

# OIL & GAS OPERATIONS



Q&G  
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

Oil & Gas Construction \_\_\_\_\_ 4



**Mechanical Operations (4)**



Pipeline (4)



Flowlines (5)



Plant (6)



**Civil Operations (7)**



**Electrical & Instrumentation Operation (8)**



**Tank Operations (9)**

Industrial Maintenance Operations \_\_\_\_\_ 10



**Maintenance Operations (10)**



**Power Plant Operations (12)**

Fabrication Service  \_\_\_\_\_ 13

QC & Testing Services  \_\_\_\_\_ 14

Calibration & Scaffolding  \_\_\_\_\_ 15

Trading & HSE  \_\_\_\_\_ 16



## About Us

Heavy Engineering Industries & Shipbuilding Co. K.S.C.P. (HEISCO), formerly known as Kuwait Shipbuilding & Repair-yard Co. (KSRC), is one of Kuwait's leading Engineering, Procurement, and Construction (EPC) contracting companies. Established in 1974 as a shipbuilding and repair company, HEISCO has significantly grown over the decades. HEISCO expanded its operations in 1982 to serve major industrial sectors, such as oil and gas, refineries, petrochemicals, power generation, water distillation and desalination, dredging, and maritime construction. In 2024, HEISCO proudly celebrated its 50th anniversary, marking a milestone that reflects five decades of innovation, excellence, and sustained growth.

HEISCO is a Kuwaiti shareholding company listed on the Premier Market of the Kuwait Stock Exchange. It is recognized for its strong market capitalization and high liquidity, demonstrating the trust and confidence of its stakeholders.

Our comprehensive range of services includes civil, mechanical, electrical, and instrumentation construction, industrial maintenance, fabrication and process equipment manufacturing, hot-dip galvanizing, quality control, calibration, and testing, scaffolding, shipyard services, and onshore and offshore operations. These services are delivered with an unwavering commitment to safety, quality, and environmental responsibility.

HEISCO is certified to ISO 9001:2015 for Quality Management, ISO 45001:2018 for Occupational Health & Safety, and ISO 14001:2015 for Environmental Management. We are classified as a Category 1 contractor by the Central Agency for Public Tenders (CAPT) for civil, mechanical, and electrical works, and hold international accreditations including ASME U, U2, S, and PP stamps, as well as the National Board R stamp.

Our Calibration Laboratory is accredited to the international standard ISO/IEC 17025 by the American Association for Laboratory Accreditation (A2LA), demonstrating our commitment to precision, reliability, and global quality benchmarks.

To support regional growth and enhance our capabilities, HEISCO has established a branch office in Al Khobar, Saudi Arabia. HEISCO has a presence in Iraq, and our subsidiary, Gulf Dredging, maintains a branch office in the country. Additionally, our group includes HEISCO for Technical Specialized Manpower Supply Co., which provides integrated manpower solutions across various disciplines, and HEISCO Engineering India Pvt. Ltd., based in Chennai, which enhances our design and engineering capabilities.

HEISCO is approved by Kuwait Petroleum Corporation (KPC) and its subsidiaries (KOC, KNPC, etc.), as well as distinguished regional clients including Saudi Aramco, Saudi Electricity Company (SEC), SABIC, NEOM, Red Sea Global, National Water Company (NWC), MAADEN, SASREF, QatarEnergy, and BAPCO.

With a heritage built on reliability, excellence, and continuous development, HEISCO provides world-class solutions that shape the region's industrial and infrastructure landscape.





