





Suez Canal Authority

Affiliated Companies

A Breakthrough Into The Future

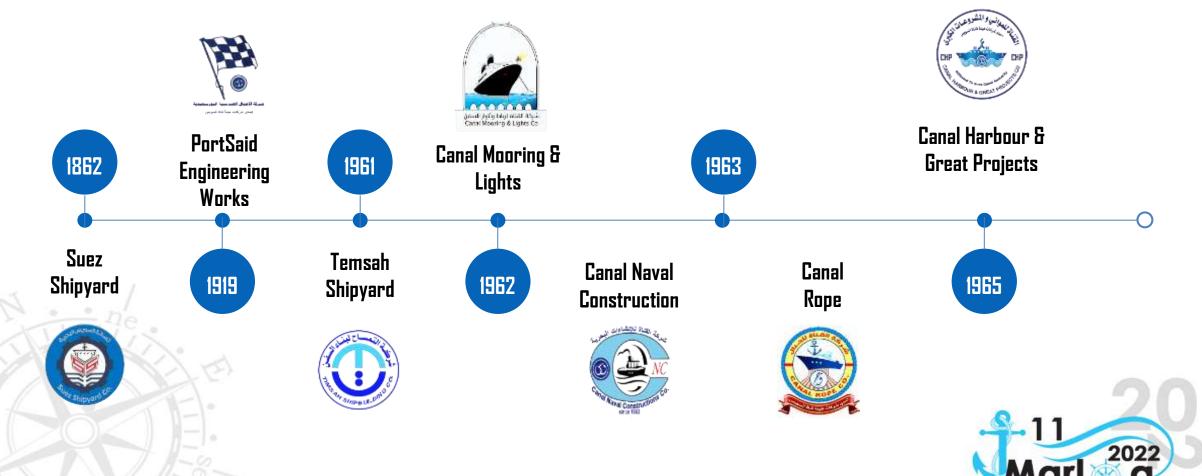




20 - 22 March, 2022 Hilton Green Plaza Hotel



SCA Affiliated Companies list



"Marlog 11"











success



"Marlog 11"























































"Marlog 11"































Companies Affiliate

About



US





Suez Canal Authorities Affiliated Compaies.

- A group of seven national companies, Affiliated by Suez Canal Authority, specialized in all activities required for Marine services, Development & Reconstruction and with Long-standing experiences combined with a great history of achievements.
- □ the companies has workshops that cover work allover Egypt with head offices located in Suez canal cities (Port said, Ismailia & Suez)
- □ Since 1919, the companies is not saving any efforts getting on the top of the Egyptian National Projects, obtaining the latest technologies and making the best use of all the available resources.
- We aim to provision of high quality services by the safest possible environment that conform fully with company & statutory requirements in meeting with our clients documented and implied expectations in terms of budget and time compliance.

Vision and Strategic targets

Our vision 2030

Establishing one of the largest Multifunctional Corporation in the marine, steel structure & infrastructure field in Egypt and The Middle East.

Strategic targets

- □ Encourage the National industry using modern technologies for improving the manufacturing efficiency and covering the local needs.
- Moving from the local market to the global market, contributing to meeting the needs of the Middle-East region, invading the African market, and contributing to the formation of successful Egyptian-Arab and African trade relations.
- Introducing new activities for companies aiming to improve the field of Steel structure, steel storage tanks, pipe lines, shipbuilding and marine services for the development of the Suez Canal Economical Zone and to presenting a successful business model to encourage investments in the region.
- □ Introducing modern technology to the Egyptian fishing fleet and studying latest methods for treating and preserving fishes according to the international requirements and standards.

Main



Activities



"Marlog 11"



Ports and Quays Building & Maintenance



Shipbuilding



Maritime Activities



شريان الحياة

Ship Repair



Civil Activities & Infrastructures



Steel Structures



Floating Bridges



Horizontal Directional Drilling



Storage Tanks and **Pipelines**



Dredging & Waterbreak



Mooring ship Light Projectors

"Marlog 11"

TIMSAH SHIPBUILDING Co.

