

# TANK OPERATIONS



**H**heavy Engineering Industries & Shipbuilding Co. K.S.C. (Public) (HEISCO) is one of Kuwait's leading Engineering, Procurement, and Construction (EPC) contracting companies. With decades of proven expertise in the design, fabrication, and installation of large storage tanks, HEISCO has established itself as a trusted EPC contractor capable of delivering even the most complex projects. Our capabilities include large-diameter tanks with intricate process internals and structural designs, ensuring both engineering precision and successful on-site execution.

HEISCO is certified to ISO 9001:2015 for Quality Management, ISO 45001:2018 for Occupational Health & Safety, and ISO 14001:2015 for Environmental Management.

## Key Achievements:

- Approved EPC contractor by KPC & Subsidiaries (KOC, KNPC, etc.) for Mega Storage Tanks exceeding 500,000 bbls.
- The first Kuwaiti company to build the largest storage tank ever constructed locally - 64.8 m diameter × 19.5 m height for the Lower Fars Heavy Oil Development Program (Phase-1) for KOC.
- The first Kuwaiti company to erect two aluminum domes (133 tons each) on 86.5 m diameter tanks for KIPIC's Sulphur Granulation & Conveying Unit (K-037), utilizing man-lifts to 58.4 m.

## Comprehensive In-House Capabilities

HEISCO offers end-to-end turnkey tank projects, including:

- Design & detailed engineering
- Procurement & fabrication
- On-site erection & installation
- Interconnecting piping works
- Electrical & instrumentation
- Painting, lining & coating
- Pre-commissioning & commissioning



Health, Safety,  
Environment  
- Our Priority.

## Compliance with Global Standards

Compliance with international codes and standards, including:

- API 650, API 620 (or equivalent)
- AWS A.I, ASME IX and other associated standards
- Swedish Sa for surface preparation
- SPCC specifications for painting, coating & lining



## Certified Process Equipment Manufacturer

HEISCO is among Kuwait's leading ASME and NB-certified manufacturers, accredited with:

- ASME "U," "U2," "PP," "S" Stamps
- NB "R" Stamp



## OUR MAJOR TANK PROJECTS:

Year of Award	2023
Project Title	<b>Water Facilities Upgradation at KOC's South Tank Farm</b>
Scope of Works	Construction of a brackish water storage tank, fixed cone roof, capacity 4 MMIG, 43.952 m Dia x 17.636 m height (approx.)
Quantity	1 no. (707 Metric tons)
Year of Award	2023
Project Title	<b>1. Maintenance Services for Storage Tanks in KOC Facilities</b>
Scope of Works	Tank Maintenance works
Quantity	35 nos. (Major Maintenance work)
Scope of Works	<b>2. EPC of New 91.85m Tank, Double Deck Floating Roof (T-66)</b>
Quantity	1 no. (757 Metric tons)
Year of Award	2022
Project Title	<b>Repair and Life Extension of Fuel Oil Tanks (Crude Oil Heavy Oil, Diesel) Including Fuel Lines at Az Zour South Power and Water Distillation Station</b>
Scope of Works	Repair and Life Extension of Fuel Oil Tanks
Quantity	6 nos. (Major Maintenance work)
Year of Award	2022
Project Title	<b>Storage Tanks in Jurassic Production Facility (JPF-4) North Kuwait</b>
Scope of Works	Complete Mechanical Design and Engineering of Tanks and their components / accessories as per API 650 / API 12F
Quantity	16 nos. (1057 Metric tons)
Year of Award	2018
Project Title	<b>Sulphur Granulation and Conveying Unit (K-037) for Kuwait Integrated Petroleum Industries Company (KIPIC)</b>
Scope of Works	Construction and erection of two aluminium domes weighing 133 tons each with diameter of 86.5 m along with SMPE&I works
Quantity	2 nos. (266 Metric tons)
Year of Award	2016
Project Title	<b>Gas Train-5 (GT5) Project at MAA Refinery for Kuwait National Petroleum Company (KNPC)</b>
Scope of Works	Engineering, procurement, construction and commissioning for API Tanks of Gas Train 5 (GT5) project at MAA Refinery
Quantity	4 nos. (330 Metric tons)
Year of Award	2015
Project Title	<b>Lower Fars Heavy Oil Development (LFHOD) Program Phase – 1 (60 Mbopd) for Kuwait Oil Company (KOC)</b>
Scope of Works	Design, engineering, procurement, fabrication, and construction of Storage Tanks (including 4 nos. of double deck external floating roof tank). Most of the tanks are process tanks with complex process internals
Quantity	49 nos. (20,000 Metric tons)