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

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

**We value safety and quality.**

#### Our Subsidiaries:

- Gulf Dredging & General Contracting Co. K.S.C. (Closed)—Specialized in onshore and offshore operations.
- HEISCO for Technical Specialized Manpower Supply Co. W.L.L.—Provides technical and specialized manpower solutions.
- HEISCO Engineering India Pvt. Ltd.—Offers Design and Engineering Services

#### Our Branches:

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





## Oil & Gas Construction Delivering Excellence in Mechanical Operations

HEISCO provides comprehensive construction solutions for the oil & gas sector, specializing in pipelines, flowlines, and plant construction. Our expertise, combined with a deep commitment to quality, safety, and timely execution, makes us a trusted partner for complex projects across Kuwait and the region. HEISCO is a Category-1 contractor, approved by the Central Agency for Public Tenders (CAPT), for mechanical works.

### Pipelines

HEISCO Specializes in large-diameter and cross-country pipeline construction and has a proven track record in delivering high-quality pipeline projects across the oil & gas, petrochemical, refinery, power, and water sectors.

Our major experience includes the execution of 200 km of 48" pipelines and 600 km of varying diameters (up to 56") under a subcontract for the Low Sulphur Fuel Oil (LSFO) project with Kuwait Oil Company (KOC). We also carried out the complete Engineering, Procurement,



Construction, and Commissioning of two 20" Heavy Fuel Oil (HFO) pipelines, each 120 km long, from Mina Ahmadi Refinery to Doha Power Station for the Ministry of Electricity & Water. Additionally, we executed a key subcontract under the Manifold Group Trunkline (MGT) System Project for KOC, which involved the construction of pipeline networks connecting GC-29, GC-30, and GC-31 to multiple wells in North Kuwait. Our experience further includes the upgrade of the gas and condensate network in East Kuwait, involving pipelines of up to 42" in diameter.



Being a part of the energy sector, we become a part of a brighter tomorrow.



## Flowlines

Flowlines in the oil and gas industry are multiphase pipelines around 6" in diameter usually laid above the ground for transmitting the well-production (oil, gas and water) to the Gathering Centers where the three phases are separated.

HEISCO is delivering success to the pressure pumping and oilfield industry for over the years in Kuwait. Our expertise in flowlines and associated works achieve us our clients' trust.



**Safety Begins with Team Work.**

## Our Scope of Work Includes:



- Complete execution from field survey and site investigation to installation and commissioning
- Planning, procurement, and supply of materials
- Supervision, fabrication, inspection, and testing
- Shutdown tie-ins and flowlines of carbon steel and RTP
- Header and manifold extensions
- Construction of new remote manifolds with all associated civil works





## Plant

HEISCO delivers end-to-end plant construction solutions for the oil & gas, petrochemical, refinery, and power sectors. Backed by a team of highly qualified and experienced professionals, we manage every construction phase, from concept to commissioning, with uncompromised quality, safety, and efficiency, ensuring reliable and timely execution in line with client expectations and international standards

### The range of services:

- Project Management and Construction Management.
- Site Preparation, Temporary Facilities.
- Civil Construction Works.
- Equipment, Piping, Structural Fabrication and Construction Works.
- Mechanical Construction Works.
- Electrical & Instrumentation Construction Works.
- Start-up & Commissioning Assistance.





## Civil Operations

HEISCO is an approved contractor by Central Agency for Public Tenders (CAPT) as the category-1 civil construction contractor. Civil construction is crucial to a project's success. We offer years of extensive experience in the civil construction and development. Our professional civil engineering team, with dedicated technologies and equipment, deals with the design, construction and maintenance of industrial civil construction and infrastructure.



We develop technical policy; develop and integrate new technologies and manage all technical and operational aspects of our civil construction and infrastructure, adhering to procedures of site safety and quality control. HEISCO's Civil Construction can perform multiple tasks that meet your requirements efficiently. It includes concrete, asphalt, specialized paving, parking-lots, intricate foundations, concrete ditches, etc. Our Industrial Services are also skilled in the fabrication and erection of structural steel.



We build success on strong foundations.





