

# SHIPYARD OPERATIONS



# CEO's MESSAGE

**Heavy Engineering Industries & Shipbuilding Co. K.S.C (Public) (HEISCO)** is a major Engineering, Procurement and Construction (EPC) Contracting company based in Kuwait with a diversified range of business in Oil and Gas, Petrochemicals, Power, Pressure Equipment Manufacturing, Shipbuilding and Repair, Dredging & Marine Construction, Major Civil Construction, Maintenance and other industrial services including Heavy Industry projects.

HEISCO's commitment to its clients is proven by its quality management system certification to ISO 9001:2015 & Occupation Health & Safety Management System certification to OHSAS 18001:2007 standards.

Established in 1974 to initially meet the demands of the shipping and maritime industry in the Northern Arabian Gulf, HEISCO has since expanded its operations to meet the challenges of emerging markets. Today, in addition to remaining market leaders in the marine industry, we are also recognized as one of the leading industrial companies in Kuwait, having made a major contribution to the development of the country's commercial and industrial infrastructure through successfully completed projects in virtually every economic sector. Just as our diversification has continued to grow, so too has our reputation for standards of excellence in quality, performance and customer service.

HEISCO's highly experienced & dedicated engineers undertake all engineering activities from concept to commissioning related to the following operations with a very high level of professionalism.

HEISCO's wide ranging fields of activities and capabilities are operated through:

- Shipyard Operations
- Oil & Gas Construction Operations
- Industrial Maintenance Operations
- Fabrication Operations
- Trading Operations
- Gulf Dredging & General Contracting Co. KSC (Closed)  
(A wholly owned subsidiary of HEISCO)



Chief Executive Officer



**Vision, Mission, Quality Policy and HSE & Security  
Pages 2-3**



**Overview of the Shipyard  
Page 4**



**Floating Dock  
Page 5**



**Syncrolift  
Page 6**



**Ship Repair  
Page 7**



**New Building  
Page 8**



**Alongside Repair  
Page 9**



**Workshops  
Page 10**



**Commitment To Quality  
Page 11**



**Ships Refurbishment  
Page 12-15**



**Diving / Offshore Support Services  
Page 16-17**



## OUR VISION

HEISCO will become the customer's first preference Company for Shipbuilding, Ship Repair, Fabrication, Construction, Industrial Maintenance, Dredging and Offshore services in Kuwait.

## OUR MISSION

We are determined to provide complete service to our customers in the Shipbuilding, Ship Repair, Fabrication, Construction, Industrial Maintenance, Dredging and Offshore works. We are committed to achieve sustained growth rate by meeting the schedule and quality requirements of our customers. We will provide our value added services at competitive prices by evolving efficient cost control measures and regular upgrading of our resources.

## QUALITY POLICY

The Organization's Quality Policy is a commitment to comply with the requirements of the quality management system and continually improve its effectiveness.

**The principles of the Quality Policy are:**

- We are committed to provide quality products and services delivered within time and budget, meeting or exceeding customer and applicable statutory and regulatory requirements.



- We are committed to continually improve our products and services with active involvement and development of all employees, adhering to the principles of ISO 9001 standard.
- The effectiveness and efficiency of our services will be continually improved by measurement, monitoring, providing necessary resources and good working environment.

## HSE & SECURITY

HEISCO HSE management System is certified to OHSAS 18001:2007, complying with the ISO 14001:2015 standard requirements and is in line with the applicable legal & other regulations.

Our current incident rates are sublime on comparison with international standards like OSHA which is an indication of the high HSE standards that we possess.

HEISCO Shipyard Operations are certified with ISO 9001:2015 for Ship Building, Rehabilitation, Conversion and Repair.

HEISCO owns a wing of highly trained security team aided with the modern Security Systems, operates as per the International Ship and Port Facility Security (ISPS) guidelines, surveilling the shipyard premises, 24 x 7 to ensure the safety & security of our clients and operations.





## OVERVIEW OF THE SHIPYARD

Conveniently located in Shuwaikh deep water harbor, **HEAVY ENGINEERING INDUSTRIES & SHIPBUILDING CO. K.S.C (Public) (HEISCO)** is ideally placed to execute Ship repair & construction at competitive rates.

HEISCO's highly skilled workforce, many having been with the company since its inception, have the skills, ability and training to work on both marine and industrial work.

