

# INDUSTRIAL MAINTENANCE OPERATIONS



ISO 9001:2015  
BUREAU VERITAS  
Certification



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# CEO's MESSAGE

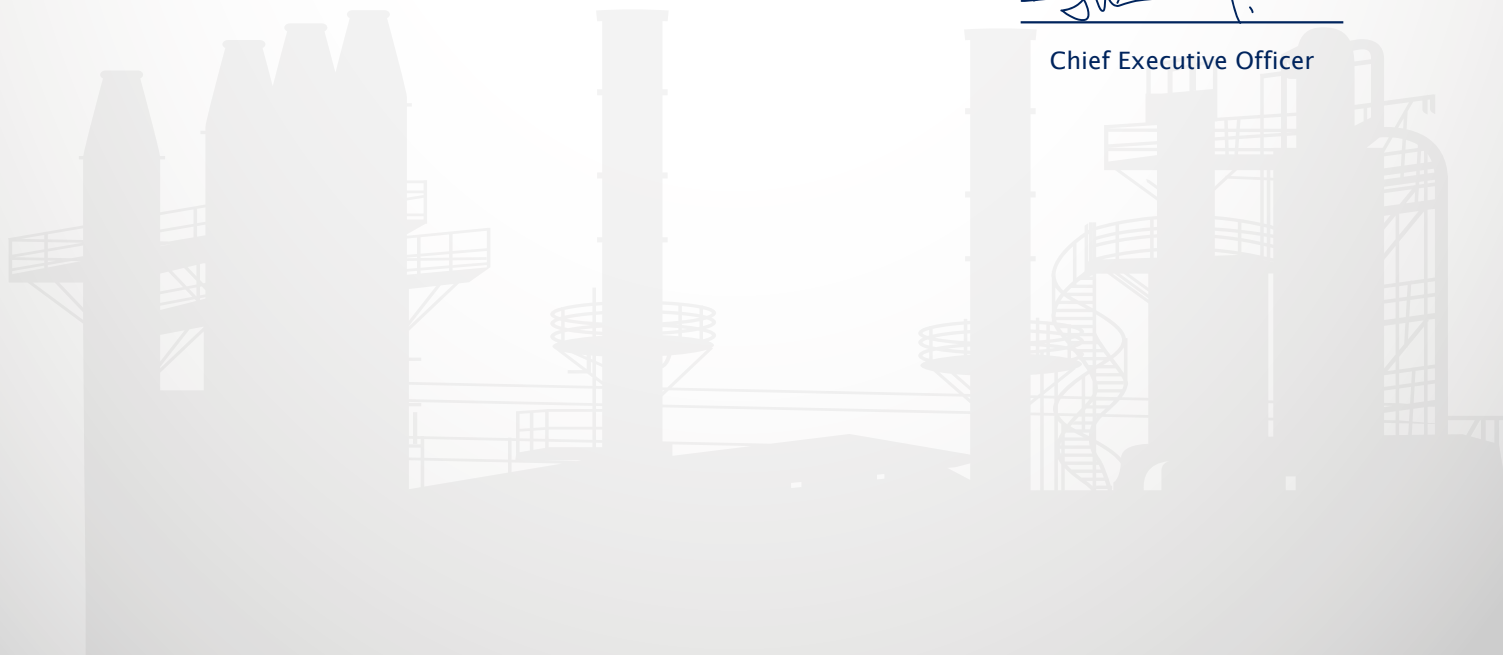
The most important asset of HEISCO is our dedication to safety and quality in an industry characterized by assuming unnecessary risks when timely completion is a challenge and sacrificing quality for profit. Over the last few years, we have built a reputation with Government and Private Clients for high 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



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INDUSTRIAL  
MAINTENANCE  
OPERATIONS

## About Us

Heavy Engineering Industries & Shipbuilding Co. K.S.C.P (HEISCO), formerly known as Kuwait Shipbuilding & Repair-yard Co. (KSRC), is a leading Engineering, Procurement, and Construction (EPC) contracting company in Kuwait.

Established in 1974 as a shipbuilding and repair company, HEISCO expanded its operations in 1982 into key industrial sectors, including oil and gas, refineries, petrochemicals, power generation, water distillation and desalination, dredging, and maritime construction. In 2024, HEISCO proudly marked its 50th anniversary celebrating five decades of excellence, innovation, and sustained growth.

