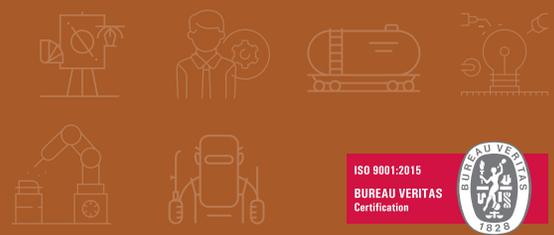


# FABRICATION OPERATIONS



# CEO's MESSAGE

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

**About Us** \_\_\_\_\_ **2**



**Fabrication Services** \_\_\_\_\_ **3**



**Facilities and Resources** \_\_\_\_\_ **4**



**Manpower (4)**



**Welding Training Centre (4)**



**Design & Engineering (5)**



**Plant & Machinery (6)**

Fabrication Facilities & Machinery (6-8)



Fabrication Bays (9)



Storage Area & Assembly Area (12)



Packing & Dispatch Area (13)



**Products** \_\_\_\_\_ **14-17**



**Logistics & HSE** \_\_\_\_\_ **18**



**Accreditations & Quality Standards** \_\_\_\_\_ **19**



**Galvanizing Plant**



**Clientele** \_\_\_\_\_ **20**



**Route map** \_\_\_\_\_ **21**





## About Us

Established in 1974, Heavy Engineering Industries & Shipbuilding Co. K.S.C.P. (HEISCO), formerly known as Kuwait Shipbuilding & Repairyard Co. (KSRC), ranks among Kuwait's foremost EPC contractors. Since broadening its operations in 1982, HEISCO has continually extended its footprint across vital industrial sectors, including oil and gas, refineries, petrochemicals, power generation, water treatment, dredging, and maritime construction. In 2004, HEISCO launched a state-of-the-art Fabrication and Manufacturing Plant to address rising demands for industrial solutions.

Listed on the Premier Market of the Kuwait Stock Exchange, HEISCO proudly celebrated 50 years of innovation, excellence, and sustained growth in 2024—a testament to our enduring legacy and future-focused vision.

We are accredited to the ISO 9001, ISO 45001, and ISO 14001 standards, and we possess international certifications, including ASME (U, U2, S, PP), National Board (R Stamp), as well as ISO/IEC 17025 for our calibration laboratory by the American Association for Laboratory Accreditation (A2LA). HEISCO is classified as a Category 1 contractor by Kuwait's Central Agency for Public Tenders (CAPT) for Mechanical, Civil, and Electrical works.

HEISCO holds approvals across multiple categories from Kuwait Petroleum Corporation (KPC) and its subsidiaries, such as Kuwait Oil Company (KOC) and Kuwait National Petroleum Company (KNPC). It is also accredited by leading regional entities, including Saudi Aramco, Saudi Electricity Company (SEC), SABIC, NEOM, Red Sea Global, National Water Company (NWC), MAADEN, SASREF, QatarEnergy, and BAPCO.

### HEISCO's wide-ranging fields of activity :

- Shipyard Operations
- Oil & Gas Construction
- Industrial Maintenance
- Process equipment manufacturing & Fabrication Services
- Trading
- Testing & Calibration
- Quality Control & Testing
- Scaffolding Services
- Galvanizing Services
- Onshore & Offshore Operations
- Technical Specialized Manpower Supply
- Design and Engineering Services

### Our Subsidiaries:

- Gulf Dredging & General Contracting Co. K.S.C. (Closed), Kuwait.
- HEISCO for Technical Specialized Manpower Supply Co. W.L.L, Kuwait.
- HEISCO Engineering India Pvt. Ltd., India.

### Our Branches:

- Heavy Engineering Industries & Shipbuilding Co., Saudi Arabia.
- Heavy Engineering Industries & Shipbuilding Co. K.S.C.P, Iraq (Representation Office).