An optimum organization ensures that lines of communication are short and efficient.

A modern approach to management is applied with emphasis on flexibility in accommodating the needs of clients. The skilled Marine Division workforce together with modern equipment and a strong yard management team provide the perfect combination to ensure minimum delivery times at competitive prices.



Aerial View - Shipyard Operations



## FLOATING DOCK



Floating Dock

- Lift Capacity - 14,000 tons
- Vessel Capacity - 35,000 dwt
- Length x Breadth - 190m x 32m
- Centralized supply of Oxygen
- Acetylene, Compressed Air
- Ballast and Fresh Water





## SYNCROLIFT

A syncrolift (5,000 dwt) with 7 repair bays, ranging in length from 90 to 135 meters, is linked by a transfer system. 5 Berths, ranging from 90 meters to 230 meters in length are serviced along their entire length by 5 luffing

cranes with lifting capacities from 10 to 30 tonnes, that cover the yard's open areas with 10 to 20 overhead travelling cranes in the workshops and stores.



Syncrolift





## SHIP REPAIR



The shipyard maintains a highly skilled workforce that has developed and mastered the techniques in the area of specialized ship-repair/shipbuilding during their 4 decades of experience.

Our workforce is highly efficient, keeping quality and time in their mind always. We strive to develop our staff skills and techniques constantly to cope with the stringent lines of this business.



Single Point Mooring (SPM)



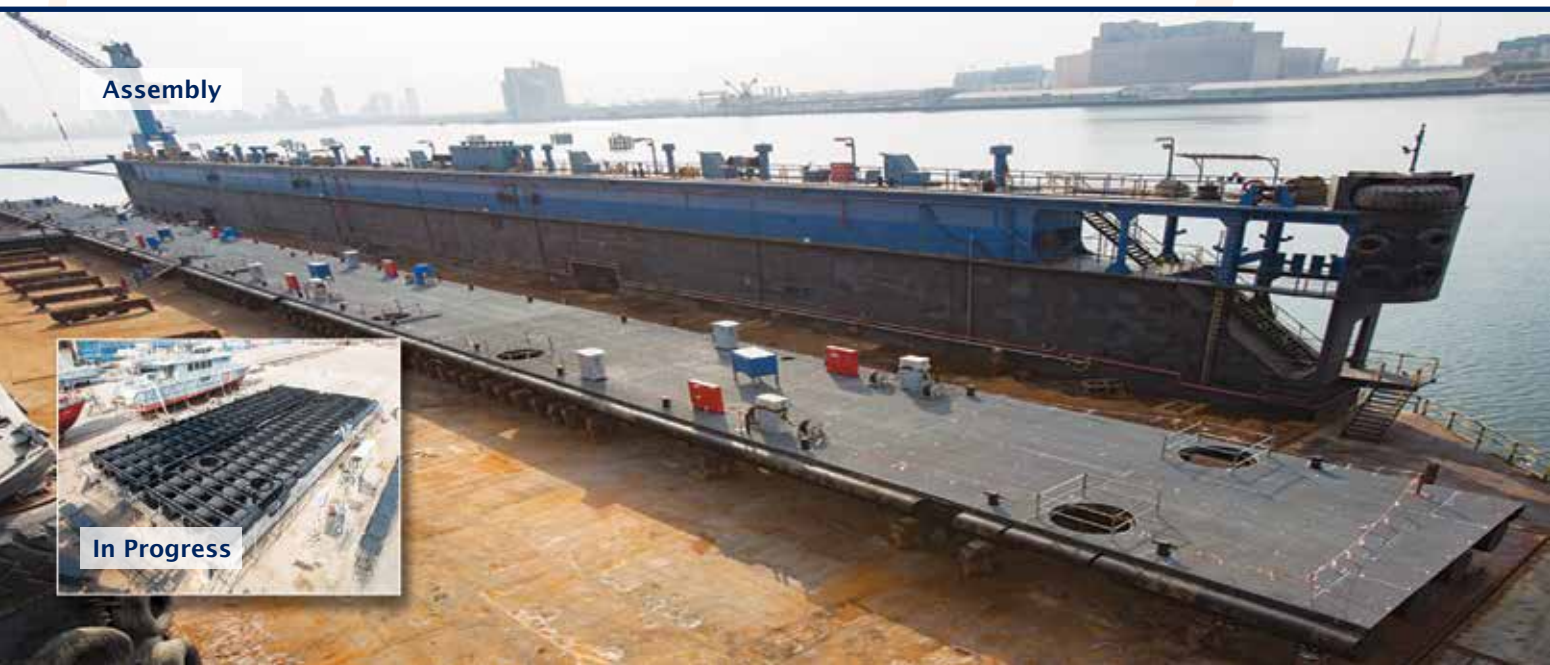
Before



After



## NEW BUILDING





## ALONGSIDE REPAIR

HEISCO SHIPYARD has five fully equipped Jetties to accommodate alongside/float repairs.