## Electrical & Instrumentation Operations

HEISCO is one of the recognized leaders in Electrical, Instrumentation and Telecommunication Services. It provides a wide range of services like engineering, construction, calibration, testing, pre-commissioning, maintenance and troubleshooting. We deliver essential support and solution for operation & maintenance, oil & gas and power projects in the industry. Our Electrical and Instrumentation division, managed by highly qualified engineers and technicians, is capable of carrying out precise jobs of any kind utilizing HEISCO's facilities equipped with sophisticated instruments, equipment, tools, etc. It has vast experience in large construction projects in electrical, instrumentation, telecommunication and cathodic protection systems.

We are an approved Category 1 contractor by the Central Agency for Public Tenders (CAPT) for electrical works, reflecting our technical excellence, proven capabilities, and compliance with the highest industry standards.

With years of experience in the field, we are acknowledged as a reliable partner and won the trust of our clients.



### We focus on:

- Project Management
- Design & Engineering
- Procurement
- Construction
- Maintenance
- Testing, Pre-Commissioning & Commissioning



**We maintain Electricity, the backbone of the modern world.**



# Tank Operations

HEISCO has decades of experience in manufacturing and successful installations of Storage Tanks. We are capable of manufacturing tanks of complex structures and process requirements. HEISCO is currently the only Kuwaiti company approved by Kuwait Oil Company (KOC) for EPC contracts of mega storage tanks with capacities exceeding 500,000 barrels. HEISCO has complete in-house facilities for full turnkey projects from design, detailed engineering, procurement and fabrication of all items at site for erection, installation of interconnecting pipe-works, electrical connections, instrumentation, painting, lining and coating.

We construct and supply storage tanks in large dimensions. HEISCO is the first Kuwaiti company that built the largest tank ever constructed in Kuwait. We have successfully built a storage tank with a dimension of 64.5 m in diameter and 19.5 m in height for the KOC project, Lower Fars Heavy Oil Development (LFHOD) Program.

HEISCO successfully erected two 133-ton aluminum domes on 86.5-meter diameter tanks at KIPIC's Sulphur Granulation and Conveying Unit (K-037), utilizing three 58.4-meter man-lifts. This achievement marked the first operation of its kind in Kuwait, demonstrating our capability in executing complex and large-scale erection works with precision.

### Codes followed:

The international standard codes followed are API 650, API 620 or equivalent standards complete with all required associated standards such as AWS, ASME IX, surface preparation to Swedish Sa or SPCC specifications with painting, coating or lining. We treat our employees well, help them improve their skills and recognize their accomplishments, which in turn demonstrate good work ethics and customer services.





# Industrial Maintenance Operations

## Reliable Expertise. Round-the-Clock Response.

HEISCO offers a full spectrum of maintenance, rehabilitation, and turnaround services tailored for the oil & gas and power sectors. Our capabilities encompass the maintenance of upstream production facilities, as well as downstream refineries, utility plants, rotating and static equipment, heat exchangers, valves, tanks, and boilers. We deliver safe, efficient, and cost-effective solutions that meet the highest industry standards.

### We specialize in:

- Operations, maintenance, and rehabilitation of oil & gas and power facilities
- Complete plant and unit shutdowns (turnkey basis)
- Steam and gas turbine rehabilitation and repair
- Rehabilitation of plate and shell & tube heat exchangers

- Valve maintenance
- Tank maintenance
- Chemical cleaning of boilers
- Fireproofing, insulation, painting, and refractory works
- Generator rewinding, rotor re-blading, and dynamic balancing
- Reconditioning of engine components and heavy-duty radiators
- Emergency 24/7 response services
- Professional manpower supply (Current clients are KNPC, KIPIC, EQUATE, and KJO)

### State-of-the-Art Workshop Facility

Our Industrial Maintenance Workshop, located in Shuaiba Industrial Area, spans 4,650m<sup>2</sup> and includes two fully equipped bays, a Rehabilitation Workshop, and a Conventional Machine Shop, all of which are equipped with overhead cranes with a capacity of up to 60 tons. The facility features dedicated zones for machining, fabrication, valve servicing, heat exchanger reconditioning, and other specialized maintenance activities.