## Fabrication Services

Our fabrication facilities are situated in the strategic locations in Kuwait. Our Shuaiba Fabrication Facility which covers 60,000 square metres is close to the refineries, petrochemical and fertilizer plants in Shuaiba Industrial area. Our Shuwaikh Fabrication Facility covering 20,000 square metres is close to the Shuwaikh port. Today with advanced fabrication technology, the company has become the solution for all your fabrication requirements.

### Major highlights:

- The only Kuwaiti Company approved as the manufacturer of indirect type Oil-fired Heaters.
- The only Kuwaiti company to possess KPC (KOC, KNPC, etc) approval for EPC of Storage Tank exceeding a capacity of 500,000 bbls.
- Independent In-house NDE and Material Testing Facility.

### Variety of equipment and facilities:

The Shuaiba Facility has 20 overhead cranes in various capacities. The heavy pressure vessels manufacturing facility has two bays; each of 240m length, 24m width, and 10.5m height. It is equipped with four cranes with a capacity of 50 tons each. The facility includes a highly sophisticated CNC controlled rolling machine, oil-fired furnace, NDE & hydro test facility, automatic grit blasting chamber, facilities for painting, final assembly, and Inspection. It also has dedicated bays for stainless steel, lightweight carbon steel vessels, and structural & piping fabrication.

Our piping shop at Shuwaikh Facility is equipped with most modern equipment such as 5-axis CNC machine, multifunctional fit-up-station, and fully automatic welding station. It is capable of producing 750,000 inch dia. joints annually.

### Products

The company offers an array of products such as specialized pressure vessels, columns & towers, power boilers, desalters, process equipment, shell & tube heat exchangers, scraper traps/ pig launchers & receivers, reactors, pre-fabricated pipe spools, industrial modular structures & skids, shop-fabricated tanks and oil & gas separators.

**We Value Safety and Quality**





## Facilities and Resources

### Manpower:

HEISCO has highly skilled and trained technicians, engineers, project management staff and highly skilled workforce. The company has qualified welders for the variety of welding materials such as Clad materials, Ni Alloys, Duplex Stainless Steel and Cu-Ni.

### Welding Training Centre

HEISCO is one of the very few fabrication shops to possess a welding training centre in the region. The highly trained and qualified instructors train our people the safe welding practices. They give training on various welding methods and techniques with respect to the given material, its thicknesses, welding process and welding positions.

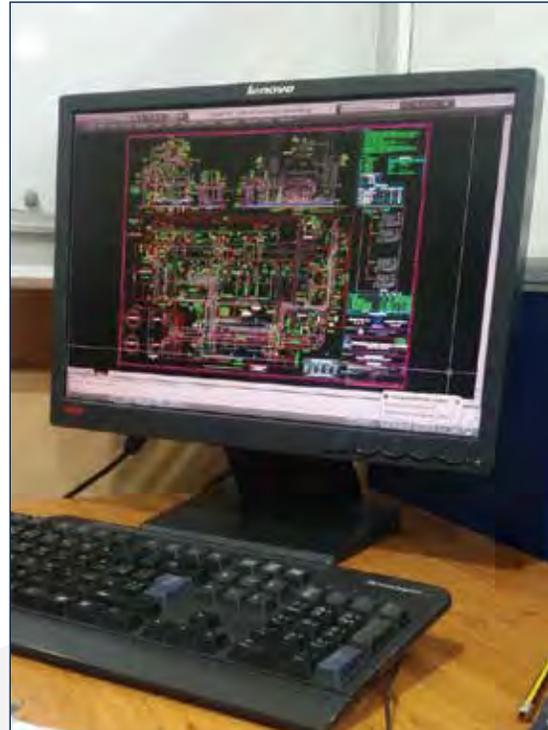
HEISCO has several welding booths to provide training to all welders and pre-qualify them by the third party and/or clients to minimize welding rework, repairs, optimize the fabrication cycle time and eliminate unwarranted delays in delivery.





