

شركة الصناعات الهندسية الثقيلة وبناء السفن ش.م.ك (عامّة)

HEAVY ENGINEERING INDUSTRIES & SHIPBUILDING CO. K.S.C (Public)



HEISCO

48th ANNUAL REPORT 2023



50 YEARS OF EXCELLENCE



Kuwait Shareholding Company (Public)
Incorporated in Kuwait under
An Amiri Decree no. (46) issued in 02/04/1974

Authorized Capital : KD 22,000,000
Kuwaiti Dinars Twenty Two Million

Issued & Paid-up Capital : KD 18,024,151.700
Kuwaiti Dinars Eighteen Million Twenty Four Thousand
One Hundred Fifty One and Seven Hundred Fils

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**His Highness The Amir of Kuwait
Sheikh Meshal Al-Ahmed Al-Jaber Al-Sabah**

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BOARD OF DIRECTORS

MARZOUQ NASSER MOHAMMED AL-KHARAFI
Chairman

BADR NASSER MOHAMMED AL-KHARAFI
Vice Chairman

ADNAN MUSAED KHALIFAH AL-KHARAFI
Board of Directors - Independent

HUSSEIN MORAD YOUSIF BEHBEHANI
Board of Directors

GHAZI AHMED AL ROUMI
Board of Directors

BOARD OF DIRECTORS REPORT FOR 2023

Heavy Engineering Industries and Shipbuilding Company K.S.C. (Public)

TO OUR SHAREHOLDERS,

The Board of Directors of the Company conveys its greetings and expresses its deep appreciation to the esteemed shareholders for their continued interest in the achievements of the Company in all sectors.

The Board of Directors is pleased to submit the 48th Annual Report which sets out the activities and performance of the Company during the Year 2023, which also contains the main indicators of the consolidated Financial Statements of Heavy Engineering Industries & Shipbuilding Company K.S.C (Public) and its subsidiaries, Gulf Dredging and General Contracting Company K.S.C (Closed) and HEISCO for Technical Specialized Manpower Supply Co. (W.L.L) for the year ended on 31/12/2023.

SHIPYARD OPERATIONS:

Projects Completed During the Year 2023:-

1. Dry-Docking and Repairs of various vessels 17 Nos. for Kuwait Oil Company.
2. Dry-Docking and Repairs of various vessels 2 Nos. for Kuwait Coast Guard, Ministry of Interior.
3. Dry-Docking and Repairs of various vessels 10 Nos. for Kuwait Coast Guard, Ministry of Interior.
4. Dry-Docking and Repairs of various vessels 20 Nos. for Kuwait Navy Force, Ministry of Defence.
5. Dry-Docking and Repairs of various Fire Fighting Vessels 8 Nos. for Kuwait Fire Force.
6. Dry-Docking & Afloat Repairs of various vessels (i.e. Barges, Tugs, Crew Boats, Dipper Dredger & Jack-up Barge) 13 Nos. for M/s Gulf Dredging and General Contracting Company, Kuwait.
7. Dry-Docking and General Repairs of various vessels i.e. Barges, Tugs and Crew Boats of 6 Nos. for M/s Hyundai Engineering & Construction Co. & Hyundai Engineering & Steel Industries, Kuwait.
8. Dry-Docking and Repairs of several Pleasure Boats, Yachts 9 Nos. for various Clients.



Preservation Works of Various Vessels at the Repair Bays



Alongside Repairs of Various Vessels for Local and International Clients

9. Underwater Diving Assistance for Stop Log Installation at Doha West Power Station for M/s Al-Dhow Engineering General Trading & Contracting Company, Kuwait, for the Ministry of Electricity & Water and Renewable Energy.
10. Dry-Docking and Periodic Overhaul of various vessels 2 Nos. for M/s Al-Khafji Joint Operations, KSA.
11. Dry-Docking and General Repair Works of various vessels i.e Ocean Going Tug Boat M.V. "Challenger" and Tug Boat M.V. "Response" for M/s Jawharat Al Khaleej Shipping, UAE.
12. Dry-Docking and General Repair Work of vessels Catamaran "Umm al Khair" and Ro-Ro Ferry "Obu al Khair" for IKARUS United Marine Services, Kuwait.
13. Dry-Docking and General Repair Work of M.T. "FMT EFES" for M/s SIA FMT Shipmanagement, Latvia.
14. General Repair Works of various vessels 7 Nos. for KOC vessels for M/s Grandweld Shipyard, UAE.
15. Dry-Docking and General Services of M.V. "Almostakshif" for M/s Kuwait Institute for Scientific Research, Kuwait.
16. Supply of Marine Fleet Staff for Kuwait Oil Company towards Operation, maintenance and general upkeep of Kuwait Oil Company Marine Fleet.

17. Maintenance, Installation & Supply of Spare Parts for Vessel "Beeah-1" for Environment Public Authority (EPA), Kuwait.

18. Supply of Wartsila Special Tools for Kuwait Oil Company.

Projects Ongoing During the Year 2023:-

1. Dry-Docking and Repairs of Various Vessels for Kuwait Oil Company.
2. Dry-Docking and Repairs of Various Vessels for Kuwait Fire Force.
3. Repair and Maintenance of the supporting Equipment on Navy Force Boats (Kuwait Navy), for Ministry of Defence, Kuwait (4 Years Contract).
4. Dry-Docking, Installation of new Systems and Equipment of private Yacht named Magellan, Kuwait.
5. Underwater Strainer Cleaning for Marine Maintenance Services at MAA Refinery for HEISCO Oil & Gas Operations for KNPC.
6. Diving Operations for the underwater Survey of Intake Channel at Az-zour South Power Station with HEISCO Oil & Gas Operations for Ministry of Electricity and Water & Renewable Energy.