HEISCO is a Kuwaiti shareholding company listed on the Premier Market of the Kuwait Stock Exchange, recognized for its high liquidity and strong market capitalization supported by consistent performance and trading activity.

Our core services include civil, mechanical, electrical and instrumentation constructions, industrial maintenance, fabrication and process equipment manufacturing, galvanizing, quality control, calibration and testing, scaffolding services, shipyard services and onshore & offshore operations.

Reflecting our commitment to quality and safety, HEISCO is certified to ISO 9001:2015 (Quality Management), ISO 45001:2018 (Occupational Health & Safety), and ISO

14001:2015 (Environmental Management).

We are a Category 1 contractor approved by the Central Agency for Public Tenders (CAPT) for civil, mechanical, and electrical works, and hold ASME and National Board certifications (U, U2, S, PP, and NB R stamps). Our Calibration Laboratory is accredited to the international standard ISO/IEC 17025 by the American Association for Laboratory Accreditation (A2LA), ensuring the highest level of technical competence and quality assurance.

Our regional presence includes a Saudi branch in Al Khobar and the strategic acquisition of Gulf Sky Factory (GSF), enhancing our fabrication capacity in the Kingdom. HEISCO also has a presence in Iraq and our subsidiary Gulf Dredging operates a branch there.

Our Subsidiary company, HEISCO for technical specialized Manpower Supply Co., provides complete solution of manpower requirements. To strengthen our design and engineering capabilities, we established HEISCO Engineering India Pvt. Ltd., a fully owned subsidiary based in Chennai, India.

HEISCO is approved by Kuwait Petroleum Corporation (KPC) and its subsidiaries, and leading regional entities such as Saudi Aramco, Saudi Electricity Company (SEC), SABIC, NEOM, Red Sea Global, National Water Co. (NWC), MAADEN, SASREF, QatarEnergy, and BAPCO.





# INDUSTRIAL MAINTENANCE OPERATIONS

HEISCO is widely recognized as one of Kuwait's most reliable maintenance contracting companies, serving the Oil & Gas, Refinery, Petrochemical, and Power & Water sectors. We specialize in Mechanical, Electrical, and Instrumentation Maintenance Services, delivering value-added solutions to our esteemed clients, including MEW, KOC, KNPC, KGOC, PIC, EQUATE, and JO.

With a strong commitment to quality, safety, and cost-effectiveness, we offer technical support and tailored maintenance solutions that meet the highest industry standards. Backed by extensive experience and proven expertise, our maintenance team excels in delivering comprehensive industrial services. Our capabilities include the maintenance of upstream oilfield facilities, insulation and cladding works, sludge treatment, and more.



### 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-shutdowns 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.



REHABILITATION WORKSHOP (BAY-1)



CONVENTIONAL MACHINE SHOP (BAY-2)

### Our Skilled Manpower:

The excellence of our services reflects the expertise and dedication of our people. HEISCO's Industrial Maintenance Operations is backed by a team of highly qualified engineers, skilled maintenance technicians, and experienced project management professionals. Our workforce brings extensive hands-on experience in a wide range of industrial maintenance activities. Among our specialized personnel are turbine technicians, mechanics, machinists, welders, machine operators, re-tubing technicians, and hydro-blasters—all committed to delivering reliable, high-quality service in every project we undertake.

### Our Advanced Machinery & Equipment:

Our in-house maintenance workshop is a state-of-the-art facility, fully equipped with a wide range of advanced machinery to support precision industrial services. Key equipment includes CNC horizontal lathes for turbine rotors, vertical turning lathes, dynamic balancing machines, CNC floor-type and horizontal boring machines, precision surface grinding machines, crankshaft grinders, and heavy-duty radial drilling machines. We also maintain valve test bench machines, mechanical seal lapping machines, and a comprehensive selection of welding equipment. In addition to these, the workshop is supported by various other specialized machines and tools, enabling us to handle a broad spectrum of industrial maintenance and repair operations with efficiency and accuracy.