## Design & Engineering

HEISCO's in-house engineering team, comprising qualified engineers and CAD specialists, delivers self-reliant design and engineering solutions using advanced software such as BRICSCAD, GStarCAD, Gstar, Tekla Structures, LANTEK, Cut Logic 1D, and Peddinghaus for drafting; Compress, PV Elite, CodeCalc, Nozzle Pro, and AME Tank for vessel and process equipment design; and CADWorx, Caesar II, Iso-Builder, Pipe Cut, PipeLabelPrinter, Spool Finder, Joint Check, and RAMP for piping fabrication support-ensuring precision, efficiency, and quality across all fabrication activities.



### CONSTRUCTION CODES

ASME Sec 1	Power Boilers
ASME B 31.1	Process / Pressure Piping
ASME B 31.3	Process Piping
ASME B 31.4	Pipeline Transportation Systems - Liquid Hydrocarbon
ASME B 31.8	Gas Transmission & Distribution Piping System
ASME Sec VIII Div. 1 & 2	Pressure vessels
API – 1104	Welding of Pipelines and Related Facilities
API 650	Welded Steel Tanks for Oil Storage
AWS D1.1	Structural Steel – Welding Code
ANSI/ NB-23	National Board Inspection Code

Product	Mechanical Design Code	Design Software	Detailing Software
Pressurized Tanks	1. API 650 / 2. API 620 / 3. UL 142	1. TANK/E-TANK / 2. E-TANK /3. E-TANK	1. AUTOCAD
Atmospheric Tanks	1. AISC	1. Staad Pro	1. Strucad 2. AUTOCAD 3. Tekla Structures
Pressure Vessels	ASME Section VIII Div 1 & Div 2	1. PVEllite 2. COMPRESS	1. AUTOCAD
Heat Exchangers	ASME Section VIII Div 1 & TEMA	1. PVEllite	1. AUTOCAD
Steel Structure	1. AISC 2. BS 5950	1. Staad Pro	1. Strucad 2. AUTOCAD 3. Tekla Structures



## Plant & Machinery

HEISCO has a wide range of supporting facilities for fabrication services. Post weld heat treatment furnace, radiography bunkers, areas exclusively for painting, assembly and testing, lathe workshops, etc. add value to our fabrication services. Equipped with advanced machinery, such as CNC plate cutting machines, plate rolling machines, pipe & profile bending machines, CNC pipe profile cutting machines and automatic weld overlay facilities, HEISCO is consistent in producing quality products with international standards.