Underwater Propeller Polishing

7. Dry-docking and Repairs Block Agreement for KOTC Nakilat Service Boats for M/s Kuwait Oil Tanker Company, Kuwait.
8. Marine Construction and Repair Kuwait Navy Base, contract with M/s Gulf Dredging & General Contracting Company K.S.C., Kuwait (End User – United States Marine Inc. - USMI, USA).
9. Provision of Offshore Support Services for Marine Operations (For 5 years) for M/s Kuwait Oil Company, Kuwait.
10. Underwater Diving Services at Doha East Power Station for M/s KCC Engineering & Contracting Company (KCCEC), Kuwait.
11. Maintenance, Repair, Installation and Supply of Spare Parts for Maritime Patrol Boats, for M/s Kuwait Coast Guard, Ministry of Interior.
12. Dry-Docking and Periodic Overhaul of various vessels 2 Nos. for M/s Al-Khafji Joint Operations, KSA.
13. General Repair Works for New Generators Cooling System Sea Tubes for M/s Grandweld Shipyard, UAE.

Projects Awarded During the Year 2023:-

1. Rehabilitation of Marine Unit Trailing Suction Hopper Dredger "Tahreer", for M/s General Company for Ports of Iraq, Iraq.
2. Provision of Marine Fleet Staff for Marine Operations, (for 5 years) for M/s Kuwait Oil Company, Kuwait.
3. Operation & Maintenance Support Services for KOC Offshore Facilities Vessel, (for 5 years) for M/s Kuwait Oil Company, Kuwait.

4. Maintenance, Repair, Installation and Supply of Spare Parts for Maritime Patrol Boats, for M/s Kuwait Coast Guard (Ministry of Interior).
5. General Repair Works for New Generators Cooling System Sea Tubes for M/s Grandweld Shipyard, UAE.
6. Dry-Docking and Periodic Overhaul of Vessels, Contract No. HQ755TM22 for M/s Al-Khafji Joint Operations, KSA.
7. Dry-Docking and General Services of M.V. "Almostakshif" for M/s Kuwait Institute for Scientific Research, Kuwait.
8. Additional Funding and 6 months extension of Contract No. 2020/2019/33 for Dry-Docking and Repairs of Various vessels for M/s Kuwait Fire Force.
9. Underwater Diving Services at Doha East Power Station for M/s KCC Engineering & Contracting Company (KCCEC), Kuwait.
10. Dry-Docking and General Repair Works of various vessels i.e Ocean Going Tug Boat M.V. "Challenger" and Tug Boat M.V. "Response" for M/s Jawharat Al Khaleej Shipping, UAE.
11. Dry-Docking and General Repair Work of M.T. "FMT EFES" for M/s SIA FMT Shipmanagement, Latvia.
12. Underwater Diving Assistance for Stop Log Installation at Doha West Power Station for M/s Al-Dhow Engineering General Trading & Contracting Company, Kuwait.
13. Dry-Docking and General Repair Work of vessels Catamaran "Umm al Khair" and Ro-Ro Ferry "Obu al Khair" for IKARUS United Marine Services, Kuwait.



Repair and Maintenance of Various Vessels at the Floating Dock



HEISCO Shipyard showcased its Built-up Stand at the Seatrade Maritime & Logistics Middle East Exhibition which took place from 16-18 May 2023 at the World Trade Center in Dubai

Agreements & Other Achievements during the Year 2023:

1. New Representative Agreements/ Service Agreement with Local and International Companies.
2. Renewal/ Amendments of Representative Agreements with Local and International Companies.
3. Membership Renewal of International Marine Contractors Association (IMCA).
4. HEISCO's Shipyard renewal of registration with the US Federal Government's in the System for Award Management (SAM).
5. New Non-Disclosure Agreement/ Pre-Bid Agreement/ Memorandum of Understanding with Local and International Companies for the existing/ upcoming potential projects.
6. Renewal/ Amendments of Non-Disclosure Agreement/ Teaming Agreement/ Memorandum of Understanding with Local and International Companies for the existing/ upcoming potential projects.
7. Marketing Campaign carried out by publishing HEISCO Shipyard advertisements in various local/ international magazines, handbooks and websites. Also, updating the company website regularly.
8. HEISCO Shipyard successfully participated as an exhibitor in the Seatrade Maritime & Logistics Middle East Exhibition held on 16-18 May 2023 at World Trade Centre, Dubai (UAE).
9. HEISCO Shipyard will participate for the upcoming 31st SMM (Shipbuilding, Machinery and Marine Technology) Exhibition, the world's leading International Maritime Industry Trade Fair that will be at Hamburg, Germany on 03-06 September 2024.
10. HEISCO Shipyard reserved stand space for the upcoming SMLME (Seatrade Maritime & Logistics Middle East) Exhibition that will take place at the Dubai World Trade Centre, UAE on 6-8 May 2025.

OIL & GAS OPERATIONS:

Projects Completed During the Year 2023:-



Structural, Mechanical, Piping, Electrical and Instrumentation Works for Sulphur Area at Az-Zour Refinery project - EPC Package 2&3

