The most important asset of HEISCO is our dedication to safety and quality in an industry characterized by assuming unnecessary risks when timely completion is a challenge and sacrificing quality for profit. Over the last few years, we have built a reputation with Government and Private Clients for high standards which can be jeopardized by the actions of any of us. Despite the pressures of tough and competitive markets and the instability in the regional and global economies, we need to emphasize our commitment and adherence to maintain this reputation.

Heavy Engineering Industries & Shipbuilding Co. K.S.C (Public) (HEISCO) has evolved from a shipbuilding and ship maintenance company to a major player in Oil & Gas construction, maintenance and fabrication with emphasis on pipelines, tanks and specialized vessels. Our shipyard continues to be a significant contributor to our business, with local and regional loyal customers. Each employee is personally responsible for continuing this momentum and the drive for achievement without losing sight of our values and our high standards, the pillars of our reputation.

Success is never easy, but always rewarding. Hand in hand, we persevere and reach our goals however high we set them.

Chief Executive Officer
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About Us</td>
<td>2</td>
</tr>
<tr>
<td>Industrial Maintenance Operations</td>
<td>3-4</td>
</tr>
<tr>
<td>Maintenance Workshop</td>
<td>5-7</td>
</tr>
<tr>
<td>Maintenance Services</td>
<td>8-10</td>
</tr>
<tr>
<td>Maintenance Facilities</td>
<td>11-13</td>
</tr>
<tr>
<td>Health, Safety and Environment Milestones</td>
<td>14</td>
</tr>
<tr>
<td>Performance Awards and Achievements</td>
<td>15</td>
</tr>
<tr>
<td>Scaffolding Services</td>
<td>16</td>
</tr>
</tbody>
</table>
About Us

Heavy Engineering Industries & Shipbuilding Co. K.S.C. (Public), [HEISCO], formerly known as Kuwait Shipbuilding & Repairyard Co. (KSRC), is a leading service provider to the Oil & Gas Sector, Industrial Maintenance, Shipbuilding, Ship Repair, Dredging and Fabrication in Kuwait.

Established in 1974 as shipbuilding and repairing company, it became a major player in the field of shipping and maritime services in Northern Arabian Gulf region with highly sophisticated equipment, skilled work force, huge shipyard and all the resources necessary to fulfill the repair, maintenance and inspection as per the requirements of ship owners, both local and overseas.

In 1982, HEISCO expanded its activities into the fields of industrial contracting, oil, power & construction sectors, industrial maintenance and inspection. After the privatization programme of the Government of Kuwait in 1995, Gulf Dredging & General Contracting Company has become a subsidiary of HEISCO.

HEISCO’s Operation services cover diverse range of clients and projects which applies particular emphasis on expertise, experience, capability and quality across all Engineering and Management Functions.

Our Quality Management System was first certified to ISO 9002 in August 1995 and has since been regularly certified with ISO 9001:2008 standards. HEISCO is one of very few companies in Kuwait accredited with OHSAS 18001 Certification for Occupational Health & Safety Management System.

Over the years, the scope of business has diversified into the following business lines:

- Oil & Gas Construction Operations
- Shipyard Operations
- Industrial Maintenance Operations
- Fabrication Operations
- Trading Operations
- Onshore and Offshore Operations (through Gulf Dredging & General Contracting Co. K.S.C. (Closed), a subsidiary company of HEISCO)
INDUSTRIAL MAINTENANCE OPERATIONS

HEISCO is well known as a most reliable maintenance contracting company in Kuwait catering to the Oil & Gas, Refineries, Petrochemicals and Power & Water Sectors for Mechanical, Electrical and Instrumentation Maintenance Services. It is a leading provider of value-added services to prestigious clients namely, MEW, KOC, KNPC, KGOC, PIC, EQUATE and JO in Kuwait.