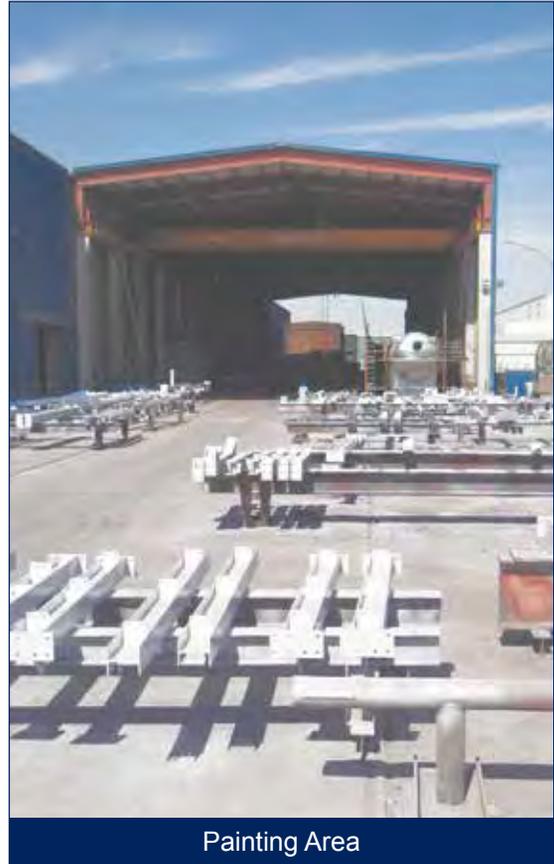
### Fabrication Facilities & Machinery



Post Weld Heat Treatment Furnace



Machine shop



Painting Area



Stores



## Fabrication Facilities & Machinery



Rolling Machine



Hydraulic Press



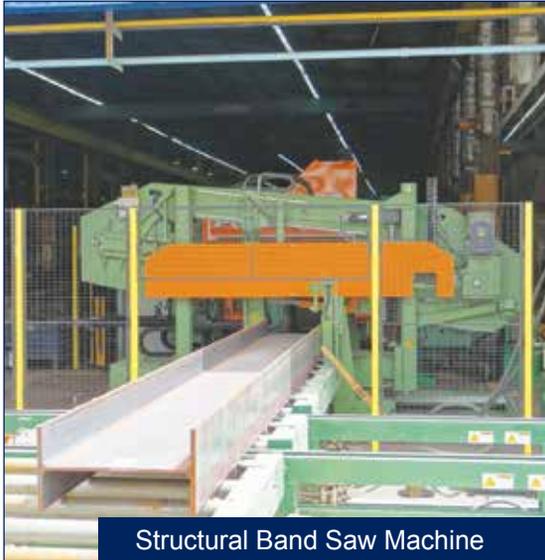
Auto Welding Machine



CNC Plate Cutting Machine



## Fabrication Facilities & Machinery



Structural Band Saw Machine



CNC Beam Drill Line Machine



CNC Plate Processing Machine



## Fabrication Bays





HEISCO  
شركة الصناعات الهندسية  
HEISCO S.A.S. Beirut

NETCO



صنعتنا بنجاح في الكويت  
PROUDLY  
MANUFACTURED IN KUWAIT  
MUSCO  
شركة الخدمات الهندسية المتخصصة في مجال  
PORT SERVICES, MAINTENANCE & INSPECTION U.S.A. Inc.

مستودع في الكويت  
MUSCO  
شركة الخدمات الهندسية المتخصصة في مجال  
PORT SERVICES, MAINTENANCE & INSPECTION U.S.A. Inc.



## Storage Area



## Assembly Area





## Packing & Dispatch Area





## Products

HEISCO manufactures its products according to the ASME standards. It procures materials in compliance with Technical Delivery Condition (TDC) of each project and ASME Code material specification requirements. After a sequence of manufacturing processes, we perform NDE/NDT activities and internal and/or external coating as per clients' requirements. Finally, we prepare the equipment for dispatch as per the contract.

### Pressure vessels



HEISCO designs, manufactures and supplies pressure vessels as per ASME standards. The applied ASME sections for reactors, separators, desalters, columns & towers, absorbers, scrubbers are ASME Section VIII Div 1 and ASME Section VIII Div 2 applying ASME "U" and "U2" stamps.

It developed different welding processes and procedure qualifications for different materials like carbon steel–NACE/HIC, carbon steel, clad SS, clad Inconel, low-temperature carbon steel, low alloy steel and stainless steel.

### Modules & Skids



We design, fabricate and supply process plant equipment modules and skids for the oil and gas, petrochemical, power, water and wastewater industries. The modules and skids are custom made based on the site location, equipment weight and applicable building codes. They are shop-fabricated and shop-fit as modules prior to installation at the job site.

The specialized fabrication work for modules and skids consists of testing & pre-commissioning in Mechanical, Electrical and Instrumentation.

### Pressure and Process Piping



HEISCO has dedicated facilities for fabrication of large pre-fabricated pipe spools for mega projects. We possess tracking system for fabrication, NDT, painting, quality control, release and dispatch.

The software associated with CNC plate cutting machine enables us to handle AutoCAD drawings for fabrication of large diameter pipes and mitres from plates, and the dedicated rolling machine for fabrication of pipe spools and mitres.

Our barcoding system improved the segregation and identification of spools from the materials received to the final dispatch and installation at project sites. We fabricate pipe spools in stainless steel 304, 304L, 316, 316L, duplex stainless steels, duplex/super duplex/lean cupro-nickel, titanium, Incoloy, Inconel, 6 Mo Steels, Monel. We also fabricate pipe spools in carbon steel, low alloy steels and low-temperature carbon steel.



