By Discipline



By Work Type



■ TOTAL PLANNED 80
■ TOTAL FINISHED 88

2. Man-hours for Work orders FINISHED on Schedule

	P1	P2	P3	P4
AMMONIA PLANT	0.00	245.8	297.47	0.00
FACILITIES	0.00	16.00	264.50	0.00
UREA PLANT	1.00	285.8	125.75	2.00
UTILITIES	0.00	155.8	142.92	0.00
WITH ROUTE	0.00	0.00	118.72	0.00
Total	1.00	84.75	949.35	2.00

	ELEC	INSPECTIC	INST	MECH_ROT	MECH_ST	RELIABILI	W_SHOP
AMMONIA PLANT	51.25	32.00	217.30	1.00	20.50	0.00	0.00
FACILITIES	279.50	0.00	0.00	0.00	0.00	0.00	1.00
UREA PLANT	126.50	0.00	24.33	0.00	6.50	1.00	0.00
UTILITIES	117.00	8.00	25.50	0.00	2.00	0.00	6.00
WITH ROUTE	66.00	0.00	21.08	3.00	32.13	6.50	0.00
Total	630.25	40.00	288.22	4.00	60.13	7.50	7.00

	CBM	CM	INSP	PDM	PM	SV	Total
AMMONIA PLANT	0.00	27.08	32.00	0.00	262.97	0.00	322.05
FACILITIES	0.00	16.00	0.00	0.00	264.50	1.00	280.50
UREA PLANT	1.00	31.58	0.00	0.00	124.75	0.00	157.33
UTILITIES	0.00	19.08	8.00	0.00	131.42	0.00	158.50
WITH ROUTE	0.00	0.00	0.00	6.50	112.22	0.00	118.72
Total	1.00	92.75	40.00	6.50	856.85	1.00	1,037.10



22 YEARS OF SUCCESS

3D Models & Readings

Browser address bar: <http://sony-pc/irmsTrustEG/UserControls/RBI/Default.aspx>

IRMS >> Trust RBI

Integrity Restoration Management System

Home Workflow DataEntry

K.nabih Logo

Trust RBI Module

System: WASCO_System

Tag Number: E-1502

- CPF-III-PRD
 - CPFIIIW
 - CPFIIIMRU-15
 - E-1501A-D
 - E-1502
 - E-1502-Bun
 - E-1502-Hed
 - E-1502-SH
 - E-1502

E-1502 [E-1502]

Reports Details Diagrams Pre-Insp. Insp. Proc. Post-Insp. Insp. Data RLT RAM Plan

DataSheet E-1502 3D Model 1013-15-06-DR-003-003 G2-02 G2-03

b01 (34.9872817993164)

Insp. Date	Insp. Value
11/22/2012	34
11/23/2012	33.999

Inspection Point
m09
m10
m11
m12
t01
t02
t03
t04
t05
t06
b01

Element Data: (Refresh)

Material	Carbon Steel
Designed Thickness (Mm)	34.98728
Designed Pressure (KPA)	
Min. Acceptable Thickness (Mm)	31.78728
Commissioning Date	1/1/2004
DeCommissioning Date	12:00:00 AM
DeCommissioning Date	1/1/2034
DeCommissioning Date	12:00:00 AM
Designed Life Cycle Time	

<http://sony-pc/irmsTrustEG/UserControls/RBI/VisioViewer.aspx?ElementModelID=10285&ElementID=1...>

Provision & Implementation of Risk based Inspection "RBI", Wasco/Petrobel



22 YEARS OF SUCCESS



Technical Support Services for Construction Works



22 YEARS OF SUCCESS

TRAINING



22 YEARS OF SUCCESS



Technical Support Iraqi Team-Petromaint Training Center



22 YEARS OF SUCCESS

PETROMAINT ABROAD



22 YEARS OF SUCCESS

SAUDI PETROMAINT CO.

- **Technical support services for Abdelkhalek Mashafi corporation.**
- **Air-conditioning system for Mubaraz police station.**
- **Air-conditioning system for civil defense building.**
- **Air-conditioning system for administrative building.**



22 YEARS OF SUCCESS

PETROMAINT IRAQ BRANCH

Client : Kuwait Energy – Petrojet

- **Tanks Construction at Siba Fields – Basra.**
- **Cable Laying for Ciba Fields.**
- **Instrument & Fiber Optic Cable Laying.**
- **PMC for Gas – in Process for El – Zobier (KAZ-NASSERIA)**
Pipe Line Pre-commissioning & Start-up.



22 YEARS OF SUCCESS



Tanks Construction at Siba Fields – Basra Iraq (Kuwait Energy)



22 YEARS OF SUCCESS



Sand Blasting & Painting Tank - Basra Iraq (Exxon Mobil)



22 YEARS OF SUCCESS

LIBYA BRANCH

Client : Azzawia Refinery Company

- **Maintenance & Overhaul for Azzawia Facilities (2008).**
- **Maintenance & Overhaul for Azzawia Facilities (2013).**



22 YEARS OF SUCCESS



Turnaround of Refinery – Azzawia (Libya)



22 YEARS OF SUCCESS

THANK YOU