1. Annual maintenance works for mechanical equipment at Az-zour South Power Station for the Ministry of Electricity & Water and Renewable Energy.
2. General Support Services for LSP process for Joint Operations at Wafra area.
3. Construction of 11 kV elevated ESP area substations 4 and 5 in South and East Kuwait area for Kuwait Oil Company.
4. Structural, Mechanical, Piping, Electrical and Instrumentation Works for Sulphur Area at Az-zour Refinery project (EPC Package 2&3) with main contractor for Kuwait Integrated Petroleum Industries Company.
5. Mechanical, Electrical, Instrumentation and Telecom Works for Az-zour Refinery project (EPC Package 4) with the main contractor for Kuwait Integrated Petroleum Industries Company.
6. Building Works for New Gathering Centre GC-32 with the main contractor for Kuwait Oil Company.
7. Replacement of Remote PLC I/O Modules of Berth 5 & 6 Loading Arms in New Oil Pier (NOP) at MAA Refinery for Kuwait National Petroleum Company.
8. Installation of Flowlines for Producer Wells in UMM NIQA for Kuwait Oil Company.
9. Construction of Flowlines and Associated Works in West Kuwait Areas for Kuwait Oil Company.
10. Maintenance Support Service for Export Facilities for Kuwait Oil Company.
11. Maintenance Support Services for Oil Movement and Measurement Facilities for Kuwait Oil Company.
12. Fabrication and supply of Storage Tanks for Jurassic Production Facility (JPF-4), North Kuwait with the main contractor for Kuwait Oil Company.
13. Additional 14" Mogas IRT Line from Mina Al-Ahmadi to Shuaiba and additional Inter-Connection 12" & 14" lines at tankage area (TK-272 & 254) in Mina Al-Ahmadi for Kuwait National Petroleum Company.
14. Turn Around – 2023: Mechanical Works related to Sea Cooling Water Network Rehabilitation Project for EQUATE Petrochemical Company.
15. Fabrication and Supply of Pressure Vessels & Skid Packages for Jurassic Production Facility JPF 4 & 5 (Oil Train Package) and JPF4 (EWTP Package) Project at North Kuwait with the main contractor for Kuwait Oil Company.
16. Design, Engineering, Procurement, Fabrication and Supply of Fuel Gas Scrubber (Catalyst Vessel) for Renovation of Ahmadi Domestic & Southeast Ahmadi Domestic Fuel Gas Manifolds Project with the main contractor for Kuwait Oil Company.
17. Replacement of Top Section in CDU Column (V-040-001) in Unit #40 at Mina Al-Ahmadi Refinery with the main contractor for Kuwait National Petroleum Company.
18. Fabrication and Supply of Heat Exchanger (Propane Sub Cooler) for Ethylene Unit for Equate Petrochemical Company.

Projects Ongoing During the Year 2023:-



Construction of Flowlines and Associated Works in West Kuwait Area 2

1. Resident contract for mechanical and structural works for EQUATE Petrochemical Company.
2. Workshop Support Services for Kuwait Oil Company.
3. Mechanical Maintenance services at Mina Abdullah Refinery for Kuwait National Petroleum Company.
4. Secondment Manpower Supply Services for Kuwait National Petroleum Company.
5. Decoking of various heaters by pigging method in KNPC refineries for Kuwait National Petroleum Company.
6. Professional Manpower Supply Services (PMSS) for Al-Khafji Joint Operations.
7. Revamp of boiler no. 1-6 of unit no.29 at Mina Al-Ahmadi refinery with the main contractor for Kuwait National Petroleum Company.
8. South Kuwait Excavation, Transportation and Remediation (SKETR) Project - Zone 2 Area for Kuwait Oil Company.
9. Calibration and Comprehensive Maintenance of Metering Systems at CNT Areas for Kuwait Oil Company.
10. Rehabilitation of Plate and shell & Tube Type Heat Exchangers for North and West Kuwait Areas for Kuwait Oil Company.
11. Construction of Flowlines and Associated Works in West Kuwait Area 2 for Kuwait Oil Company.
12. Civil, Structural, Mechanical, Piping, Electrical and Instrumentation works for the Construction of Jurassic Production Facility at North Kuwait with the main contractor for Kuwait Oil company.
13. Maintenance & Refurbishment of Mechanical Seal & Mechanical Parts for Gas Turbine Units, Combined Cycle, RO Units at Az-Zour South Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
14. Maintenance & Refurbishment of Mechanical Seal & Mechanical Parts for Steam Units at Az-Zour South Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
15. Repair and Life Extension of Fuel Oil Tanks (Crude Oil, Heavy Oil and Diesel) including Fuel Lines at Az-Zour South Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
16. Annual Maintenance Works for Electrical Equipment at Az-Zour South Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.

17. Annual Maintenance Works for Electrical Equipment at Doha West Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
18. Rehabilitation of Plate, Shell and Tube Type Heat Exchangers in South and East Kuwait Areas for Kuwait Oil Company.
19. Mechanical Manpower Supply for EQUATE Petrochemical Company.
20. Enhancement of North Pier Integrity to facilitate Export of Crude Oil and Hydrocarbons products up to the end of 2030 at Mina Al-Ahmadi Refinery for Kuwait National Petroleum Company.

Projects Awarded During the Year 2023:-



Operations and Maintenance of Bulk Chemicals Facilities, Operational Laboratories and Effluent Water Disposal Plants

1. Maintenance Resident Mechanical Construction Services for EQUATE Petrochemical Company.
2. Civil and Mechanical Construction works associated with Installation of C3/C4 Refrigeration Units & Storage Tanks at Juaymah NGL (JNGL) Fractionation Plant with the main contractor for Saudi ARAMCO, KSA.
3. Quality Control Services in KNPC Refineries (Group A) for Kuwait National Petroleum Company.
4. Operations and Maintenance of Bulk Chemicals Facilities, Operational Laboratories and Effluent Water Disposal Plants in company Areas and WARA Pressure Maintenance Plant in South & East Kuwait areas for Kuwait Oil Company.
5. Maintenance Services for Storage Tanks in KOC facilities for Kuwait Oil Company.
6. Mechanical Maintenance Services at Mina Abdullah Refinery for Kuwait National Petroleum Company.

7. Supply of internal vessels and Foam Breaker Pack for Joint Operation Wafra
8. Aromatics TurnAround 2024 -Area 1 & 3 Mechanical Lumpsum for EQUATE Petrochemical Company.
9. Repair of Boilers and their Auxiliaries at Doha East Power Generation and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
10. Water Facilities Upgradation for Kuwait Oil Company.
11. Construction of New 11 KV and 10 MW substations each in Abduliah and Dharif area for Kuwait Oil Company.
12. Repair and Rehabilitation of Steam Turbines (Phase 2) at Doha East Power and Water Distillation Station for Ministry of Electricity & Water and Renewable Energy.
13. Provision of Valve Maintenance and Services with Kuwait Gulf Oil Co. for Joint Operations.
14. Pipeline Construction works for Supply of Nitrogen by Pipeline to KNPC Refineries with the main contractor for Kuwait National Petroleum Company.
15. Rehabilitation of Steam Turbines and Generators for (8) Steam Units at Sabiya power station & Water Distillation with the main contractor for Ministry of Electricity & Water and Renewable Energy.
16. Quality Control Services in KNPC Refineries (Group B) for Kuwait National Petroleum Company.