- ❖ Building ships and marine units (tugboats, jet boats, service boats, passenger boats and LASH vessels).
- ❖ Marine constructions and building navigational aids (petroleum platforms, single-point mooring and light buoys)
- ❖ Steel structures and works (design, building, installation and maintenance of fuel and water tanks, land and marine pipelines, silos, CNC steel boards cutting and pipe bending, welding equipment and nondestructive testing devices).
- ❖ Ship repair (docking of floating units up to 1500 tons for overhauls, repair and maintenance)
- ❖ Design, construction, installation and maintenance of petroleum platforms, various types of floating berths and quays.
- * Trained and skilled crew members on board the company's marine units.
- * Renting the company's advanced marine units and tugboats with the DP2 system to oil companies.
- ❖ Dredging and clearing works of sweet <u>water channels</u> and drainages.
- * Carrying out underwater welding and cutting operations by qualified divers, holders of the IMCA certificate, and ROVs.





Maritime Activities









Professional maritime services including the ROV and underwater operations.







AHMAD FADEL M/V







MAIN DIMENSIONS

LENGTH OVERALL : 90.02 M BREADTH MOULDED : 18.80 M DEPTH MOULDED : 7.40 M **DESIGN DRAFT** : 5.00 M MAX. DRAFT : 6.05 M DEAD WEIGHT : 3969 T GROSS TONNAGE : 4744 T **NET TONNAGE** : 1423 T LIGHT SHIP WEIGHT : 3862 T MAX SPEED @ 5 M : 14.1KTS DRAFT : 195.3 FUEL CONSUMPTION G/KWH

(ECONOMIC SPEED)



AHMAD FADEL M/V







DECK/AH EQUIPMENT

TUGGER WINCH: 2 X 10T, DRUM CAPACITY:

100 M OF STEEL WIRE

SUBSEA CRANE: ONE ACTIVE HEAVE

COMPANSATED KNUCKLE BOOM, 75T@10M

OFFSHORE, 25T@21M HARBOR,

36T@8 M OFFSHORE UP TO 2000M WATER

DEPTH

PORTABLE GANGWAY: ONE ALUMINUM

GANGWAY, 6M LONG

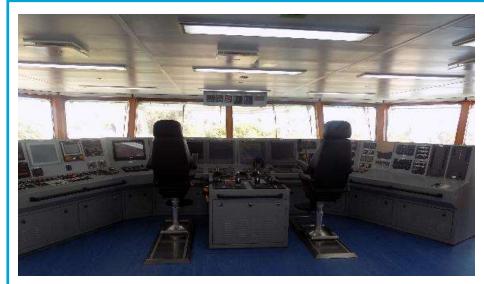
TELESCOPIC GANGWAY: TWO TELESCOPIC

GANGWAY, 10 M LONG EACH

ONE PROVISION CRANE: 2 T @ 10 M



AHMAD FADEL M/V

















"Marlog 11"

DSV AMAN







MAIN DIMENSIONS

L.O.A. 85 m

L. W.L. 84.1 m

L.B.P. 77.75 m

Breadth molded 22 m

Depth molded 8 m

Draft molded 6.3 m

Deck Loading 7.5 T/m2

Deck Cargo 735 T

Capacity

Clear Deck Area 735 m2

Moon Pool 8m*8m

Gang Way 6 m

Heli~Deck Sikorsky S61

Trial Speed 12.5 Knots



"Marlog 11"







DSV AMAN

DECK/AH MACHINERY

4. point Mooring Winches4 x 40T@ 10m/minTigger Winches2 x 10T@ 15m/min

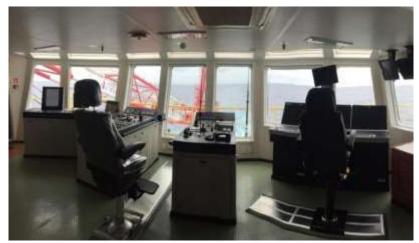
Capstan 2 x 10T@ 15m/min

Main Crane 80 T SWL @ 25m Macgregor

Service Crane 3 T SWL @ 14m Taixin Haitai



DSV AMAN

















BADR I M/V



MAIN DIMENSIONS

LENGTH OVERALL : 67.3 M

LENGTH BP : 64.3 M

BREADTH MOULDED : 17.0 M

DEPTH MOULDED : 6.50 M

DRAFT MOULDED : 4.50 M

DEADWEIGHT : 1700 T

GROSS TONNAGE : 2441

SPEED : 12.0 KNOTS

BOLLARD PULL (APPROX)