Year of Award	<b>2015</b>
Project Title	<b>New Gathering Centre (GC-30) in North Kuwait for Kuwait Oil Company (KOC)</b>
Scope of Works	Design, engineering, procurement, fabrication construction of Storage Tanks along with civil foundations works
Quantity	12 nos. (7,200 Metric Tons)
Year of Award	<b>2014</b>
Project Title	<b>New Gathering Centre (GC-29) in North Kuwait for Kuwait Oil Company (KOC)</b>
Scope of Works	Design, engineering, fabrication, and construction of Storage Tanks along with civil foundations works
Quantity	12 nos. (7,450 Metric Tons)
Year of Award	<b>2012</b>
Project Title	<b>Wara Pressure Maintenance Project for Kuwait Oil Company (KOC)</b>
Scope of Works	Design, fabrication and erection of Storage Tanks
Quantity	9 nos. (3,800 Metric Tons)
Year of Award	<b>2012</b>
Project Title	<b>Construction of Gas Oil Tank and Auxiliary at Al-Zour South Power Station for Ministry of Electricity &amp; Water (MEW)</b>
Scope of Works	Engineering, procurement and construction of Gas Oil Tank and auxiliary along with associated piping, electrical & instrumentation and firefighting system including civil foundations works.
Quantity	1 no. (475 Metric Tons)
Year of Award	<b>2012</b>
Project Title	<b>Low Sulphur Fuel Oil (LSFO) Project for Kuwait Oil Company (KOC)</b>
Scope of Works	Tank Erection & CP Works For Installation of LSFO Pipeline from Mina Al Ahmadi to Doha and Sabiya Power Stations.
Quantity	7 nos. (466.5 Metric Tons)
Year of Award	<b>2011</b>
Project Title	<b>New Booster Station BS-171 at West Kuwait for Kuwait Oil Company (KOC)</b>
Scope of Works	Fabrication and erection of Storage Tanks, painting, coating and lining.
Quantity	13 nos. (982.0 Metric Tons)
Year of Award	<b>2010</b>
Project Title	<b>Combined Cycle Gas Turbine at Sabiya Power Station for Ministry of Electricity and Water</b>
Scope of Works	Fabrication and erection of Storage Tanks.
Quantity	12 nos. (4050 Metric Tons)
Year of Award	<b>2009</b>
Project Title	<b>Heavy Aromatics Storage Tank and Slop Tanks Project for Kuwait Paraxylene Production Company (KPPC)</b>
Scope of Works	Engineering, procurement, construction and pre-commissioning of Heavy Aromatics Storage Tank and Slop Oil Tank.
Quantity	2 nos. (151 Metric Tons)
Year of Award	<b>2009</b>
Project Title	<b>PNZ Eocene EOR Project/Large Scale Pilot Steam Flood Project, Wafra, Kuwait for Joint Operations (JO)</b>
Scope of Works	Design, and installation of Tanks including concrete foundations.
Quantity	6 nos. (446 Metric Tons)
Year of Award	<b>2006</b>
Project Title	<b>OL2K project for EQUATE Petrochemical Company</b>
Scope of Works	Design, fabrication and installation of Tanks with internal floating roof tanks.
Quantity	8 nos. (2,483 Metric Tons)
Year of Award	<b>2005</b>
Project Title	<b>GC-28 Capacity Expansion for Compression &amp; Medium Crude Processing for Kuwait Oil Company (KOC)</b>
Scope of Works	Design, construction of Wet Crude Storage Tank.
Quantity	1 no. (480 Metric Tons)



<b>Year of Award</b>	<b>2005</b>
<b>Project Title</b>	<b>Tank Vapour System Crude Tank Filling Pipework and Reconstruction of Tanks at Southeast Kuwait Gathering Centres for Kuwait Oil Company (KOC)</b>
<b>Scope of Works</b>	Modification in Tank Vapour System Crude Tank Filling Pipework and Reconstruction of Tanks.
<b>Quantity</b>	5 nos. (1,279 Metric Tons)
<b>Year of Award</b>	<b>2004</b>
<b>Project Title</b>	<b>New Desalter &amp; Light Crude Train Modification and Capacity Expansion for Effluent Water Separation &amp; Transfer and MWIP Upgrade in GC-27.</b>
<b>Scope of Works</b>	Design, fabrication and construction of Effluent Water Balance Tank & Wet Medium Crude Oil Tank.
<b>Quantity</b>	2 nos. (982 Metric Tons)



**Construction of Storage Tanks - JPF4**



**Construction of Storage Tanks - LFHOD**



**Construction of Storage Tank for Water Facilities**



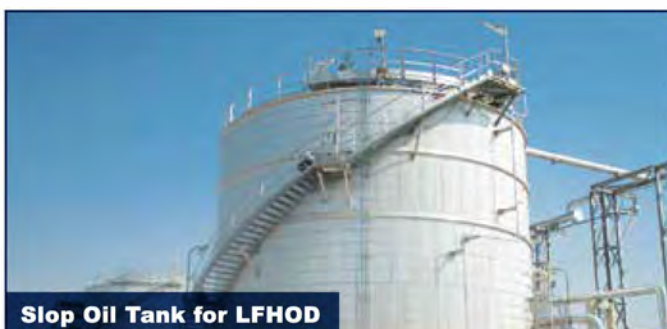
**Erection of Plenum (Central Portion of Aluminium Dome) for Sulphur Granulation & Conveying Unit (K-037)**



**Tank for Wara Pressure Maintenance Project**



**Tanks Constructed for OL2K Project**



**Slop Oil Tank for LFHOD**



**Make up Source Water and Disposal Water Tank for LFHOD**



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