We provide technical supports and solutions with high standards of quality and safety in cost-effective way. Our Maintenance team has acquired vast experience, expertise and proficiency in complete industrial services. We are competent in maintenance of oilfield up-stream facilities, various insulation and cladding works, sludge treatment, etc.
Our Capabilities:

- Operation, maintenance and rehabilitation services for oil & gas and power sectors.
- Rehabilitation of plate type and shell & tube type heat exchangers.
- Tank maintenance services.
- All types of valve maintenance services.
- Insulation, refractory, painting and fire proofing works.
- Chemical cleaning of boilers.
- Maintenance of all types of rotating equipment like turbines, compressors, pumps, fans and blowers.
- Hydro-jetting and chemical cleaning of boilers.
- Erection and installation for all types of rotating and static equipment.
- Insulation services for all types of pipes and equipment.
- Re-gasketting and reconditioning of all kinds and makes of plate heat exchangers, APV, ALFA LAVAL, GEA-ECOFLEX, TRANTER.
- Overhauling of heavy duty engines, TG sets and reconditioning of engine components.
- Repairing and reconditioning of heavy duty radiators, oil coolers, condensers and air coolers.
- Dynamic balancing of shafts, impellers and other rotary parts.
- Specialized machining services such as crankshaft and camshaft grinding, cylinder block line boring and connecting rod boring.
- Bolt tightening and cold cutting services.
- Bearing block assembly.
- Supply of manpower for operation and maintenance support.

We also undertake complete shutdowns including general refinery turn-around (GRTAs), unit shuts down on a full responsibility basis and do scaffolding services. In an industry that demands quick response, our experienced team is available 24/7. We ensure safe, efficient and quality services while maintaining low costs.
MAINTENANCE WORKSHOP

The facilities that make us stand out:

Our Industrial Maintenance facility covers 4,650 square meters in Shuaiba Industrial area equipped with the advanced equipment and facilities.

The maintenance workshop houses two main bays, the Maintenance Workshop and the Turbine Repair Workshop, which are outfitted with overhead cranes with a capacity of 1x10 tons and 2x35 tons. They cater to medium to large sized components up to 60 tons in weight. It has several distinctive work areas such as machining bays, fabrication and welding bays, wash bays, heat exchanger re-gasketting and re-tubing areas, valve repair and testing facility, DP testing room, tool room and fully furnished modern offices.
Our Skilled Manpower:

The quality of our services is testimony to the quality of our people. HEISCO’s Industrial Maintenance Operations is resourced with highly qualified and trained maintenance technicians, engineers and project management staff. It has more than 1700 highly skilled workforce with long years of experience in industrial maintenance works. Some of the specialized manpower includes turbine technicians, mechanics, machinists, welders, machine operators, re-tubing technicians and hydro-blasters.

Our Advanced Machinery & Equipment:

Our in-house state of the art maintenance workshop facility is fully equipped with modern machinery and equipment such as lathe machines, shaping machine, horizontal boring machine, vertical turning lathe machine, radial drilling machines, pipe threading machine, valve lapping machine, mechanical seal lapping machine, welding machines, valve test bench machine and all kinds of specialized heat exchanger and re-tubing equipment.
Machinery and Specification

**CNC Vertical Turning Lathe Machine**

- **Model:** DTCV3500 Series with FANUC Oi MD
- **CNC double column type with single RAM**
- **Maximum turning diameter:** 3500 mm
- **Maximum height of work piece:** 2000 mm
- **Permissible mass of work Piece:** 20 Tons

**CNC Floor Boring Machine**

- **Model:** FHB series with FANUC Oi MD
  - **Stroke for:**
  - Column (x): 1100mm
  - Saddle for spindle head (Y): 3500mm
  - RAM: 1100 mm
  - Boring spindle (W): 900 mm
  - Table (V): 2000 mm
- **Rotating table Size:** 3500mm x 3500mm
- **Permissible mass of work piece:** 60 Tons

**Radial Drilling Machine**

- **Model:** RDM 100/2500
- **Drilling range (Min/Max):** 750/2500 mm
- **Distance between base plate and spindle (Min / Max):** 235/1600mm
- **Dimensions (L x W X H):** 3630mm x 1580mm x 4000mm
- **Drilling Capacity:**
  - Steel having 6000 MPa tensile strength: 100mm
  - Cast iron having 180 BHN: 120mm

**Tapping Capacity:**
- **Number of spindle speed:** 12 nos.
- **Speed range:** 25 -1120 RPM
- **No. of feed:** 6 nos.

**Surface Grinding Machine**

- **Model:** M7130
- **Maximum grinding width:** 300 mm
- **Maximum grinding length:** 1000 mm
MAINTENANCE SERVICES