Provision of Valve Maintenance and Services for Joint Operations

GULF DREDGING & GENERAL CONTRACTING CO. K.S.C (Closed) (Subsidiary)



Construction, Completion and Maintenance of 160 New Houses in South Ahmadi Area

ONSHORE & OFFSHORE OPERATIONS:

Projects Completed During the Year 2023:-

1. Construction, completion and maintenance of 160 New Houses in South Ahmadi area for Kuwait Oil Company.
2. Rehabilitation of Wave Deflector Sea Wall at Shuaiba Oil Pier for Kuwait National Petroleum Company.
3. Maintenance Dredging of Seawater Intake Channel at Subiya Power & Water Distillation Station for Ministry of Electricity and Water & Renewable Energy.
4. Cleaning of Navigational Channel, Dock and Berths at Shuwaikh Port for Kuwait Port Authority.



Marine Maintenance Works at MAA Refinery



Design and Construction of Seaside Facilities – Ras Al-Ard Logistic Station

Projects Ongoing During the Year 2023:-

1. Kuwait Naval Base (KNB) Marine Construction and Repair Project for US Army Corps of Engineers.
2. Shuaiba Oil Pier Repair & Strengthening Works for Kuwait National Petroleum Company.
3. Marine Maintenance Works at MAA Refinery for Kuwait National Petroleum Company.
4. Rehabilitation of Berths from 1 to 7 at Shuwaikh Port for Kuwait Ports Authority.
5. Operation & Maintenance support Services for KOC Offshore Facilities



Maintenance Dredging of Seawater Intake Channel at Subiya Power & Water Distillation Station



Cleaning of Navigational Channel, Dock and Berths at Shuwaikh Port

Projects Awarded During the Year 2023:-

1. Temporary Jetty Dismantle & Revetment Works (NRP-PKG # 5 - Al Zour) with the main contractor for Kuwait Integrated Petroleum Industries Co.
2. Maintenance and Replacement of Corroded Parts of the Seawater Intake Gates at Al-Sabiya Power Station and Distillation Plant for Ministry of Electricity & Water and Renewable Energy.

HEISCO for Technical Specialized Manpower Supply Co. W.L.L (Subsidiary)

Projects Ongoing During the Year 2023:-

1. Fire and Rescue Specialized Services for Kuwait Integrated Petroleum Industries Company.

FINANCIAL HIGHLIGHTS

- Revenue increased from KD 123.704 Million in 2022 to KD 146.878 Million in 2023, reflecting an increase of (18.73)%.
- Gross Profit increased from KD 9.664 Million in 2022 to KD 11.633 Million in 2023.
- General and administrative expenses increased from KD 3,588,192 in 2022 to KD 4,072,156 in 2023.
- Net Profit increased from KD 5,627,213 in the year 2022 to KD 7,110,052 in 2023.
- Earnings per share increased from 31.22 fils in 2022 to 39.45 fils in 2023.

In conclusion, the Board of Directors expresses its deep appreciation and thanks to His Highness the Amir Sheikh Meshal Al-Ahmad Al-Jaber Al-Sabah and His Highness and all Ministries and Official Departments of the State and to all Companies, Establishments, Institutions and Banks which have cooperated with the Company during the year 2023.

In particular, we express our thanks and appreciation to all the personnel of the Company and wish them continued progress and success.

BOARD OF DIRECTORS

HEISCO AT A GLANCE





Oil & Gas Operations

HEISCO AT A GLANCE

HEISCO, formerly known as Kuwait Shipbuilding & Repairyard Co. (KSRC), was established in 1974, focusing on the shipping and maritime industry. In 2003, the company was officially renamed “Heavy Engineering Industries & Shipbuilding Co. K.S.C.”

Heavy Engineering Industries & Shipbuilding Co. K.S.C. (Public), [HEISCO], is a leading Engineering, Procurement and Construction (EPC) contracting company in the State of Kuwait, catering to oil & gas, refineries, petrochemicals, power, distillation and desalination, shipbuilding, ship repair, dredging, and marine construction sectors. HEISCO delivers diversified services to the industry with civil, mechanical, electrical and instrumentation constructions, maintenance, fabrication, galvanizing, shipyard services and onshore & offshore operations.

HEISCO is a Kuwaiti Shareholding Company listed on the Premier Market of the Kuwait Stock Exchange. The “Premier Market” is the flagship of the Boursa Kuwait Markets, targeting companies with high market capitalization based on performance and trading activities throughout the year.

HEISCO's commitment to its clients is proven by its quality, health and safety, and environmental certifications. HEISCO's Quality Management System is ISO 9001:2015 certified, the Occupational Health & Safety Management System is ISO 45001:2018 certified, and the Environmental Management System is ISO 14001:2015 certified.

In addition to the company's Iraq presence, HEISCO has a branch in Saudi Arabia with a branch office in Alkhobar. The company's dedication to meeting the highest industry standards is evident in obtaining

approval from Saudi Aramco. Moreover, HEISCO envisions establishing state-of-the-art manufacturing and service facilities in Saudi Arabia. As part of this vision, the company has acquired a 200,000 m² area within Ras Al-Khair Industrial City.

HEISCO is honored to be recognized among the Oil & Gas Middle East's Top 25 EPC contractors in the Middle East for the year 2023, securing the 23rd position among multinational companies in the region. This accomplishment demonstrates our unwavering dedication to providing quality in all aspects of our operations.

Fields of Activity:

- Oil & Gas Construction Operations
- Shipyard Operations
- Industrial Maintenance Operations
- Fabrication Operations
- Trading Operations
- Quality Control & Testing Services
- Testing & Calibration Lab
- Scaffolding Services
- Galvanizing Plant
- Onshore and 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)

Oil & Gas Construction

Oil & Gas Construction Operations was established in 1982 with a view to expanding and diversifying HEISCO's activities into the oil & gas, petrochemical, power, and water desalination sectors. The Company has strong industry experience and provides a wide range of services to regional and international clients with particular emphasis on expertise, experience, capabilities, and quality across all engineering and management functions.