:80 T

+ A1. TOWING VESSEL FIRE FIGHTING VESSEL CLASS 1, OFFSHORE SUPPORT VESSEL AH, E+ AMS, + ACCU.

+DPS~2 with HELIDECK



Portable flange facing machine for VSP propeller foundation



Class II



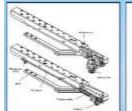




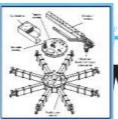
| Specifications | |
|-----------------|-----------|
| Depth Rating | 3000 msw |
| Length | 1515 mm |
| Height | 905 mm |
| width | 1000 mm |
| Launch weight | 580 kg |
| Forward speed | 3.2 knots |
| Thrust forward | 170 kgf |
| Thrust lateral | 120 kgf |
| Thrust vertical | 110 kgf |
| Payload | 80 kg |

PRINCIPAL DIMENSIONS:

| Overall machine height - Milling | 895 mm |
|----------------------------------|---------|
| Overall machine height - Turning | 719 mm |
| Mounting base thickness | 290 mm |
| Minimum mounting base diameter | 1296 mm |
| Minimum rotational diameter | 3482 mm |









SHIPBUILIDNG VSP 70 TONNES BP TUG BOAT (MASR EL GEDIDA)

MAIN DIMENSIONS

| IVIAIN DIIVIENSIONS | |
|---------------------|--------------------|
| LENGTH OVERALL | 35.8 M |
| BREADTH OVERALL | 12.5 M |
| DEPTH | 4.5 M |
| DRAFT | 5.75 M |
| SPEED | 13 Kn |
| BOLLARD PULL | 70 Ton |
| FUEL TANKS CAPACITY | 136 M ³ |
| NO . OF CREW | 12 PER. |





SHIPBUILDING 8 TRAWLER "NATIONAL PROJECT OF FISHING VISSEL"

| MAIN DIMENSIONS | |
|---------------------|--|
| 23.9 M | |
| 7.2 M | |
| 3.85 M | |
| 3.20 M | |
| 9 Kn | |
| $50 \mathrm{\ M}^3$ | |
| 14 PER. | |
| | |





SHIPBUILDING TUG BOAT "AZIMA"

| MAIN DIMENSIONS | | |
|---------------------|------------|--|
| LENGTH OVERALL | 18.6 M | |
| BREADTH OVERALL | 6.8 M | |
| DEPTH | 2.60 M | |
| DRAFT | 2.25 M | |
| SPEED | 10:11 K.n | |
| BOLLARD PULL | 12: 18 TON | |
| FUEL TANKS CAPACITY | $2/6 M^3$ | |
| NO. OF CREW | 4 PER. | |



Civil Works

- Building bridges and expanding sedimentation .1 basins "Suez Canal"
 - Stapling sides of the Suez Canal .2
 - Prefab buildings .3
 - Concrete building .4
 - Construction of water & sewage stations .5









Civil Works

Building bridges and expanding sedimentation basins









CANAL HARBOUR & GREAT PROJECTS Co.



- Construction, development and rehabilitation of ports in Egypt and abroad.
- Clearing and dredging works of ports and water channels.
- Building quays, platforms and ferry slips.
- **Construction of abutments and berths for floating bridges.**
- Construction and rehabilitation of shore protection structures and breakwaters.
- Construction of bridges, dams and water siphons.
- Construction of desalination plants, drinking water and sewage treatment plants.