Assembly of Dredger Pump Bearing Block for Royal Boskalis Westminster N.V

On-site Cold Cutting Services - MEW Doha West Power Station

Chemical Cleaning of Boilers - MEW Power Stations
Generator Maintenance Works MEW Al-Zour Power Station

Gas Turbine Maintenance Works MEW Al-zour Power Station

Repair of Tube Type Heat Exchanger for KOC Project

Extraction Control Valve Project at MEW Sabiya Power Station

Maintenance of Cooling Water Pump at MEW Shuaiba South Power Station
Gear Box Maintenance

Maintenance of Blowdown pump at Shuaiba South Power Station

Special Machining of Turbine Casing for MEW Doha West Power Station Project

Demisters Maintenance Works at MEW Shuaiba South Power Station

Maintenance of Compressor

Bolt Tightening of Valves
MAINTENANCE FACILITIES

Valve Repair Facility

Machining Bay for Engine

Steam Turbine Components Rehabilitation for MEW Doha West Power Station

Turbine Repair Workshop
Heat Exchanger Rehabilitation Works

Valve Testing Facility

Wash Bay for Heat Exchanger Plates

Pre-fabrication of Pipes for Equate Piping Project
A Quick Glance On Our Major Maintenance Projects Executed and Under Execution:

For over the years, HEISCO’s Industrial Maintenance Operations executed large number of complex maintenance projects with various clients. Some of these projects are:

- Mechanical maintenance contracts with various MEW Power Stations.
- Boiler combustion system upgrade at MEW Al-Zour Power Station.
- Mechanical maintenance contracts with various MEW Power Stations.
- Boiler skin casing replacement project at MEW Sabiya Power Station.
- Extraction control valve project at MEW Sabiya Power Station.
- Chemical cleaning of boilers at all MEW Power Stations.
- Distiller tube refurbishments in MEW Sabiya Power Station.
- Major rehabilitation works of steam turbines at MEW Doha West Power Station.
- Major rehabilitation works of gas turbines at MEW Al-Zour Power Station.
- Tank maintenance contracts in KNPC Refineries.
- Operation and maintenance of sludge handling facility for KNPC refineries.
- Insulation, painting and fire proofing works at KNPC Refineries.
- Re-tubing of heat exchangers for KNPC Refineries.
- Manpower supply contracts in KNPC refineries.
- Enhancement of South Pier project for KNPC.
- Rehabilitation of shell and tube type heat exchangers for KOC.
- Rehabilitation/re-gasketting of plate heat exchangers for KOC.
- Maintenance services for production facilities in KOC.
- Maintenance support services for export facilities in KOC.
- Mechanical maintenance services for Joint Operations.
- Valve maintenance services for Joint Operations.
- Radiator repair services for Joint Operations.
- Replacement of MP stage heater and HP scrubber at PIC.
- Overhauling and preventive maintenance of valves at PIC.
- Reconditioning of plate heat exchangers for Equate.
- Alternate pressure safety valve project in Equate.
- Piping and equipment installation works for Equate.
- Mechanical & structural works in polyethylene debottle necking project.
- Maintenance of vapour recovery units at Sabhan and Ahmadi depots.
- Equate resident manpower supply services.
- Equate TA-2017 shutdown mechanical projects.
Health, Safety and Environment Milestones

Safety is our core value

Over the years, as a testament to its unwavering commitment to HSE, HEISCO’s Industrial Maintenance Operations received many HSE awards from prestigious clients in Kuwait and from HEISCO’s Internal Safety Department as well.