**A one-stop-shop for industrial services**





**Our advanced in-house equipment includes:**

- Vertical turning lathes and floor-type boring machines
- CNC horizontal lathes for turbine rotors
- Dynamic balancing machines
- Surface grinding and crankshaft grinding machines.
- Valve test benches and mechanical seal lapping machines
- Heat exchanger re-tubing tools
- Welding systems and specialized maintenance tools

Backed by a highly skilled team of engineers, technicians, and specialists, including turbine experts, machinists, welders, and re-tubing professionals, HEISCO delivers safe, high-quality solutions for industrial maintenance services.



Supported by advanced facilities and cutting-edge machinery, we are a trusted partner in maximizing the performance and reliability across Kuwait's energy and infrastructure sectors.





## Power Plant Operations

We offer operation and maintenance services to power plants. We maintain highest possible performance in terms of health and safety. Our specialists implement the systematic operating processes and modern management concepts for the success of our customers.

We have extensive experience in power stations in Kuwait under Ministry of Electricity and Water. We have successfully executed operation and maintenance, electrical, instrumentation and mechanical maintenance works in power plants. We do annual maintenance works for mechanical equipment, chemical cleaning, maintenance of gas turbines, upgrade of the combustion system of boilers, mechanical maintenance services, construction of gas oil tank, etc.

We have hands-on experience in rehabilitation of steam turbines & generators, maintenance of boilers, modification of skin casing of boilers,



installation of main extraction control valves, overhauling of gearboxes and motors, tapping of fuel supply lines, cooling water piping, distiller tubes refurbishment, structural steel works, buckstay & casing, cylindrical gas duct, gas & air ducts, etc. in power stations.

We continue to be a reliable contractor that our client can rely on and achieved years of trust from our clients.



**Conserve power to survive tomorrow.**



## Fabrication Services

Our fabrication facilities are situated in the best locations in Kuwait. Our Mina Abdullah Fabrication Facility which covers 60,000 square metres is close to the refineries, petrochemical and fertilizer plants in Shuaiba Industrial Area, and the Shuwaikh Facility covering 20,000 square meters is close to the Shuwaikh Port.

### Variety of equipment and facilities:

The Shuaiba Facility includes 20 overhead cranes up to the capacity of 50 Tons. The Heavy Pressure Vessels Manufacturing Facility has two bays; each consists of 240m length, 24m width, and 10.5 m height. The facility is equipped with four numbers of overhead cranes with a capacity of 50 tons each. The new highly sophisticated CNC Controlled Rolling Machine, Oil Fired Furnace, NDE & Hydro Test Facility, Automatic Grit Blasting Chamber, Painting Facility, Final Assembly & Inspection, the dedicated bays for stainless steel, lightweight carbon steel vessels, structural and piping fabrication, all add strength to our fabrication capability.



**You dream, we make it.**

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

### Our quality standards:

HEISCO's unwavering commitment to quality is reflected in its ISO 9001:2015 certified Quality Management System. Our workshops are accredited by the American Society of Mechanical Engineers (ASME) and the National Board of Boiler and Pressure Vessel Inspectors, authorizing us to apply the U, U2, S, PP, and NB R stamps—assuring the highest standards in design, fabrication, and repair of pressure vessels and related systems.





## Quality Control & Testing Services

HEISCO is committed to delivering quality products and services complying with international quality standards, ensuring the fulfillment of its contractual safety and legal obligations.

HEISCO has set up an entirely independent Quality Control Department in accordance with International Quality Systems. The company's Quality Management System is certified to ISO 9001:2015 and is in compliance with API Q1 specifications. Today HEISCO is one of the leading companies providing QC services to various clients/contractors in oil & gas, refineries, petrochemicals and power sectors in Kuwait.

