

SHIPYARD OPERATIONS



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 & Repair, Dredging & Marine Construction, Civil Construction, Maintenance and other industrial services including Heavy Industry projects.

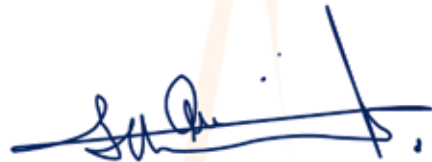
HEISCO's commitment to its clients is proven by its quality management system certification to ISO 9001: 2015 and Occupational Health & Safety Management System certification to ISO 45001: 2018 and the Environmental Management System certification to ISO 14001:2015 standards. HEISCO is one of the approved contractors of Central Agency for Public Tenders (CAPT) for Civil Construction - Category 1, and Electrical works - Category 2.

Established in 1974 to initially meet the demands of the shipping and maritime industry in the Northern Arabian Gulf, HEISCO expanded its operations to meet the challenges of emerging markets. Today, HEISCO has become one of the leading industrial companies in Kuwait having made a major contribution to the development of the country's commercial and industrial infrastructure. We have successfully completed several projects in virtually every economic sector. As our diversification continued to grow, so did 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 Services Operations
- Trading Operations
- Testing & Calibration
- Quality Control & Testing
- Scaffolding Services
- Galvanizing Plant
- Onshore & Offshore Operations (through Gulf Dredging & General Contracting Co. K.S.C. (Closed) – a subsidiary company)
- Technical Specialized Manpower Supply (through HEISCO for Technical Specialized Manpower Supply Co. W.L.L. – a subsidiary Company)



Chief Executive Officer

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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 ISO 14001: 2015 standard requirements and is strictly complying with the applicable legal & other regulations.

Our HSE statistics & performances are sublime on comparison with international standards which is an indication of the high standards that we possess.

HEISCO Shipyard Operations are certified with ISO 45001: 2018 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 - Shipyards 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 3 luffing

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



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.



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, 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

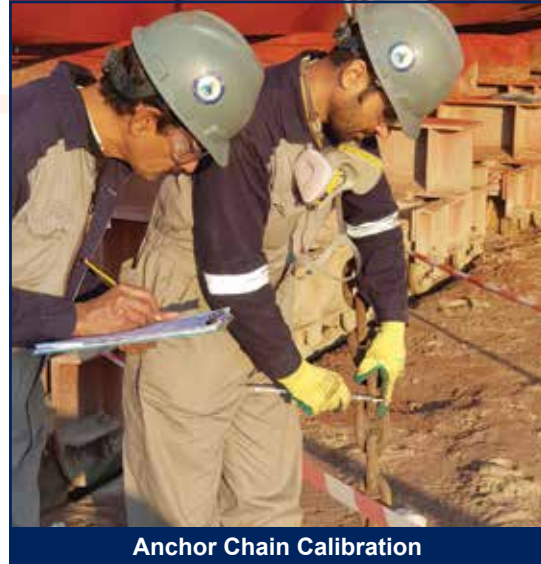
HEISCO Top Management has committed to provide Quality Services to the customers.

HEISCO has developed and implemented a Quality Management System in order to document its best business practices, satisfy the requirements and expectations of its customers and improve the effectiveness of overall management of HEISCO activities including the Shipyard Operations. The Quality Management System of HEISCO is certified to ISO 9001: 2015 requirements.

HEISCO Shipyard has an exclusive QA/QC team to support the Shipyard Operations with the guidance of Corporate QA/QC Department. HEISCO has developed and implemented Quality Management System procedures specific to Shipyard Operations to meet the specific requirements of the industry.

HEISCO is capable of providing a wide array of Testing & Calibration Services with High accuracy through its Testing & Calibration Laboratory which has been accredited to ISO 17025 requirements.

HEISCO is also providing Non Destructive Testing (NDT), Heat Treatment and Third Party inspection services to its customers with high quality. Moreover, ABS recognizes HEISCO as a recognized External Specialist in Non-Destructive Examination (NDE).