Activities in brief:

Mechanical Operations

Flowlines



Flowlines

HEISCO executes its works from field survey and site investigation to the installation of flowlines and commissioning. It performs planning, procurement, supply of materials, supervision, fabrication, inspection, and testing for the flowlines and pipelines of carbon steels and RTP, the extension of headers/manifolds and construction of new remote manifolds with all associated civil works.

Pipeline

HEISCO has an extensive experience in the Engineering, Procurement and Construction of pipeline projects in Kuwait, with safety as an important cornerstone. The Company is an expert in large-diameter and long-distance pipeline constructions and executed a number of such pipeline projects of various sizes and lengths in Kuwait.

The Company has successfully completed a subcontract for the Low Sulphur Fuel Oil (LSFO) project, having 200 km of pipeline with a diameter of 48" and 600 km of pipeline with a diameter of various sizes up to 56" for Kuwait Oil Company.



Pipelines

Similarly, HEISCO has also successfully completed a contract of Engineering, Procurement, Construction and Commissioning of Heavy Fuel Oil Pipelines having 120 km of 20" diameter pipelines in two parallel lines laid from Mina Ahmadi Refinery Pumping Station to the Doha Power Station for the Ministry of Electricity & Water and Renewable Energy.

Plants



Plants

HEISCO has strong capabilities to execute major plant construction projects. With highly qualified, experienced, and skilled manpower and a large fleet of construction equipment, HEISCO successfully carried out construction activities from concept to commissioning, committing to high-quality standards and efficiency. The Company has a thriving track record of working under extreme environmental conditions to execute projects focusing on employees' health and safety and environmental protection and offers multidisciplinary services. HEISCO's best-in-class execution practices, along with its proficiency, ensure on-time delivery within the estimated budget.

The services involve project management, construction management, site preparation, temporary facilities, civil construction works, piping and structural fabrication, mechanical construction works, electrical and instrumentation works, start-up, commissioning assistance, etc.

Civil Operations



Civil Operations

Civil construction is crucial to a project's success. HEISCO offers years of extensive experience in civil construction and development. Its professional civil construction team along with dedicated technologies and equipment deals with the design, construction and maintenance of Industrial civil construction and infrastructure.

The civil work ranges from excavation, backfilling, soil remediation, and trenching to advanced soil stabilization techniques, road and asphalt works, construction of all kinds of buildings for control rooms, including the Earthquake resistant building, sub-stations, process and utility stations, construction of various types of foundations for static and rotary equipment, pipe rack and pipe supports and fabrication and installation of equipment platforms.

Electrical & Instrumentation Operations

HEISCO is a distinguished leader in Electrical, Instrumentation, and Telecommunication services, delivering an extensive array of specialized solutions. Its commitment encompasses a broad spectrum of services, including engineering, construction, calibration, cathodic protection, testing, pre-commissioning, commissioning, maintenance, etc., catering to critical sectors such as oil and gas construction, operation and maintenance, and marine and power projects. HEISCO's offerings are indispensable in ensuring seamless project execution and operational excellence.



Electrical & Instrumentation Operations

The electrical and instrumentation division is led by a cadre of highly qualified professionals and boasts an unparalleled wealth of experience in overseeing substantial construction projects in various sectors. The team operates with precision and efficiency, harnessing the capabilities of HEISCO's state-of-the-art facilities, equipped with sophisticated instruments, cutting-edge equipment, and advanced tools.

HEISCO's comprehensive services cover the entire project lifecycle, spanning engineering and construction, calibration and testing, pre-commissioning, commissioning, maintenance, and Troubleshooting. It brings tailored solutions prioritizing safety and efficiency, focusing on industry-specific needs in construction support, operation and maintenance, oil and gas, and power projects. HEISCO is committed to delivering high-quality work with precision, supported by world-class facilities and sophisticated instruments. HEISCO's Electrical and Instrumentation Operation embodies a commitment to excellence, leveraging extensive expertise and cutting-edge facilities to deliver services that surpass industry standards across diverse projects and sectors.

Tanks Operations

With decades of experience in manufacturing and successful installations of storage tanks, HEISCO is capable of accomplishing EPC works of large diameter tanks with complex process-internals and structures, including process designing of internals and their successful installation at project sites. At present, HEISCO is the only Kuwaiti company to possess KOC approval for EPC of storage tanks up to the capacity of 500,000 bbls.

HEISCO is the first Kuwaiti company that built the largest tank ever constructed by a local company in Kuwait. A storage tank of 64.8 m in diameter and 19.5 m in height has been constructed for the Lower Fars Heavy Oil Development Program Phase-1 project in South Tank Farm with the main contractor for Kuwait Oil Company.



Tanks Operations

The Company has the complete in-house facilities for full turnkey projects from design, detailed engineering, procurement, and fabrication of tanks to site erection, installation of interconnecting pipework, electrical and instrumentation, painting, lining, and coating, including pre-commissioning and commissioning. The international standard codes followed are API 650, API 620, or equivalent standards with all associated standards of AWS A.I, ASME IX etc. and some specific standards such as Swedish Sa for surface preparation and SPCC specifications for painting, coating, or lining.

HEISCO successfully completed the erection of two aluminium domes weighing 133 tons each at the Sulphur Granulation and Conveying Unit (K-037) for Kuwait Integrated Petroleum Industries Company (KIPIC). The domes were installed on top of two tanks having a diameter of 86.5 m each. We accomplished the task with the support of three man-lifts with a height of 58.4 m. This work was the first of its kind in Kuwait.

Industrial Maintenance



Industrial Maintenance

HEISCO's Industrial Maintenance Operations (IMO) is recognized as one of the main providers of value-added services to prestigious clients such as KOC, KNPC, MEWRE, EQUATE, JO, KGOC, and PIC. The Industrial Maintenance team has vast experience, expertise, and proficiency in complete industrial services. IMO has carved out a distinct identity as a provider of technical support and solutions with the highest quality and safety standards in value proposition.