HEISCO has the most modern testing equipment and highly skilled NDT technicians, inspectors and inspection engineers to meet project requirements related to Quality Control, Inspection and NDE Services.



Quality is key to our success



## Calibration Services

### Testing & Calibration



Established initially to provide in-house calibration services to support our various operations and projects, HEISCO's Calibration Laboratory grew rapidly to cater for external customers with a wide range of testing and calibration services as well. It is functioning in accordance with ISO 9001:2015 Quality Management System.

Our Calibration laboratory is accredited for technical competence in accordance with the recognized International Standard ISO/IEC 17025 by American Association for Laboratory Accreditation (A2LA).

HEISCO is a KPC-approved contractor for Metallurgical Analysis and Material Testing and is also approved by the Ministry of Public Works (MPW) for calibration and testing services.

Calibration laboratory, with highly qualified and trained engineers, technicians and state of the art master calibrators, has the capability to provide a wide range of testing and calibration services that can be performed in-house or on-site and third-party calibrations of specialized instruments.

Our master calibration equipment is well maintained and regularly calibrated to ensure that the services are provided with high quality, accuracy and reliability. The Calibration and Testing Services conducted by the Calibration Laboratory cover the following groups of instruments and equipment :

- Electrical
- Linear and Mechanical
- Pressure
- Temperature/ Humidity
- Chemical
- Non-Destructive Testing Instruments

## Scaffolding



Our Scaffolding Unit caters to the scaffolding requirements of a variety of projects and maintains a strong working relationship with our clients. Our high degree of customer services and highly skilled professional operations focusing on safety and quality led us to achieve the trust and reliability of our customers.

We believe that safety is our highest commitment. We provide the safest platform to stand on and work with both hands free, and our scaffolding protects our people. Where there are maintenance and repair, the scaffolding is important because there is no other way to reach different heights safely.

Our scaffolding materials comply with international standards. We perform erection and installation and do dismantling upon completion of the job considering safety and precautions. HEISCO issues to its employees all the required items of Personal Protective Equipment for carrying out their work safely.

## Trading



HEISCO's dynamic sales and marketing forces are charged with responsibilities for promoting the sales of materials, products and equipment to marine industry, oil & gas and power utility sectors on behalf of a portfolio of leading international manufacturers and suppliers.



HEISCO offers its customers an unrivalled service of experience, technical competence and reputation backed by after sales service from the formidable engineering & maintenance resources of our combined operations.

Our Trading Operations promotes a variety of industrial products and also the interests of large international EPC contractors in Kuwait, both by way of sponsorships and value-added partnership.

## Galvanizing Plant

HEISCO operates a state-of-the-art, environmentally friendly hot-dip galvanization plant in the Shuaiba Industrial Area. Designed for high efficiency and low emissions, the fully automated facility serves clients across the oil & gas, petrochemicals, infrastructure, electrical, power, and water sectors.

Equipped with modern machinery and a remote-controlled dipping system, HEISCO ensures consistent, long-lasting zinc coatings that offer superior corrosion protection, delivering with a commitment to quality, scale, and environmental responsibility.