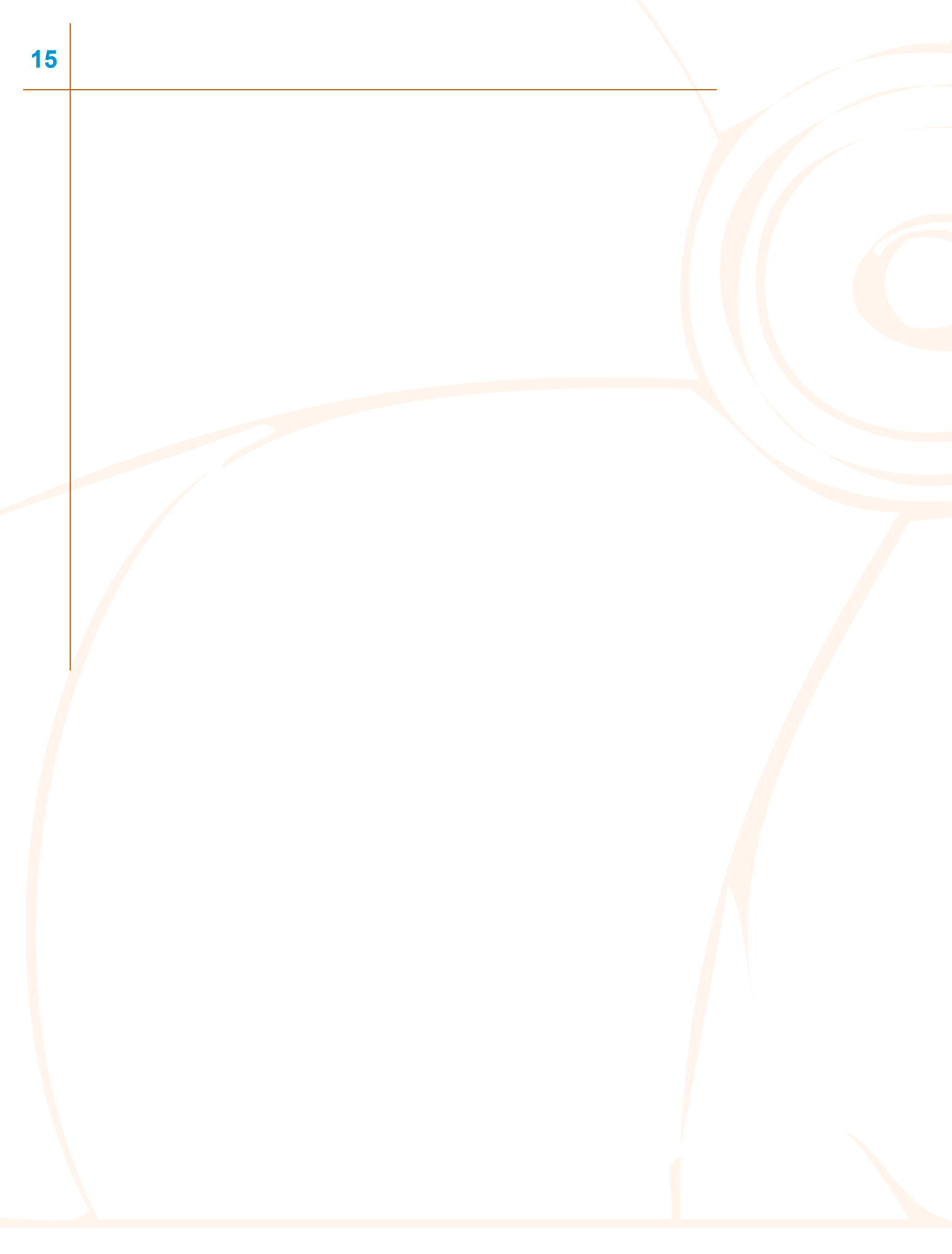


Anchor Chain Calibration



NEW WORKSHOP

Mechanical Workshop (2,025 M²) and Piping Workshop (960.3 M²) Upgrade completed in 2019 with Investment of \$. 1,042,760.000, which gave drastic improvement to work environment. Existing flooring replaced with new reinforced concrete floor slabs with heavy duty concrete surface protective coating, resin coating, and drainage system. New Roof Cladding and External Wall cladding with insulated sandwich panel installed. Fire proofing to steel structures, new slide door installed. New False Ceiling, Lighting systems, Ventilation system and Roof Top Fans are installed, Color coding of work area done.