"Marlog 11"

2022

Dredgers fleet





Name AL HAMRA

Type Heavy duty cutter suction dredger

Dredging depth 4.00 / 18.00 m

Diameter suction pipe 800 mm

Diameter suction pipe 800 mm

Diameter discharge pipe 750 mm

Power inboard dredge pump engine KM6 2X3750 Bhp/ 2×2760 KW

Power main alternator engine KM8 1×4700 Bhp / 1x 3460 KW

Name: Arzana

Type & capacity: Hopper dredger & 6000 m3

Dredging depth: 35 m

Diameter suction pipe: 1000 mm

Diameter discharge pipe: 900 mm

Draghead: 1 x Wild dragon

Dredge pump: 1 x Singe walled / HRMD 202-43-101

Main Engines: 2 x Wartsila 8L32 (4240 kW each)

"Marlog 11"

Dredgers



AL SADR name

Heavy duty cutter suction Type

Dredging depth 6.00 / 27.00 m

Diameter suction pipe 900 mm

Diameter discharge pipe 850 mm

Power inboard dredge pump engine 2X4,400 KW

Power main alternator engine 3X3,750 KW



Name **AL SHAHAMAH**

Beaver 3800, Cutter suction dredger Type

Dredging depth 2.50 / 16.00 m

Diameter suction pipe 700 mm

Diameter discharge pipe 650 mm

Power inboard dredge pump engine 2X954 kw @ 1600 rpm

Power auxiliary / Gen./ Harbour engine's

Power cutter motor / Cutter type RH

rotation

876 kw @ 1600 rpm / 91 kw / 25 kw

562 kw / Esco RH 28 DS 6 P

Dredger





2 Dredgers CZ-500 Dredging depth 14 Meter 1742 HP

3 Dredgers CZ-400
Dredging depth 10 Meter 1130 HP

Dredging Works

- ✓ Dredging of Al Manzala Lake
- ✓ Dredging of Al Bardawil Lake
- ✓ Dredging of Nile river





Dredging & Water break







Every Port, Harbour, or lake designed with certain navigable depth in it's channel or water bodies for the safe passage of ships. you can count on our reliable, time optimized and cost efficient maintenance dredging, capital dredging, beach nourishment, land reclamation, or shallow water dredging.



Civil Activities & Infrastructures

Sewage & water Treatment Stations











"Marlog 11"

Dredgers



name JANANAH

Type Beaver 2400, Cutter suction

Dredging depth 2.10 / 14.00 m

Diameter suction pipe 600 mm

Diameter discharge pipe 550 mm

Power inboard dredge pump engine 1,275 KW @ 1600 rpm &

Power auxiliary / Gen./ Harbour engine's 465 KW @ 1800 rpm / 55 KW

Power cutter motor / Cutter type RH rotation 276 KW / Esco V23



Name AL KHATEM

Type Heavy duty cutter suction dredger

Dredging depth 4.00 / 18.00 m

Diameter suction pipe 800 mm

Diameter discharge pipe 750 mm

Power inboard dredge pump engine

Power main alternator engine

KM6 2X3750 Bhp/ 2×2760 KW 2022

KM8 1×4700 Bhp 1 x 3450 KW

Floating bridges berths

- Major general (Taha Zaki) floating bridge at Sarabium
- Conscript (Abanob Gerges) floating bridge at El Qantara
- EL NASR floating bridge at Port said





Potable & Waste water treatment plants, Intake of desalination plant

- Construction of potable water treatment plant at Ismailia
- Construction of 19 waste water treatment plants
- Construction of marine works of Baghoush desalination plant





Break waters & Shore protection

- Shore protection of Port said –
 Damietta coastal roadshore
- Protection for engineers syndicateclub Alexandria
- New Damietta port breakwaters





Bridges & Dams

- Construction of three bridges over Ibrahimia canal – Upper Egypt
- Construction of Raswa bridge at Port said
- Construction of El Karm Dam North
 Sinai
- Construction of obstruction barriers –
 Nwibaa South Sinai





Suez Shipyard Co.