Maintenance Operations



Maintenance Operations

HEISCO's capabilities include of executing maintenance of oilfield upstream facilities, long-term refinery maintenance contracts in downstream industries, upgrade of the complete fuel system in power plants, machining and re-blading of 300 MW HIP & LP rotors, dynamic balancing, rewinding of power plant generators, nozzle blocks replacement, maintenance and troubleshooting of rotary equipment, static

equipment, shell & tube and plate type heat exchangers, filters, compressors, repairing and reconditioning of all kinds of valves, overhauling of heavy-duty engines, reconditioning of engine components, repairing of heavy-duty radiators, rehabilitation of industrial boilers and special machining of critical components by using CNC machinery. In synergy with group partners, HEISCO has also executed marine maintenance projects.

The Company also undertakes complete plant shutdowns and unit shutdowns on a turnkey basis, steam and gas turbine power plant modernization and rehabilitation projects with internally renowned OEM's, Manufacturing ASME standard pressure vessels, separators, shell & tube heat exchangers, columns, and towers. Additionally, Industrial Maintenance Operations has also involved in the supply of professional, technical, and administrative manpower to KNPC, KIPIC, EQUATE and KJO. In an industry that demands a quick response, HEISCO's experienced team is available 24/7 and ensures safe, efficient, and quality services coupled with cost-effective measures.

Power Plant Operations



Power Plant Operations

With extensive experience in operation and maintenance of power plants and with a wide range of equipment, HEISCO executes complete onsite maintenance of power stations necessary to run a power plant in a safe, reliable, compliant, efficient and most economical manner.

Services under Power Plant Operations are annual shutdown works for boilers, chemical cleaning operations, major overhauling of steam turbines, rehabilitation of steam turbines and gas turbines, boiler combustion efficiency improvements, mechanical, electrical, instrumentation and control systems, maintenance of water distillation units, re-carbonation plant, fuel oil pumping station, compressors, pumps,

distillation and intake facilities, ID/FD/GR fans and blowers, maintenance and re-tubing of plate type and shell & tube type heat exchangers and fin fan coolers, condensers, oil and air coolers, etc.

HEISCO has a comprehensive in-house maintenance workshop facility equipped with the most modern machinery. A state-of-the-art heavy machinery workshop has been built to deal with heavy rotating machinery components such as turbine parts. The CNC vertical turning lathe and 5 Axis CNC horizontal boring machines installed in the workshop have the highest capacity of its kind in the Middle East region.

Fabrication Operations



Fabrication Operations

HEISCO is dedicated to expanding and enhancing the quality and efficiency of its existing business units by consistently upgrading the fabrication facilities to offer its clients enhanced services.

Highlights:

- The only Kuwaiti company approved as the manufacturer of indirect type Oil-fired Heaters
- Design and engineering capabilities with advanced software including AME TANK V16.11.21, CAESAR-II 2020 V12.0, STAAD Pro (Connect Edition), MAT3D 2019 Premium (Foundation Design Suite), PIPENET Vision (Spray/Sprinkler and Standard) V1.11.0, BricsCAD Pro 2022, HILTI Profis Engineering, CADWorx Plant Pro 2022, CADWorx Plant Pro with P&ID 2021, NozzlePro V16.0, DIALUX V4.13, LANTEK Expert- 2014, Cut Logic 1D - V.4.5.0.466-2002-2011, Peddinghaus Shop data software-2013, Raptor software-2017, Iso-Builder Piping K7 V1.7.14.15054, RAMP Piping V1.0.0.2139, Joint Check Piping Version 1.0.0.0 (2020-11-11), Pipe Cut 1.0.0.165, Pipe Label Printer V 1.0.1.4, Spool Finder V10, COMPRESS,

Build 8400, PV ELITE Version26, TEKLA Structures 2021, CodeCalc V26, Wrench, ETAP, Aveva E3D V3.1.7, PIPENET Transient V1.11.0, and Smart Plant Intools, HAP V6.1, GStarCAD PRO 2024.

- Independent in-house NDE and Material Testing Facility.

In addition to Quality Management System Certification of ISO 9001:2015, Environmental Management System Certification of ISO 14001:2015 and Occupational Health and Safety Management System Certification of ISO 45001:2018 standards, the workshops facilities are certified by the American Society of Mechanical Engineers (ASME) and the National Board of Boiler and Pressure Vessel Inspectors. HEISCO is authorized to put the U, U2, S, PP and NB R stamps to its products and the API Monograms for separators (API 12J-0016).

The Power Boilers/parts, Pressure Vessels/parts and Power piping are constructed in accordance with ASME Boiler and Pressure Vessel Code Section I, VIII Division 1/2 and ASME B31.1 respectively. Items meeting all the requirements of the ASME Boiler and Pressure Vessel construction Code are stamped with ASME Certification Mark and relevant ASME Certification Designators S / U / U2 / PP as applicable. Pressure retaining items that are repaired/alterd/re-rated in accordance with National Board Inspection Code are marked with R Stamp.

The company offers an array of products such as specialized pressure vessels, industrial modular structures, process equipment including skid packages, separators, desalters, scraper traps/pig launchers and receivers, heaters, reactors, power boilers, column and towers, shell and tube heat exchangers, shop fabricated tanks, prefabricated pipe spools, etc. HEISCO is the first Kuwaiti company to have a fully automated piping spool fabrication system in Kuwait. It has dedicated facilities for the fabrication of large, prefabricated pipe spools for mega projects.

Trading Operations

HEISCO's dynamic sales & marketing team is responsible for promoting and marketing the products, equipment, and services of leading international companies to the local marine industry, oil & gas, power and water desalination sectors. HEISCO offers its customers an unrivalled service, technical competence and after-sales services.

Under the trading operations, HEISCO promotes a variety of industrial products and the interests of sponsorship for recognized international EPC contractors in Kuwait, including pre-commissioning services.



Trading Operations

Some of the products promoted by HEISCO are Boiler and turbine spares, SMLS pipes (line pipes and flow pipes), casing and tubing, valves (ball, gate, globe and check), RTP pipes and fittings, steel abrasives (steel grits and shots), blasting and painting equipment, welding equipment and gas detection instruments, coating and NDT instruments, NDT inspection equipment for tanks, pipes and vessels, hot tapping, leak sealing, composite pipe repair and nozzle testing, wellhead Christmas tree, SSV and a complete range of drilling and wellhead equipment.