## Storage Tanks



HEISCO is the only Kuwaiti company approved by KPC - CPQ for EPC of storage tank exceeding a capacity of 500,000 bbls. It has a remarkable capacity to pre-fabricate field-erected tanks and manufacture shop fabricated storage tanks. We design and supply pressurized storage vessels, atmospheric storage tanks and LPG bullets for the main sectors in oil & gas, petrochemicals & fertilizer, water & wastewater industries.

## Separators



Separators separate production fluid into their oil, gas and water components. HEISCO offers all critical equipment and systems for oil and gas industry. It manufactures and supplies client specific oil and gas separators featuring acceleration of basic and complex separation process.

## Desalters



Desalter, as the name implies, is a vessel that removes salt dissolved in the water from the crude oil. The desalting is usually the first process in crude oil refining.

HEISCO is one of the prominent companies that design, manufacture, supply and install desalters in the oil and gas field in Kuwait.

## Scraper Traps/Pig Launchers & Receivers



As a leader in Scraper Trap technology and fabrication, we can supply scraper traps, also known as launcher and receiver traps, to any degree of packaging and fabrication required. Scraper traps are typically located at compressor stations and terminal points of the pipeline.



## Heaters



Being the only approved Kuwaiti company as the manufacturer of indirect type Oil-fired Heaters, HEISCO adapts its extensive experience in design, engineering, manufacturing and installation of a wide variety of heating equipment in different sizes and dimensions to meet customers' specific requirements in oil, gas, petrochemicals, refining and power generation industries.

## Shell & Tube Type Heat Exchangers



HEISCO continues to be at the forefront of the industry in design, fabrication, and supply of Shell & Tube Heat Exchangers to ASME and TEMA requirements. They are widely used as a means to transfer thermal energy from one medium to another, for example, transfer of heat between a solid object and a fluid, or between two or more fluids. The fluids may be separated by usually a solid wall to prevent mixing. Two fluids enter the exchanger, each at a different temperature and pressure through either the shell (around the tubes) or in the tubes. We specialize in engineered systems for oil & gas, petrochemical, refining and power sectors.

Our welding engineering staff review and establish the metallurgical requirements related to bi-metal welding, weld overlay and other mechanical specifications in order to ensure long exchanger performance.

## Reactors



HEISCO offers design, fabrication and supply of heavy walled reactors for oil & gas and petrochemical applications in all kinds of materials. Our workshop is capable of manufacturing reactors with a capacity up to 250-300 Tons per month.

## Column & Towers



Columns are used to separate a liquid or vapour mixture into component fractions of desired purity by adding or removing heat. Our Process Equipment team designs, engineers and manufactures columns & towers for applications in the field of oil, gas and petrochemicals. Our most modern plate rolling machine facilitates the manufacture of large diameter pressure vessels, absorber columns, towers, process equipment, etc.



We fabricate the units as per the client's specification in carbon steel, stainless steel, or other alloy steels, either solid or clad type in accordance with the ASME Code, Section VIII, Division I and with the stamp of the National Board of Boiler and Pressure Vessel Inspectors.

### Slug Catchers



Slug Catchers are devices designed to collect or catch slugs at the outlet of pipelines. It is located between the outlet of the pipeline and the processing equipment. Slug Catchers may be a vessel or constructed pipes. HEISCO provides our customers with superior quality equipment fabricated in accordance with international standards.

### Power Boilers



HEISCO provides the highest quality boilers to the industry. It holds the ASME code stamps "S" for manufacture and assembly of power boilers and the National Board Inspection Code "R" stamp for the repair and alteration of boilers.

### Piping Fabrication



Our pipe fabrication facility has the capacity up to 750,000 inch dia. per annum. We save time by using integration of automated measuring, cutting, beveling, material handling, fitting-up and welding. Our systematic designing concept, effective and convenient Data Control System (DCS), automatic root pass (RMD-MIG, TIG), automatic filling and capping pass (SAW, Pulse/RMD-MIG, TIG) all add value to HEISCO's piping fabrication. We reduce repairing rate by 99.5% of defective-free-joints.