- **❖** Repair and maintenance of marine units and vessels transiting the Suez Canal, since the company owns a floating dock with a capacity of 55000 tons, a dry dock with a capacity of 8000 tons and a mechanical slipway with a capacity of 900 tons.
- Building marine units (floating cranes barges).
- * Manufacturing and installing steel structures such as: trusses, lighting towers, tanks, and marine scaffolds.
- **❖** Manufacturing and maintenance of pipelines of various diameters.
- **A Laying water and sewage pipelines, and maintenance of pumping stations.**
- **❖** Manufacturing pontoons and dredging discharge pipelines as well as maintenance of dredging machinery.





SHIP REPAIR









For Minimizing the cost and time, Ship Repair requires high response and great flexibility. We have the ability to repair all marine units and carrying out the required overhauls operations according to the international standards.



SHIP REPAIR









MAINTENANCE, REPAIR AND OVERHAUL MRO









- We have a broad capacity for commercial MRO work and maintenance sustainment.
- As well as scheduled work such as major overhauls and refits/refurbishment, We can undertake routine scheduled maintenance, mechanical, electrical and electronic repairs, structural work, damage repair, and attend to emergency breakdowns.

Floating Dock



The company has a floating dock is one of the largest dock in the world with a capacity of 55,000 tons, 302 meters in length and 55 meters in width currently.



Graven Dock



Graven dock is considered the nucleus of the establishment of Suez shipyard. This graven dock is one of the oldest historical places in Suez. This graven dock enables docking for medium sized vessel as it distinguish with lifting capacity 8000 tones, and 140 m length 22 m width.



Manufacture of 12 Buoys, weight 10 tons - 17 m3







Timeline of some of the company's achievements in civil works

2019 2020 2020 2020 2020

Changing the roof sheet of the covered hall 1 and 2 in Ismailia

Execution of a 356acre public water network, south of Port Said second stage Maintenance of sewage networks in the Authority's areas in Ismailia

Establishing a new path and inspection rooms for telephone and fiber-optic networks at Suez Maintenance of the sewage treatment plant at suez

The process of constructing an steel truss for water station in Ismailia















CANAL HARBOUR & GREAT PROJECTS Co.



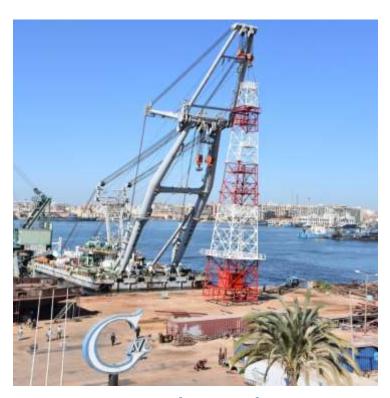
- Building marine units (boats tugboats water and fuel barges floating cranes floating pumping stations dredgers split barges ferries river buses floating restaurants underwater survey boats fishing boats etc.).
- Transforming open-sea cargo ships into cruise ships.
- Steel works (pontoons and dredging discharge pipelines).
- Marine units maintenance and repair.
- Repair and overhaul for different engine types.
- Volvo service center.
- Construction of aluminum boats.
- Sheet piles maintenance and repair up to 18 m deep by means of DZI.
- Metal constructions (oil tanks trusses buoys pilotage stations).
- Manufacturing alumetal structures.



Steel structure



Navigation Towers



Navigation Towers



Lighting poles



SHIPBUILDING









Long-standing experiences in **building** various types of Vessels according to the international classification societies.



SHIPBUILDING









Aluminium & fiberglass Boats Light Easy to Repair, saving fuel and operating costs.

Using the latest technologies in manufacturing high quality Fiberglass and Aluminum boats.