## HSE



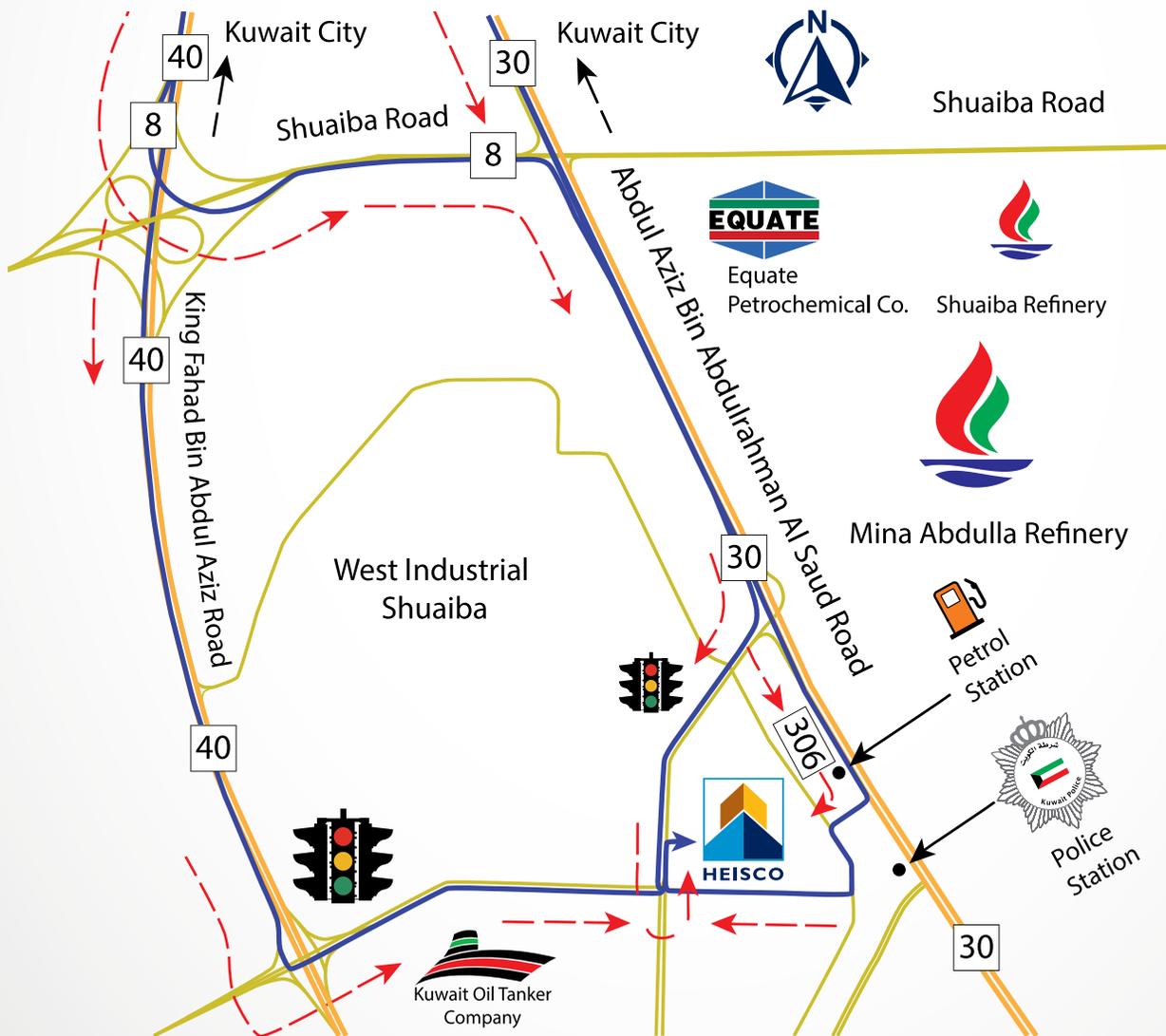
At HEISCO, Health, Safety, and Environment (HSE) is a core value embedded in every aspect of our operations. Our HSE policy is built on the principle that safety is a shared responsibility and must be inculcated as a culture in all levels of employees.

HEISCO's HSE Management System is certified to ISO 45001:2018 for Occupational Health & Safety and ISO 14001:2015 for Environmental Management, reflecting our commitment to maintaining the highest standards in workplace safety and environmental management.

We strictly comply with all local HSE regulations, and our performance consistently exceeds international benchmarks, as evidenced by our outstanding incident rates. Backed by a team of trained HSE professionals and equipped with the latest safety gear, we ensure every project is executed safely and responsibly.

Our dedication to HSE excellence has earned us numerous industry awards, emphasizing our position as a trusted and responsible contractor.

# OUR LOCATION





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)