### Structural Steel Fabrication



HEISCO offers high-quality industrial fabrication, focusing on oil and gas, petrochemicals, power and water desalination sectors. We have successfully completed a wide range of high-quality structural steel projects. HEISCO has the state-of-the-art facility and detailing facilities and has a production capacity of 6,000 Tons per annum. We have certified welders and experienced erectors to perform the jobs with precision.



## Logistics



HEISCO's fabrication facilities are situated in strategic locations. Our main operations of fabrication services is located close to the refineries, petrochemical and fertilizer plants in Shuaiba Industrial area and it enables us for easy transportation of shop fabricated heavy equipment and products to the industries. Our extended Fabrication Facility is also situated in the best location, close to the Shuwaikh sea-port.

We take care of intermodal freight transport which improves security and reduces damage of over-dimensional consignments. With remote controlled Nicolas Hydraulic Trailers it guarantees the best possible maneuverability even on uneven ground conditions.

## HSE

Health, Safety & Environment is a core value of HEISCO. A safe work environment produces happier employees. Properly managed safety programs show commitment to safety by creating a great safety culture where everyone wants to be safe.



HEISCO is certified to ISO 45001:2018 for its occupational health and safety management system and ISO 14001:2015 for its environmental management system standards. We are committed to employee safety and protection of our environment. We identify and minimize the risk of injury to ensure the health and safety of our employees as well as those who present at our facility and worksite. Environment protection will also be the responsibility of every employee, subcontractor and visitor. HEISCO's HSE policy is developed to the point that HSE is everyone's responsibility and it should be encouraged as a culture in all levels of employees.





## Accreditations & Quality Standards

HEISCO is accredited to ISO 9001:2015 standards. Our workshops are certified by the American Society of Mechanical Engineers (ASME) and the National Board of Boiler and Pressure Vessel Inspectors.

Our fabrication facilities have been authorized to use ASME Certification Mark with the 'U' and 'U2' designators for manufacture of pressure vessels; 'S' for manufacture and assembly of Power Boilers; 'PP' for fabrication and assembly pressure piping; HEISCO is authorized to put the U, U2, S, PP and NB R stamps to its products.

## Galvanizing Plant



HEISCO operates a state-of-the-art, environmentally friendly hot-dip galvanization plant located in the Shuaiba Industrial Area. Designed for high efficiency and low emissions, the fully automated facility caters to a wide range of industries, including oil & gas, petrochemicals, infrastructure, electrical, power, and water sectors.

Equipped with modern machinery and a remote-controlled dipping system, the plant ensures consistent, durable zinc coatings that provide superior corrosion protection. HEISCO's galvanizing operations reflect our unwavering commitment to quality, scale, and environmental responsibility.





## Clientele

Our Valued Clients – Fabrication & Equipment Manufacturing:

### Main Clients/ Owners

KOC   KNPC   MEW   EQUATE   PIC   KPPC
JO   KJO   KGOC
ADCO   QATAR ENERGY   BUREN ENERGY.