- Jetty A/B 231.2 m
- Jetty C 100 m
- Jetty D 95.10 m
- Jetty E 337.2 m



Alongside Repair





## WORKSHOPS

HEISCO's Shipyard is outfitted with modern engineering workshops that ensure efficient and reliable servicing at all times.



Electrical Test Plant

New building modules and large steel repairs are prefabricated in the 7,800 square meters construction area, of which 3,500 square meters is covered. A covered bay of 1,000 square meters with a height of 18 meters which is directly linked to the repair-bay/syncrolift facility has been added. A large steel construction hall, covered repair and new building hall, sheet metal and steel outfitting shop, pipe shop, electrical workshop, wood



Workshop

workshop, toolmaker's shop, blasting and painting plant, and fully equipped laboratory are located on an area of 200,000 square meters in the yard.





## COMMITMENT TO QUALITY

As HEISCO is committed of Quality System, the company's Quality Management System is certified to ISO 9001.

This was a major achievement and HEISCO became the first shipyard in the Gulf region to be awarded this highly reputed certification.



Dye Penetrant Testing for Propeller



A Quality Control Department, with 190 employees, carries out a full range of Non-Destructive and Destructive testing and the associated skills of inspection and quality assurance/ quality control.



## SHIPS REFURBISHMENT

HEISCO Shipyard has refurbished various types of Ships, Dredgers, Naval Vessels and many other Marine Crafts. All jobs have been performed up to the highest approved International Maritime Standards & following Classification Societies Rules & Regulations. The scope of work covers -but not limited to- the following Works :



- Steel (Structural & Non-Structural)
- Pipes & Hydraulic
- Normal / High pressure Pipes & Ultra High pressure (Hydraulic) Pipes
- Engine Room Main & Auxiliary Machinery
- Deck Machinery & Equipment





- Stern Gear System
- Steering Gear System
- Electrical (Power & Lighting)
- Preservation (Blasting & Painting)



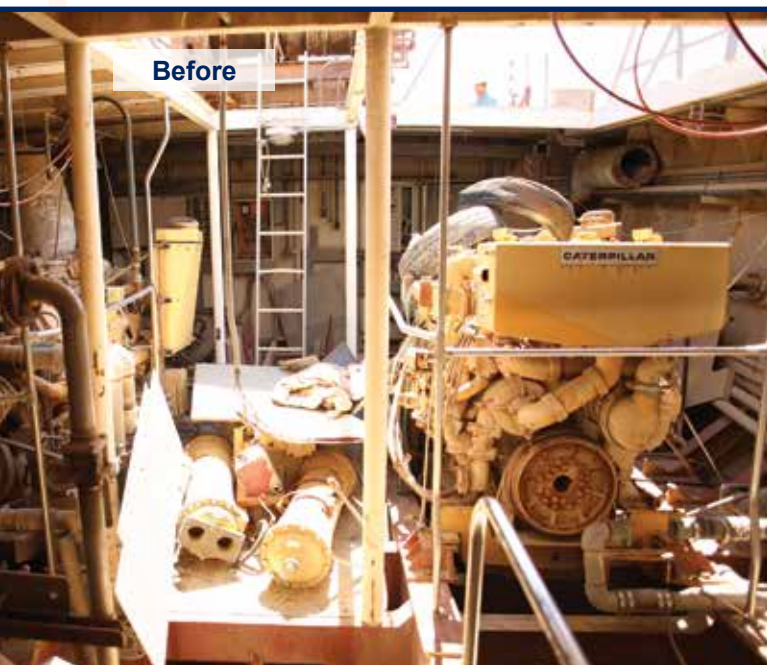
› External Hull



- › Cargo Holds
- › Various Tanks
  - Accommodation :
- › Sound & Heat Insulation