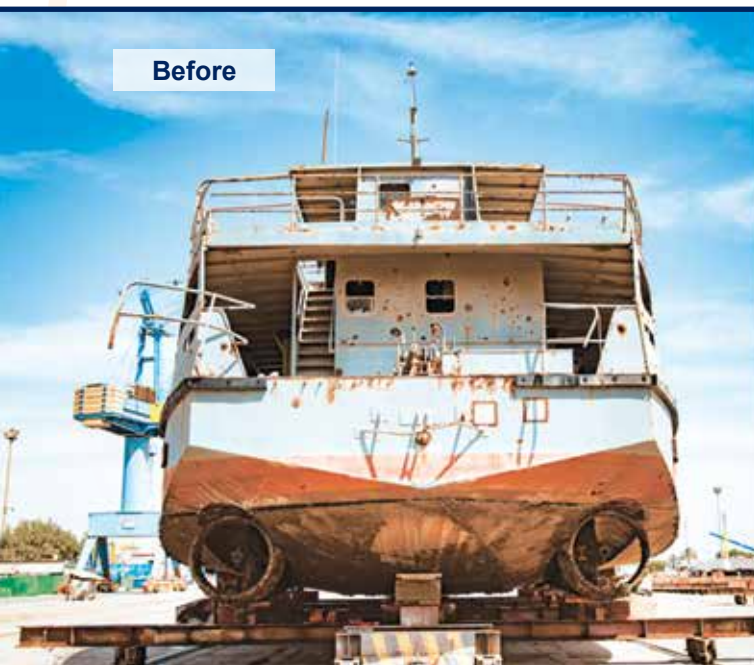


SHIPS REFURBISHMENT

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



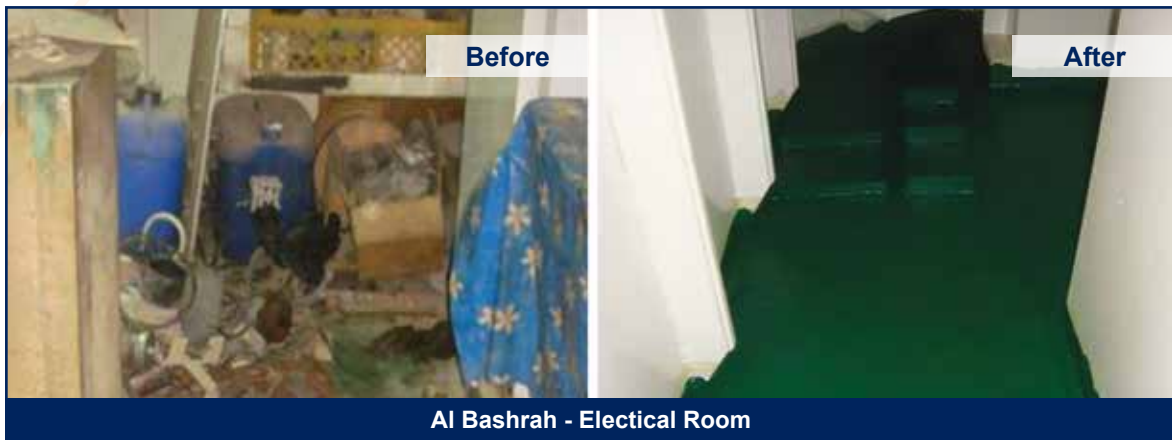
- Stern Gear System
- Steering Gear System
- Electrical (Power & Lighting)
- Preservation (Blasting & Painting)



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

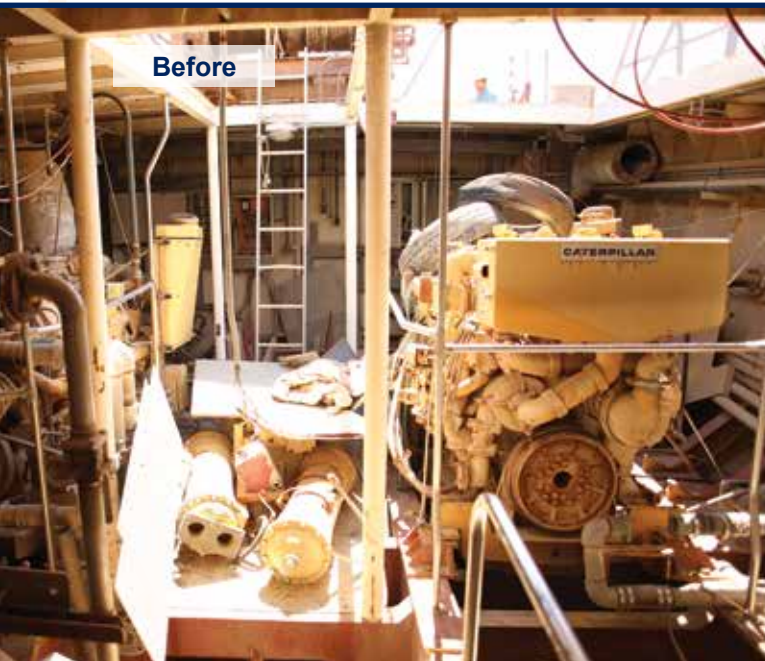


SHIPS REFURBISHMENT Cont...





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



Before



After

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.



Under Water Welding



- 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





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