## Machinery and Specification



**CNC Horizontal Lathe Machine  
For Turbine Rotors**

#### Specification:

Make	GEMINIS
Machine Center Height	2,010 MM
Swing Over Bed	4,000 MM
Swing Over Cross Slide	3,300 MM
Distance- Between Center	8,000 MM
Load carrying capacity	60 Tons
Speed Range	0 to 300 RPM
Main Motor power	115 KW
CNC Controller	FANUC OI
Hydrostatic steady rest	40 Tons Motorized
4 Jaws Independent chuck	2,000 MM



**Dynamic Balancing Machine**

#### Specification:

Make	SCHENCK
Maximum Rotor Weight	60 Ton
Maximum Rotor Diameter	3600 MM
Bearing Pedestal Steady Rest	25 Tons
Roller Bearing Inserts	70 to 600 MM
Machine Bed	9000 MM
Balancing Speed	Up to 860 RPM
Universal End Drive Power	55 KW
Belt End Drive	55 KW
Balancing Speed for Belt Drive	55 to 2500 RPM
Software Measuring Range	100 to 5000 RPM
Software Specification	Rotor Specific



**Horizontal Lathe****Specification:**

Make	FUJII-SEIKI
Max. Dia.	2000 MM
Max. Length	6000 MM
Max Speed	135 RPM
Spindle Power	22kW
Load Bearing	40 Tons

**CNC Vertical Turning Lathe Machine****Specification:**

- 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

**Radial Drilling Machine****Specification:**

- 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.

**CNC Floor Boring Machine****Specification:**

- 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

**Surface Grinding Machine****Specification:**

- 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  
Az-Zour Power Station**



**Gas Turbine Maintenance Works - MEW  
Az-Zour Power Station**



**Repair of Tube Type Heat Exchanger for KOC Project**



**Extraction Control Valve Project -  
MEW Sabiya Power Station**



**Maintenance of Cooling Water  
Pump - MEW Shuaiba  
South Power Station**





**Gear Box Maintenance**



**Demisters Maintenance Works -  
MEW Shuaiba South Power Station**



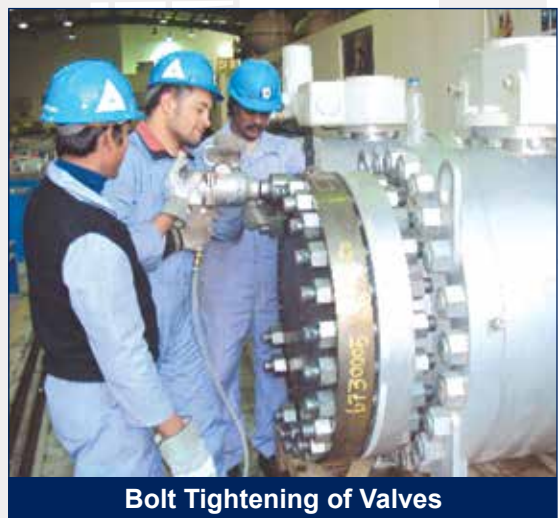
**Maintenance of Blowdown pump -  
Shuaiba South Power Station**



**Maintenance of Compressor**



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



**Bolt Tightening of Valves**

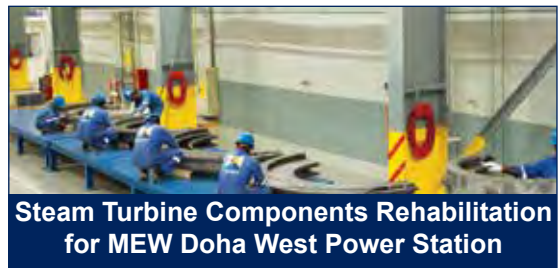
## MAINTENANCE FACILITIES



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:

- Rehabilitation & upgrade of steam boilers and control system for thermal units and general auxiliaries at Doha West Power and Water Distillation Station in consortium with IHI for MEW.
- Annual Maintenance of the mechanical equipment at Shuaiba South and Az-Zour Power Stations for MEW.