Quality Control & Testing Services



Quality Control and Testing

HEISCO's top management is committed to providing Quality Services to its customers. HEISCO has developed and implemented a robust Quality Management System to ensure the best business practices, meeting customer expectations. This system also strives to improve the effectiveness of the overall management of its various operations. The Quality

Management System is certified to comply with ISO 9001:2015 standards.

HEISCO has an independent QA&QC department that ensures the uncompromised quality of services to customers, meeting their expectations. The operations are supported by an exclusive team guided by the Corporate QA&QC department. HEISCO holds certifications from international entities such as ASME and API, demonstrating the quality of its products.

The company is equipped to provide a wide array of Testing & Calibration Services with high accuracy, facilitated by its accredited Testing & Calibration Laboratory complying with ISO 17025 requirements. HEISCO also extends its services to Non-Destructive Testing (NDT), Heat Treatment, and Third-Party inspection services to its customers with high-quality standards.

The laboratory is ISO 9001:2015 certified and accredited for technical competence in the fields of calibration and mechanical testing in accordance with the international standard ISO/IEC 17025:2017 by the American Association for Laboratory Accreditation (A2LA).

Testing & Calibration Laboratory



Testing & Calibration Laboratory

HEISCO's Testing & Calibration Laboratory, initially established to provide in-house testing & calibration services, grew rapidly to cater its services to external customers for oil & gas, petrochemicals, infrastructure, electrical, power and water sectors. The laboratory has the capability to provide a wide range of competitive and comprehensive testing and calibration services for in-house, on-site and third party inspection for specialized instruments. It has a highly qualified and trained professional team to perform the Testing & Calibration services with high quality, accuracy, and reliability to various in-house projects/external customers.

Scaffolding Services



Scaffolding Services

HEISCO's Scaffolding Unit caters to the scaffolding requirements of a variety of projects and maintains a strong working relationship with our clients. Our Scaffolding team is aware of the clients' expectations and know-how to achieve satisfaction, trust, and reliability of our customers in terms of quality, safety and time. We believe that safety is our highest commitment. We have a clean record and high rating in providing Scaffolding Services. Our scaffolding protects our people by providing the safest platform to stand on and work with both hands free. Scaffolding is important where there is construction, maintenance and repair; there is no other way to reach different heights safely.

Galvanizing Plant



Galvanizing Plant

HEISCO has a state-of-the-art Galvanization plant located in Shuaiba industrial area, Kuwait. The plant caters to the requirements of its various clients and customers for oil & gas, petrochemicals, infrastructure, electrical, power and water sectors. Furthermore, it is highly automated and has the lowest emissions of any hot-dip galvanizing plants in Kuwait.

Galvanization is one of the best forms of corrosion protection. It is the process of applying a protective zinc coating to steel or iron to prevent corrosion. HEISCO offers hot-dip galvanizing service to a wide variety of steel components, ensuring the best service and quality possible.

With the most modern equipment and environment-friendly technology, HEISCO is capable of galvanizing steel components on a large scale. The automated material handling and processing equipment, along with a remote-controlled dipping system, deliver a consistent coating for long-life protection against corrosion.



Welding of T-Plate Stiffener Using Auto-flux Core Arc Welding Machine

SHIPYARD OPERATIONS:

Strategically located in Shuwaikh's deep water harbor, the Shipyard is optimally situated to execute ship repair, ship refurbishment, and new construction projects at competitive rates while maintaining the highest quality standards.

HEISCO's skilled and highly trained workforce possesses the versatility to operate effectively in both marine and industrial fields.

Equipped with cutting-edge technology and strong yard management team, HEISCO offers an utterly exceptional combination of expertise, ensuring excellent quality and delivery on time.

HEISCO takes pride in its extensive portfolio of clientele, encompassing major local, regional, and international entities. As an international ship repair and shipbuilding company, HEISCO is committed to becoming a frontrunner among Middle Eastern shipyards by utilizing the latest technological advancements.

Workshops are equipped with Machines and accessories such as:

- LAYHER Scaffolding Marine Materials
- Pneumatic Paint Agitator (Air Mixer)
- Misc. Types of Vapor Abrasive Blast Equipment
- GRACO Airless Paint Spray Machine
- High Pressure Water Pump (FALCH) Trail Jet 500 Bar
- High Pressure Water Pump (FALCH) Base Jet 500 Bar
- High Pressure Water Pump (FALCH) Trail Jet 2500 Bar
- High Pressure Water Jet Unit (FALCH) 30500-30-95 D 500 Bar
- Dehumidifier Drycool Duracase Air Conditioning and Humidity Control
- Vacuum Unit with Hopper Discharge 45KW, Brand: Delfin
- Big Clem Blasting Machine, Brand: CLEMCO, VOL: 3500L
- Tig Welding Machine
- Sub Arc Welding Machine
- Portable Plasma Cutting Machine
- Auto Bevel Cutting Machine
- Diesel Welding Generator
- Cable Tags Portable Embossing Machine
- Refrigerator System Analyzer
- Ajax Centre Lathe Machine 10m Length
- Shaft Straightness Machine 10000 Psi
- Laser Shaft Alignment Machine
- Machine Condition Advisor Machine
- Stick Plasma And Mig Welding Machines With Wire Feeder
- Steel-Grit Abrasive Closed Blasting Room
- Down-Draft Dry-Type Closed Paint Booth
- CNC Plasma / Oxy-Acetylene Plate Cutting Machine
- Electronic Power Frequency Converter 60Hz / 440V
- Oil Filtration & Flushing System
- SCHENCK Propeller & Rotor Balancing Machine (HM40U 3 Tons)
- Resistive Load Bank 1000Kw, 440V/3ph, 50/60Hz with handheld control
- Carpentry Workshop equipped with Sliding Table Panel Saw, Band Saw, Table Saw. Multi Planer, Wood Turner Machine and Hydraulic Press Machine
- Trail Jet 125 2500-26-0-D (High Pressure Water Jet Unit 2500 Bar)
- Trail Jet 30 500-30-0-D (High Pressure Water Jet Unit 500 Bar)
- WIWA Mortar Pump Model # 60012 – For Deck Application of Non-skid
- Digital Laser Coupling Alignment Machine SKF Type
- Horizontal Boring Machine (Kearns) 1200mm Table Traveling up to 6 Tons Weight
- Knuth 3 Rolls Motorized Plate Rolling Machine
- Bakker Ridderkerk 300 Tons Double Column Press Hydraulic



Aerial Overview of Syncrolift & Jetties

Shipyard Facilities:

- Syncrolift accommodates vessels up to 5,000 ton dwt.
- 7 Repair Bays, length from 90 to 130 meters, linked by a transfer system.
- 5 Cranes, 10 to 30 tons, cover the yard areas.
- 5 Berths, ranging from 90 meters to 230 meters with cranes.
- Floating dry dock, length 190 meters, width 32 meters, caters for vessels up to 35,000 ton dwt.