SHIPBUILDING

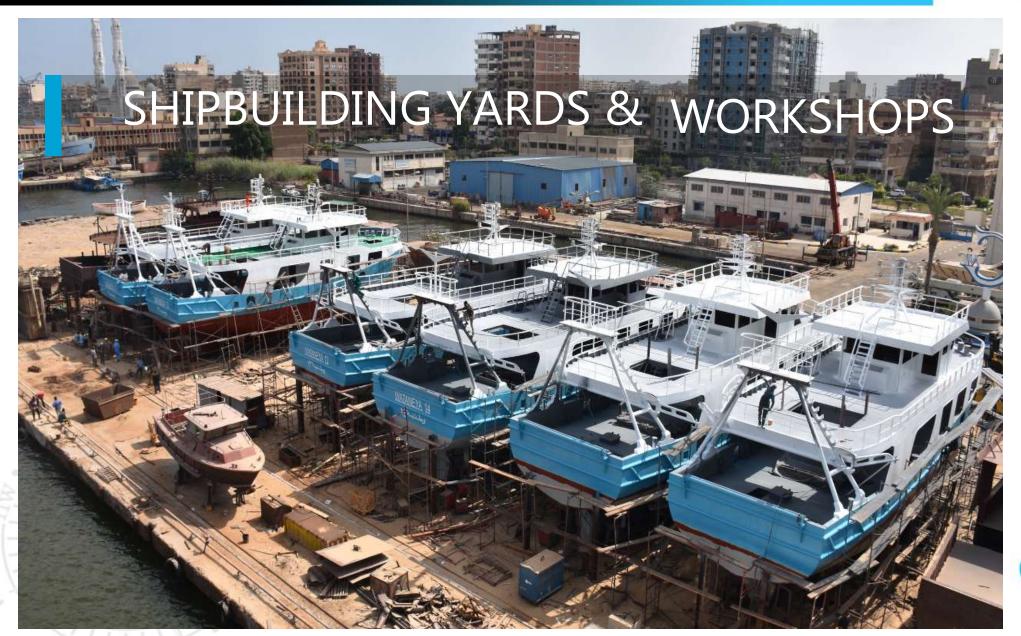






























The International Maritime Transport and Logistics Conference

"Marlog 11"

Port-Said Engineering Works Co.



- **❖** Building and repairing of barges, tugboats and floating cranes, dredgers, ferries, boats and split barges.
- ***** Building fiber glass boats.
- **Design and construction of fuel storing tanks for power stations or oil products.**
- **\Lambda** Laying oil, water and gas pipelines.
- ***** Building trusses, factories and workshops.
- ***** Building steel bridges for highways and railways.
- **❖** Building drinking water, sewage treatment and desalination plants.



STORAGE TANK AND PIPE LINE





We have taken the lead in the execution of storage tanks with outstanding achievements in Engineering, procurement and construction of steel storage tanks Applying latest versions of standards & codes (API & AWWA)





STORAGE TANK AND PIPE LINE



"Spherical" Steel Tanks



"Stainless" Steel Tanks



"Cryogenic Double wall" Steel Tanks



STORAGE TANK AND PIPE LINE



"Floating Roof "
Carbon Steel
Tanks



"Dome Roof"
Carbon Steel
Tanks



"fixed roof"
Carbon Steel 11
Tanks

Tanks

STORAGE TANK AND PIPE LINE







We have executed many of the Egyptian grid of trunk pipelines for all services (oil, gas and products), we has executed large pipeline projects in Egypt

and abroad.





FLOATING BRIDGES







Instead of suspension bridges across canals & rivers, unique floating bridges come at lower cost and have the flexibly of opening and close for crossing vessels



Upper Steel Bridges





we participate in transport infrastructur e projects by constructing steel bridges as a way to improve the communities in which we live









Steel structure



"Floaters- Pipe holders"



"Floaters for dredging pipelines"



"Floaters- Water impurities barriers"







Canal Rope Co.



- **>** 8-strand braided ropes (6 mm − 136 mm)
 - **❖** (polypropylene sisal manila polyamide)
- **→** 4-strand braided ropes (6 mm 52 mm)
 - **❖** (polypropylene Polyethylene sisal manila polyamide polypropylene multifilament)
- > Different sizes of yarn
 - **❖** (sisal polypropylene tape)
- > Handmade products
 - **❖** (ladders nets hammocks)



Canal Rope co.