### EPC Contractors

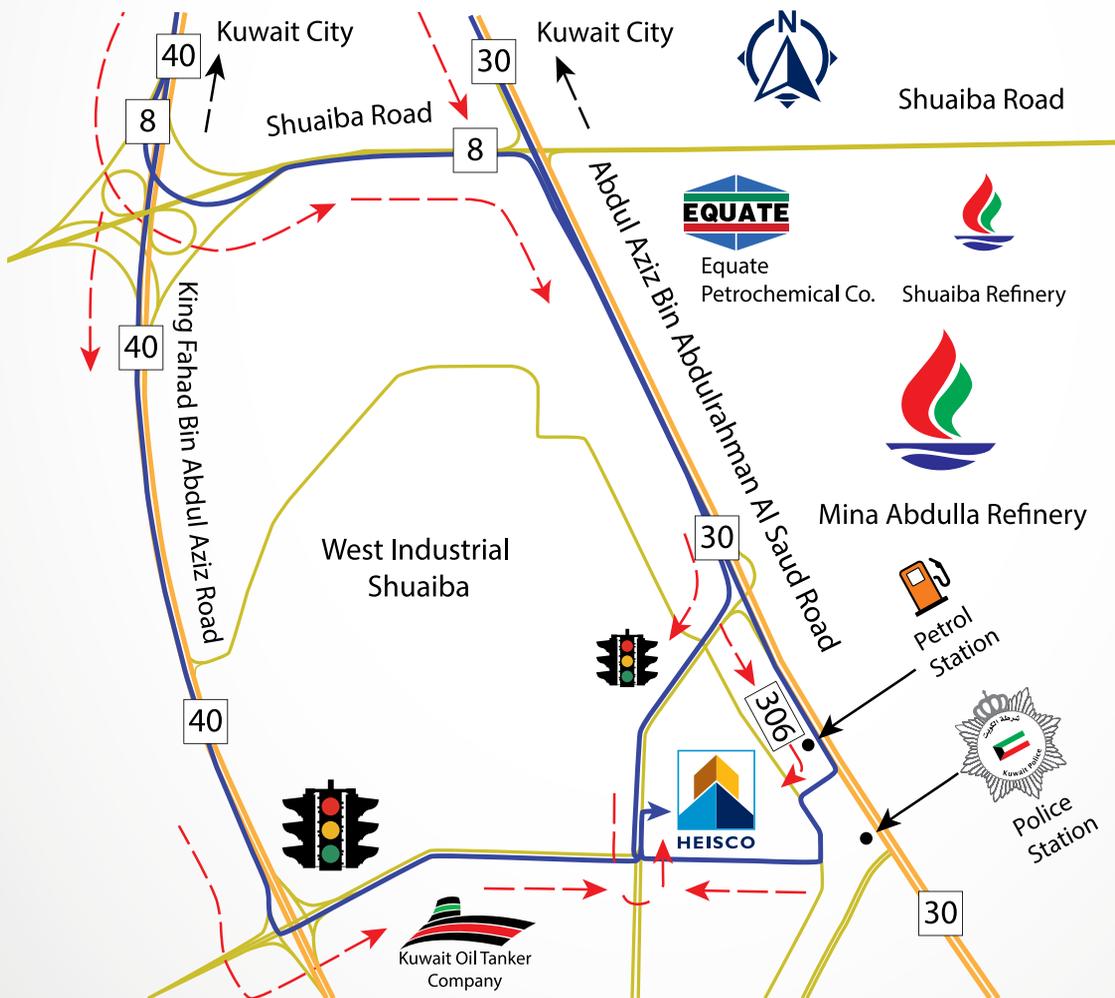
ABB   AIMS   DAELIM   DRAGADOS
EXCELERATE ENERGY   FLUOR   GS ENGG.
HYUNDAI E&C   IHI   JGC   L&T   MHI
MHPS   PETROFAC   SAIPEM   SK E&C   SPETCO
SNC LAVALIN   TECHNIP   TR   TECNIMONT
TSH JV.

### Technology/Package Equipment Providers

AKER PROCESS SYSTEMS FRANCE
5BLUE PROCESS EQUIPMENT   CBI HOWE BAKER
DOLLINGER FILTRATION   FJORDS (NOV)
FLARE INDUSTRIES
FRAMES SEPARATION TECHNOLOGIES
HYDROTEK   JORDAN TECHNOLOGIES
LIMAK INSAAT   PLENTY PROCESS FILTRATION
SPX DOLLINGER   TAKRAF   TECHNOMAK
TEMSAN   THERMO DESIGN
TWIN FILTERS   ZEECO.



# OUR LOCATION





Rev.4 - Feb 2026

Tel : +965 23253000  
Fax : +965 23262142

P.O. Box: 21998, Safat  
13080, Kuwait

Website : [www.heisco.com](http://www.heisco.com)  
Email : [heisco@heisco.com](mailto:heisco@heisco.com)