Some of the HSE awards conferred upon Industrial Maintenance Operations are:

- **FDH JV award**: Best contractor of the month for CFP MAB2 for the month of Feb. 2017.
- **KOC - CEO HSSE award 2016**
- **Petrofac Contractor safety forum 50,000,000 safe man-hours without LTI – 2016.**
- **KOC award**: third prize in HSE competition for West Kuwait Fields Best Contractors’ Site Office – 2015.
- **KOC award**: first prize in HSE competition for West Kuwait Fields Contractor’s Site Office – 2014.
- **GS E&C certificate of appreciation**: in recognition of outstanding contribution in achieving six million safe man-hours without LTI -2014.
- **KOC certificate of appreciation**: in recognition for achieving 5,430,000 safe man-hours without LTI – 2014.
- **Daelim certificate of appreciation**: for achieving 1million safe man-hours without LWC – 2014.
- **Samsung award**: for outstanding contribution for achieving 1 million injury free safe man-hours in KNPC MAA & MAB refineries.
- **JO award**: for outstanding EHS performance in 2013.
- **JO Certificate of Appreciation**: for 2 million Man-hours without day away from work – 2014.
- **JO EHS Performance Award – 2013.**
- **HSE Excellence Award: JO Wafra Mechanical Maintenance Project – 2013.**
- **HSE Excellence Award: JO Wafra Mechanical Maintenance Project – 2012.**
- **5S Excellence Award: Shuaiba South Power Station Project – 2012.**
- **5S Excellence Award: Industrial Maintenance Workshop – 2012.**
- **5S Excellence Award: JO Wafra Mechanical Maintenance Project – 2012.**
- **HSE Excellence Award: JO Wafra Mechanical Maintenance Project – 2011.**
- **HSE Excellence Award: Industrial Maintenance Workshop – 2011.**
- **HSE Excellence Award: Sludge Handling Project – 2011.**
- **5S Excellence Award: JO Wafra Mechanical Maintenance Project – 2011.**
- **5S Excellence Award: Shuaiba South Power Station Project – 2011.**
Performance Awards and Achievements

We are proud of our achievements:

Award is a mark of recognition given in honour of an achievement. HEISCO’s Industrial Maintenance Operations received prestigious awards and appreciations from notable clients in Kuwait. The Industrial Maintenance Operations operate in compliance with its organization’s quality management system and procedures. With its rigorous quality control program and steadfast commitment, the Industrial Maintenance Operation has become the pride of HEISCO by providing quality services delivered within time and budget as per the requirements of its customers.

Awards and appreciations:

• MEW Letter of Appreciation – Chemical Cleaning Boiler Project – 2013.
• MEW Letter of Appreciation – Chemical Cleaning Boiler Project – 2012.
• MEW Plaque of Appreciation – Shuaiba South Power Station Project – 2007.
SCAFFOLDING SERVICES

Work at any height fearlessly

We believe that safety is our biggest commitment. Our scaffolding protects our people and we provide the safest platform to stand on and work with both hands free, which eventually increases the output. In maintenance and repair, the scaffolding is important because there is no other way to reach different heights safely. Our Scaffolding Unit caters to the scaffolding requirements of a variety of projects and maintains a strong working relationship with our clients.

We achieved the trust and reliability of the customers through quality of our customer services and highly skilled professional operations focusing on safety and quality. Our scaffolding team consists of qualified scaffolders who are fully-trained in rapid and safe erection, and executes scaffolding works with the highest possible degree of safety.

Our scaffolding materials comply with international standards. We perform erection and installation and do dismantling upon completion of the job with safety and precautions. We issue all the required items of Personal Protective Equipment to our employees for carrying out their work safely.
The most important asset of HEISCO is our dedication to safety and quality in an industry characterized by assuming unnecessary risks when timely completion is a challenge and sacrificing quality for profit. Over the last few years, we have built a reputation with Government and Private Clients for high standards which can be jeopardized by the actions of any of us. Despite the pressures of tough and competitive markets and the instability in the regional and global economies, we need to emphasize our commitment and adherence to maintain this reputation.

Heavy Engineering Industries & Shipbuilding Co. K.S.C (Public) (HEISCO) has evolved from a shipbuilding and ship maintenance company to a major player in Oil & Gas construction, maintenance and fabrication with emphasis on pipelines, tanks and specialized vessels. Our shipyard continues to be a significant contributor to our business, with local and regional loyal customers. Each employee is personally responsible for continuing this momentum and the drive for achievement without losing sight of our values and our high standards, the pillars of our reputation.

Success is never easy, but always rewarding. Hand in hand, we persevere and reach our goals however high we set them.

Chief Executive Officer

Kuwait National Petroleum Co.
Abdullah Port Police Station
Fahaheel Express Way - 30
King Fahed Bin Abdul Aziz Road - 40

OUR LOCATION