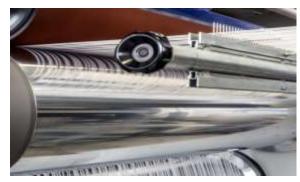














Our Products

Braided mooring ropes 8- strand from 40mm up to 136mm polypropylene
 Nylon





• 3/4 – strand ropes from 6mm up to 52mm

polypropylene

Nylon

sisal

manila









polyethylene



Our Products

Sisal twine & Polypropylene Tape baler twine (PP)







Hammock beds & Nets & ship ladders & Hand made products









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Canal Mooring & Lights Co.

Mooring:

- Mooring and unmooring of vessels at ports in (Port Said, Suez, Sharm El-Sheikh, Nuweibaa and Ain Sokhna)
- **❖** Providing the transiting vessels with the floating units and crews required for mooring Lights:
- **As per the SCA's Rules of Navigation, all transiting vessels are required to have lights of particular technical specifications. The company rents those lights upon request. It also owns lights of various types and specifications.**
- **❖** Providing every transiting vessel with 2 skilled technicians to operate the lights.

Other Activities:

- **❖** Laying underground water and gas pipes, and electrical and telephone cables using horizontal directional drilling (HDD)
- ***** Carrying out gas detection operations



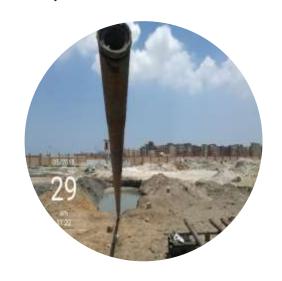


A leading company in the field of maritime services

Port Said, Suez, Ain Sokhna, Nuweiba and Sharm El-Sheikh













Mooring Ships Activity

Canal Mooring and Lights Company is a leading Company in this field and one of the largest specialized companies in the world.

This activity consists in supplying and securing ships transiting Suez Canal with mooring boats from the company accompanied by Marine crews trained at the highest level, as well as mooring and unmooring incoming ships services at the ports (West Port Said - East Al-Tafria - Al-Adabiya Suez - Port Tawfiq - Ain Sukhna - Sharm El-Sheikh - Nuweibaa), and it has the abilities to extend its service to more ports within Egypt and the Arab world under the membership of the Arab ports union .





light projectors Activity



The company started working in this field since 1967.

Light Ships activity supplies the ships transiting Suez Canal with light projectors, as the company owns different types of searchlights with special technical specifications for the navigation.

The company also provides the ship's crew with two skilled electricians to accompany it while crossing the navigation channel.



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"Marlog 11"

Achievements

- □ Construction of the electrical and mechanical components for 29 water treatment station with capacities ranges from 25000 m³/h to 86000 m³/h.
- □ Supply, Fabrication and assembly of 23 upper steel bridges all over Egypt.
- □ Supply, Fabrication and assembly of Floating steel bridges all over Egypt.
- □ Supply, Fabrication and assembly of more than 44 Floaters, pipe & cables holders.
- □ Supply, Fabrication and assembly of 23 Steel hangers.
- ☐ Supply, Fabrication and assembly of 4 Steel factories.
- ☐ Manufacturing more than 2000 steel objects steel, and aluminum (Buoys, Pipes, Steel Blocks, etc)
- ☐ The Fabrication and erection for 176 vertical fixed roof carbon steel storage tanks.
- ☐ The Fabrication and erection for 9 horizontal fixed roof carbon steel storage tanks.
- ☐ The Fabrication and erection for 14 Floating roof carbon steel storage tanks.
- ☐ The Fabrication and erection for 9 Dome roof carbon steel storage tanks.



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Achievements

- ☐ Supply, Fabrication and erection for 36 fixed roof stainless steel storage tanks.
- ☐ Erection of 2 double-wall cryogenic storage tanks.
- □ Assembly of 4 fire fighting Pipelines of diameter up to 12 inch & average total length 12550 m
- □ Assembly of 7 Petroleum Pipelines of diameter up to 48inch & average total length 152364 m.
- □ Shipbuilding more than 250 steel Vessels, fiberglass, and aluminum (Ferries, Tugs, Launches, Tankers, Bulk Carriers, Dredgers, Pilot Boats, Pontoons, Parges ... etc), beside the maintenance of more than 1000 vessels.
- □ construction of more than 40 Quays and Ports.
- ☐ More than 43 dredging operations (maintenance dredging, capital dredging, beach nourishment, land reclamation, or shallow water dredging).
- ☐ More than 31 Shore protection and breakwater barriers.
- ☐ More than 18 berths of ferry boats and floating bridges.
- ☐ Building more than 3 dams.