- Repair of boilers and auxiliaries at Doha East Power and Water Distillation Station for MEW.
- Repair and rehabilitation of steam turbines at Doha East Power and Water Distillation Station for MEW.
- Procurement, construction, commissioning, and maintenance for the upgrade of fuel supply infrastructure in Sabiya and Doha West Power Station for MEW.
- Rehabilitation of steam turbines and generators at Doha West Power and Water Distillation Station in consortium with MHI for MEW.
- Rehabilitation of steam turbines and generators at Sabiya Power and Water Distillation Station in consortium with MPL for MEW.
- Boiler rehabilitation and replacement of control system at Az-Zour South Power and Water Distillation Station in consortium with MPL for MEW.
- Provision of repair and revamping services for production facilities in North Kuwait area for KOC.
- Operations and maintenance of bulk chemical facilities in South & East Kuwait areas for KOC.
- Workshop support services for KOC.
- Maintenance support service for Export Facilities for KOC.
- Maintenance services for production facilities for South and East Kuwait areas for KOC.
- Mechanical maintenance services at Mina Abdullah Refinery for KNPC.
- Retubing of heat exchangers during major shutdowns at Mina Al-Ahmadi Refinery for KNPC.
- Decoking of various heaters by Pigging Method at KNPC Refineries for KNPC.
- Replacement of RMP and FUP demineralized water units at Mina Al-Ahmadi Refinery for KNPC.
- Engineering, procurement, construction, testing, and commissioning of replacement of burners with Low-NOx type in-process heaters at Mina Al-Ahmadi Refinery for KNPC.
- Installation of a new steam turbine-driven air compressor for KNPC.
- Subsea pipeline replacement for JO.
- Mechanical maintenance services for JO.
- Professional manpower supply services for KJO.
- Turnaround-2026 at EG2, EU2 Flare, UT2 and Aromatics for Equate.
- Resident scaffolding services for Equate.
- Resident mechanical construction maintenance services for Equate.
- Sea Cooling Tower SCT1 and 2 Stage 5 and 6 maintenance services for Equate.

## Health, Safety and Environment Milestones

Health Safety & Environment (HSE) is a core value of HEISCO. Our HSE policy is established based on the belief that HSE is everyone's responsibility, and it should be inculcated as a culture in all levels of employees. Our HSE management is certified to ISO 45001:2018 for Occupational Health & Safety Management and ISO 14001:2015 for Environmental Management.

We strictly adhere to local HSE rules and regulations in all our activities. Our commitment to the health and safety of people and the environment is reflected in our current incident rates, which exceed international standards and demonstrate our excellence in HSE performance.

HEISCO is proud to have skilled HSE professionals and the necessary safety equipment and gear for safe project execution. We are honored to have won several recent HSE awards, such as of the operations undertaken. Some of HSE awards conferred on HEISCO are:

- ASSP GCC - HSE Excellence - Platinum Award – 2024
- ASSP GCC - HSE Excellence - Gold Award – 2024
- KOC CEO - HSSE Award - 2023
- ASSP GCC - HSE Excellence - Gold Award - 2023
- KOC - Environmental Award from KOC West Kuwait Directorate – 2023
- ASSP GCC HSE Excellence - Gold Award – 2022
- KIPIC CEO HSSE Award – 2021
- FDH JV - Certificate of Recognition for completing 10 million manhours without an LTI - 2021
- FDH JV - Best Practice of the Month Awards - 2021
- KNPC - Certificate of appreciation for the efforts on HSE Contractors' Day – 2020
- EQUATE GPCA - Appreciation Award 2024



## Performance Awards and Achievements

### “Recognition that Reflects Our Commitment”

At HEISCO, we take great pride in the recognition earned through our unwavering commitment to excellence. Awards are a testament to outstanding performance, and HEISCO's Industrial Maintenance Operations has been honored with prestigious commendations and expressions of appreciation from several esteemed clients across Kuwait.

Operating in full compliance with the company's quality management system and procedures, our Industrial Maintenance division is guided by a rigorous quality control program and a firm dedication to client satisfaction. This steadfast commitment has made the division a cornerstone of HEISCO's reputation- delivering high-quality services on time and within budget.

### Recent awards and appreciations include:

- KNPC Certificate of Appreciation – For Demolition & Inkind Replacement of Damaged LSFO Storage Tank TK-22-760 at Mina Al Ahmadi Refinery – 2025
- KNPC Certificate of Appreciation – For Shuaiba Oil Pier Repair and Strengthening Works – 2024
- KNPC Certificate of Appreciation – For Rehabilitation of Wave Deflector Sea Wall at Shuaiba Oil Pier – 2023
- EQUATE Certificate of Appreciation – For Mechanical Manpower Supply Services – 2022
- MEW Certificate of Appreciation – For Six Million Safe Man-Hours without LTI during the project: Procurement, Construction, Commissioning and Maintenance for the Upgrade of Fuel Supply Infrastructure in Doha West Power and Water Distillation Station – 2021
- MEW Certificate of Appreciation – For Two Million Safe Man-Hours without LTI during the project: Procurement, Construction, Commissioning and Maintenance for the Upgrade of Fuel Supply Infrastructure in Sabiya Power and Water Distillation Station – 2021
- MEW Certificate of Appreciation – For Three Million Safe Man-Hours without LTI during the project: Procurement, Construction, Commissioning and Maintenance for the Upgrade of Fuel Supply Infrastructure in Doha West Power and Water Distillation Station – 2020
- MEW Certificate of Appreciation – For One Million Safe Man-Hours without LTI during the project: Procurement, Construction, Commissioning and Maintenance for the Upgrade of Fuel Supply Infrastructure in Sabiya Power and Water Distillation Station – 2020