Floating Dock

Shipyard Services:

The shipyard provides a wide range of services, including but not limited to:

- Afloat repairs.
- Modification and conversion of vessels.
- Shipbuilding of specialized vessels.
- Steel and Aluminum Construction.
- Repair, testing, calibration of equipment and machinery.
- Jet Propulsion, Repair / Overhauling.
- Diesel Engines Overhauls
- Ship Refurbishment.
- SPMs refurbishment & building.
- Agent for International Marine Equipment and Devices Vendors.

Underwater and Diving services following the International Marine Contractors Association (IMCA) standards. The services include but not limited to:

- Underwater inspection & survey.
- Underwater cleaning.
- Underwater permanent/temporary repairs.
- Underwater cutting/welding.

GULF DREDGING



Hopper Dredger - GD 3000

GULF DREDGING & GENERAL CONTRACTING CO. K.S.C (Closed)

Gulf Dredging & General Contracting Company K.S.C (Closed) [Gulf Dredging] was formed in 1975 as a Joint Shareholding Company of the Government of Kuwait and Ballast Nedam Company of the Netherlands to cater to the growing requirement of dredging in and around Kuwait. Initially focusing on dredging with Backhoe Dredger and Allied equipment, the Company concentrated on the Capital Dredging Projects in Kuwait. Later in 1980, the Company diversified into other areas of Marine Construction.

After the privatization of the Government of the State of Kuwait, Gulf Dredging became a subsidiary of the Heavy Engineering Industries & Shipbuilding Co.

K.S.C (Public) – (HEISCO). In 1999 Gulf Dredging Management established a civil construction division to carry out civil and infrastructure works and executed several complex projects. Since then, Gulf Dredging has been classified as a Class-I Civil Contractor by the Central Agency for Public Tenders (CAPT) of the State of Kuwait. As part of the business expansion strategy, Gulf Dredging started branches in Al Khafji, Kingdom of Saudi Arabia, in 2005 which is approved by Saudi ARAMCO, and the Republic of Iraq in 2019. The present paid-up capital of Gulf Dredging is KD 10,399,961.



Cutter Suction Dredger - GD 4000



Construction of Offloading Jetty at Ras Al - Ard Logistics Station

Activities in Brief:

Offshore Operations:

- Dredging and Reclamation
- Construction of Ports, Harbors & Marinas
- Construction of Wharfs and Berths
- Breakwaters and Revetments
- Offshore Pipelines and Intake/Outfall Structures
- Offshore Cable Pulling Works
- Bathymetric, Hydrographic and Topographic Surveys
- Piling Works
- Marine Transportation of Bulk Cargo
- Various Maintenance Services



Heavy Equipment Barge for Marine Maintenance Works at Mina Al Ahmadi Refinery



Berthing Facilities at Shuwaikh Port, Kuwait

Onshore Operations:

- Construction and Infrastructure Works
- Steel Structure Works
- Soil Treatment
- Dewatering
- Piling Works
- Value Engineering

Gulf Dredging has its presence in the following

Countries:

- Kingdom of Saudi Arabia (Branch Office)
- Republic of Iraq (Branch Office)
- State of Qatar
- Sultanate of Oman



Various Barges for Bulk Cargo



Heavy Equipment Yard

Certifications:

- Class-I in Civil Construction Works & Class-IV in Roads & Infrastructure works by Central Agency for Public Tenders (CAPT).
- Approved Civil & Marine Contractor with Kuwait National Petroleum Company.
- Approved subcontractor for Seawater Intake and Outfall works by Ministry of Electricity and Water & Renewable Energy.
- Member of IMCA (International Marine Contractors Association)
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- Registered with SAM (System for Award Management – Official US Government System)
- Registered with NEOM Projects - KSA
- KSA Branch is registered and approved by Saudi ARAMCO.



Heavy Equipment Yard

Resources

Offshore Equipment:

Gulf Dredging is well equipped with Offshore Equipment comprising of:

- Cutter Suction, Dipper and Traylor Suction Hopper Dredgers (TSHD)
- Tug Boats
- Work Boats
- Survey Boats
- Fuel Supply Boats
- Multicat Boat / 7 ton crane / fuel supply
- Jack-up Barge (Self Elevating Platform)
- Split Hopper Barges
- Cargo Barges (Flat Top) up to 14000 Mt
- Flat Top Barges (for Marine Construction)
- A Frame Barge for fuel supply and anchor handling
- Diving Barges
- Anchor pontoons for Dredger Floating Pipelines
- Speed Boats

Onshore Equipment:

GD is well equipped with Land Equipment comprising of:

- Heavy Lifting Mobile & Crawler Cranes (Capacity from 50 ton to 280 tons)
- Earth Moving Equipment, Bulldozers, Wheel Loaders, Graders and Excavators
- Piling Rigs for Sheet, Concrete and Steel Tubular Piles with capacity to drive up to dia 2850 mm
- Auguring and Boring Equipment
- Dewatering Equipment

Logistics:

- Capable of Sea Bulk Cargo Transport using Barges with Capacity up to 14000 Mt.
- Capable of Land Transport using Fleet of Rock Body Trucks / Trailers.
- Loading and Offloading Facility at Shuwaikh Port.