Business



Development



Business Development efforts





Marketing to a brand new Concept of the first floating resorts, taking tourism to a higher new level.





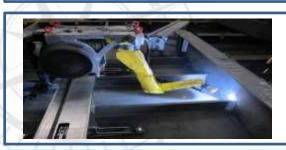








* Developing our berths and quays to increase the areas designated for ship building and repair.





* Transferring the latest technologies into our industry.

Business Development efforts





Improving the marine activity to cover a greater part of the local market from services units instead of relying mainly on foreign companies.



Building new floating docks.



* Establishing a new container factory.



Business Development efforts

Marketing Efforts: <

Contracting with professional marketing companies. *

Participating in the international expeditions *

Joint-ventures and co-operation deals with international companies. *





















Co-operation Proposal &

Technology Transferring



Shipbuilding

















Building and Construction.







Towers and skyscrapers.







Factories and production lines.







Ports and Quays building and repair.









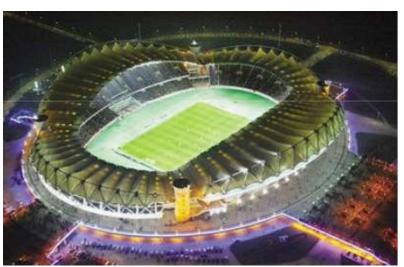
Factories and production lines.







Sports Stadiums and Sports Facilities











Renewable Energy and Power Stations







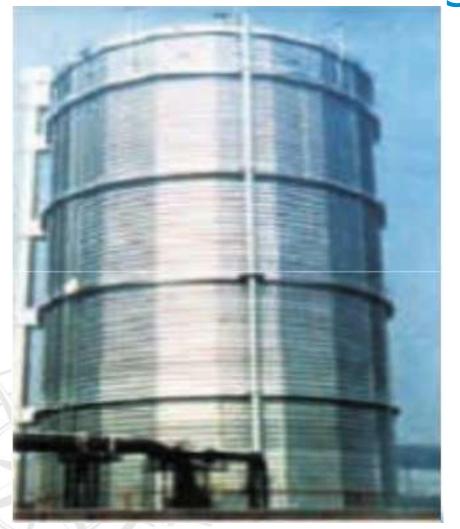








Storage Tanks and Pipelines.







Co-operation with Egyptian companies in the fields of Architecture design and construction















OUTFITTINGS WORKSHOPS



















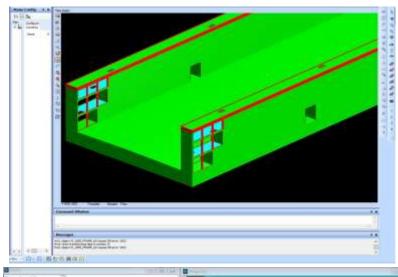


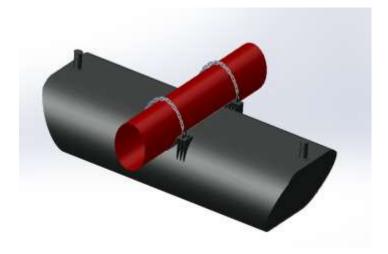


Design departments with the best design software.

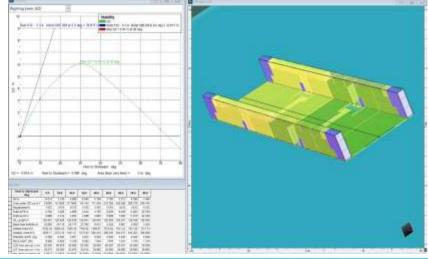
AVEVA MARINE – SOLIDWORKS – CATIA MARINE – AUTOCAD - MAXSURF













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Thank YOU