## 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.

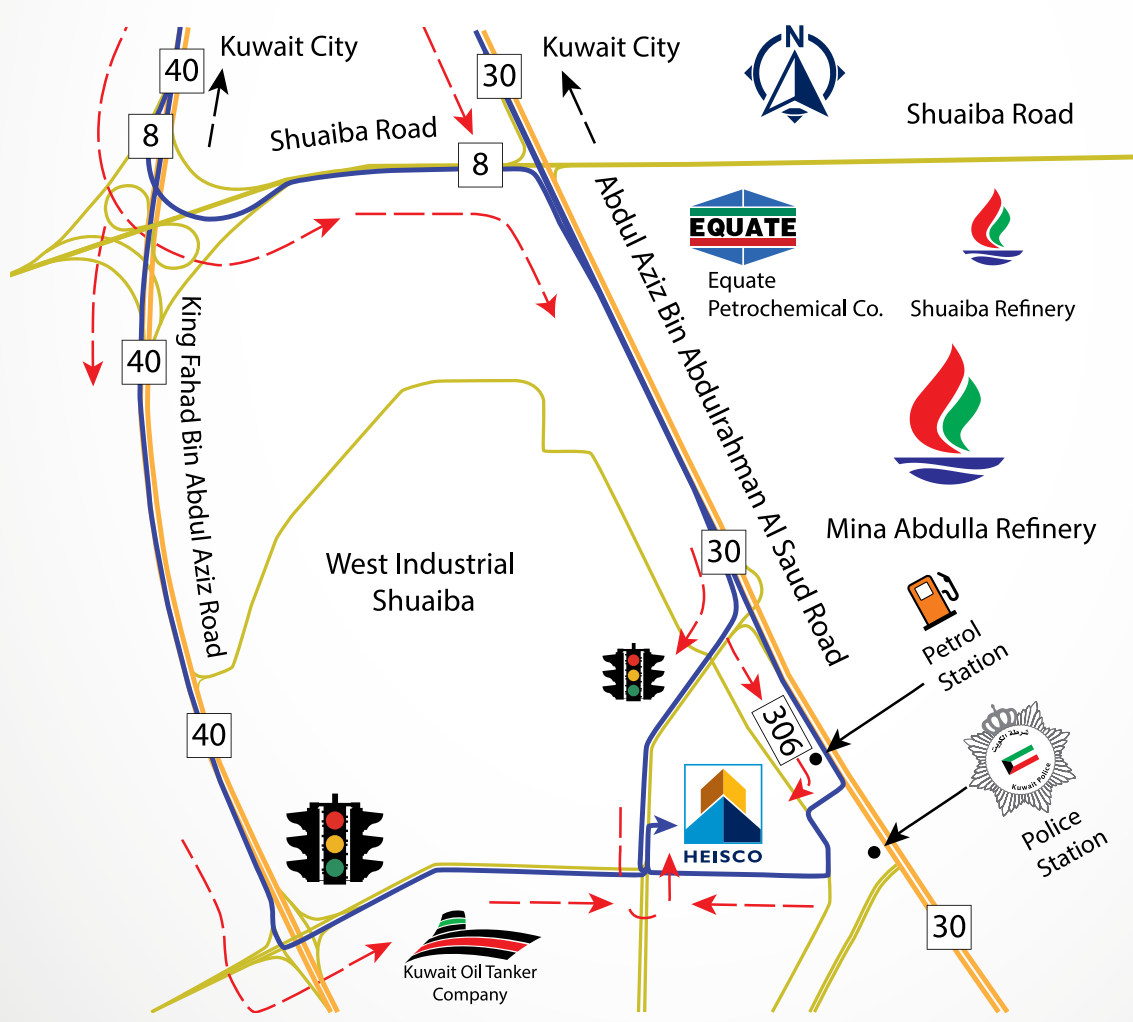
We achieved the trust and reliability of the customers through quality of our customer

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.



# OUR LOCATION







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