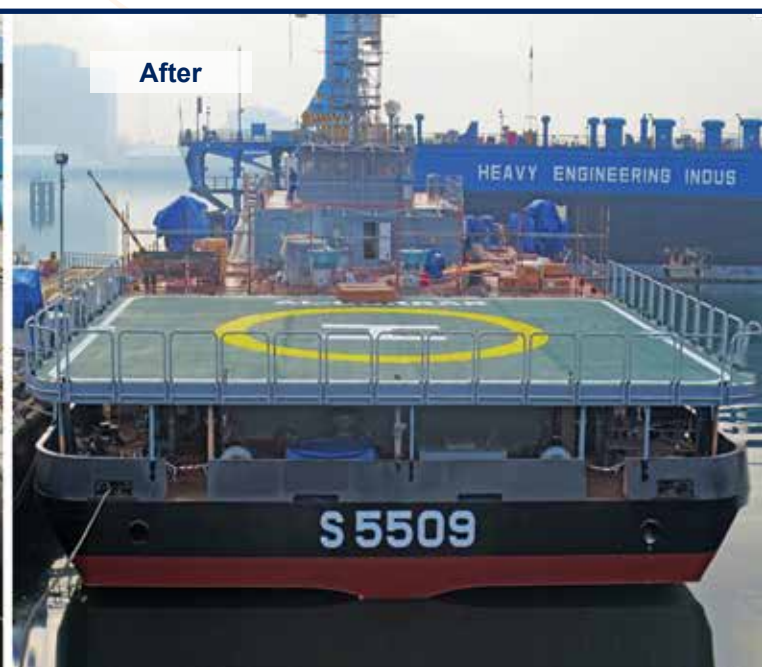
## SHIPS REFURBISHMENT Cont...





- › Furniture
- › Sanitary & Plumbing
- › Shower & W.C.
- › Galley & Equipment
- › HVAC
- › Intercom & Talk Back

- › Entertainment Systems
  - Navigation & Communication Systems
  - Safety / Fire Detection, Alarm & Fighting Systems
  - Life Saving Equipment & Appliances
  - Engineering Calculations & as Built Drawings



## DIVING / OFFSHORE SUPPORT SERVICES

"Well Established Commercial Diving Services Provider in the region stringently following "IMCA" Diving Guidelines. Our teams are well trained and experienced in providing diversified underwater Services including various repair jobs, approved surveys, approved UWILD and other inspections all approved by classification Societies. Supported by dedicated diving support vessel / boats and equipped with latest, industry standard inspection, survey, hull cleaning, welding/cutting equipment and diving support systems, including IMCA approved Decompression Chamber."

### HEISCO Diving Capabilities:

- In-water Surveys for Offshore Structures and Vessels, certified by Major International Classification Societies.
- Underwater High Quality Video / Filming.
- Underwater High Quality Still Photographing.
- Latest Surface to Diver Telecommunication Sets (Audio / Video).



- Major Offshore Services (Maintenance, Metrology, NDT, Inspection, SPM's, CALM Buoys, Pipelines, etc..)
- Anodes Inspection & Retrofits for Offshore Platforms.
- Underwater Pipeline Survey, Repair and Installations.



Hull Cleaning





- Rigs Support and Maintenance.
- Marine Salvage Projects.
- Subsea Repair and Removals.
- Blanking of Openings for Outlets and intakes of Offshore Structure and Vessels
- Underwater Welding and Cutting Services
- Underwater High Pressure Cleaning of Intakes and Outlets of Oil Refineries, Installations and Power Plants.
- Seabed Inspection and Surveys.
- Offshore Construction Support.
- Underwater Search and Recovery Operations.
- Cleaning of Hulls, Propellers and Rudders of Various Type of Vessels using Latest Brush Cart and Polishing System.
- Civil Onshore Operations
- Powerstation Underwater Maintenance

#### **Diving Support Vessels:**

- Diving Barge - Fully equipped with IMCA compliant Air Surface Supply Diving capabilities (Decompression Chamber, Air Diving Panel, HP Air Compressors, Gas Banks, etc...) and Composite of Mechanical Workshop, Accommodation, Galley and Conference Hall.



- Fiber Glass Speed Boat
- Aluminium Landing Craft







Rev.6 - Apr. 2018