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**OIL & ENERGY**  
EPC Contractor & Products Supplier






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*every Project*  
has its own *Story*

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A full-page photograph of a mountain biker riding down a snowy mountain trail. The rider is wearing a yellow jersey and a backpack, seen from behind. The sun is low on the horizon to the left, creating a strong orange glow and lens flare. The mountain slopes are covered in patches of snow and dry grass. The sky is filled with dark, dramatic clouds.

**NEVER STOP PEDALING  
TO POWER YOUR DREAMS**



## INTRODUCTION

Sarh Al Ebtakar Al Handesi is privately held Trading and General Contracting Company providing Design, Engineering, Procurement and Construction Services, also Equipment Supply in the fields of Oil, Gas, Power and Water Industries. We have gathered professional team from various countries with valuable experience in order to provide best services according to international standards. SEHCO's executive team has managed lots of projects in Middle East Market and knows well best solutions and local capacities.

Strong engineering team is our advantage that take us one step forward in comparing to our competitors which enable us to provide better services by accurate design, minimizing costs and valued engineering designs. SEHCO is always looking for comprehensive cooperation to increase its capabilities and capacities, which has resulted in successful Partnership with reputable Manufacturers, Packager Designers & Suppliers, Engineering Consultants and International EPC Contractors. We are developing our Fabrication Facilities and standards to provide fast and high-quality services to customers and increase our efficiency as well. Our company is recruiting different skilled manpower resources from Middle East that made us able to provide better quality and covering our customers in simultaneous working area. Implementing latest HSSE instructions and training, receiving ISO 9001, 14001 & 45001 while keeping no major accident record in our projects, is what we proud of, improving that Safety is important for our staff, their family and all stakeholders.

We never stop Improving .



## MISSION & VISION



### MISSION

We are committed to Delivering projects safely, timely, and economically with high quality. Developing the skills and knowledge of our employees in friendly and cooperative working environment. Providing opportunities for the people in region of project execution to help in their life quality.

### VISSION

To be a socially responsible company which benefits all stakeholders, from company shareholders to employees, from clients to local people.





## FIELDS OF SERVICES IN VARIOUS INDUSTRIES

### OIL , GAS & PETROCHEMICAL

#### Storage Tanks:

Design, Supply, Fabrication, Installation & Commissioning of Storage Tanks, Tanks, in different types, sizes/capacities, **Fixed/Floating Roof, Spherical Tanks**

#### Pipelines:

Design, Supply, Erection and Commissioning of;

- **Pipelines:** from 8" up to 46", providing high quality welders from Iraq and out side
- **Pumping Stations**
- **Valves Stations/ESD**

#### Wellhead Facilities:

Design, Supply and Installation of Engineered and Tailor-Made Upstream Equipment

- **Wellhead Equipment & Controls**
- **Control System: Wellhead/Local Control Panels**
- **Safety System: High Integrity Pressure Protection System (HIPPS)**
- **Chemical Injection System (CIS)**
- **Valves Choke/Gate & Hydraulic Actuators**
- **Ancillaries**

#### Pipes & Piping Material:

Providing **Piping Services** in Shop or Field along with shop drawing and as built-in, in different material such as C.S., S.S, Super Duplex, Alloy, with variety of thickness and ) pressures (#150 up to #5000)

- **On/Off Valves, Motor Operated Valves (MOV)**
- **Control Valves**
- **Pressure Safety Valves (PSV)**
- **Piping Material (Fittings, Flanges, Fasteners, Gaskets .)**

### Process & Mechanical Works:

Design, Supply and Installation of Static & Rotary Equipment/Packages;

- **Pressure Vessel**
- **Heat Exchangers**
- **Air Cooling**
- **Scrubber**
- **Scraper Traps**
- **API & Non-API Pumps & Pump Skids**
- **Desalting Units**
- **Dehydration Units**
- **Sulphur Recovery Units**
- **Separation Units**
- **Sweetening Units**

### Instrument and Control Works:

Design, Supply, Commissioning and Testing of Instrument Equipment/Packages;

- **Metering System**
- **Cathodic Protection System**
- **F&G Devices**
- **Leak Detection System**
- **Instrument Devices**

### Electrical Works:

Design, Supply, Commissioning and Testing of Electrical Equipment/Packages;

- **Sub-Stations**
- **Switchgear**
- **Transformers**
- **Cabling**
- **E-Houses**
- **Electrical Panels**
- **Earthing**
- **DC Charger, UPS, SCS, LCS**



### POWER & ELECTRICITY

Single & Combined Cycle Power Plants;

- **Main Block; Installation of Turbines/GTG & Compressors**
- **BOP; EPC Schema of Fuel System & Storage, Piping, Cabling, Mechanical, Electrical and Instrument Works**

### WATER & WASTE WATER

Design, Supply, Installation and Commissioning of;

- **Water Treatment Units**
- **Pipeline**
- **Desalination**
- **Water Intake**





## PROJECTS SCOPE OF SERVICES - EPC SOLUTION



### Engineering & Design

Hiring international staff and also cooperating with well-known engineering consultancy companies, we provide multi-disciplined engineering and project management services including basic & detailed design, project management controls and estimating, shop fabrication and as built designs. Also, SEHCO serves its clients with mechanical packages' design which are provided by our high-quality Manufacturing Partners.

### CONSTRUCTION

SEHCO supplies Clients with execution services for all project phases; with experts in the field of construction execution, including constructability, craft certification, industrial relations, modularization, welding services. We provide input into construction scope to optimize construction activities and to offer cost saving suggestions during all project phases. We are also available for project problem resolution at site. SEHCO provides construction project management services using proven technologies, systems and work processes to provide optimal results for Clients. Moving towards the start of actual construction, we create more detailed plans, select appropriate sub-contractors, and begin practical measures such as hiring necessary staff. Assembling thousands of workers and tens of thousands of tons of material, we use control systems to ensure being on schedule at maximum performance. SEHCO has done its best to deliver complex and challenging construction projects, on-time and within budget.

### Fabrication & Pre-Fabrication

SEHCO has access to powerful and mobilized yards to provide fabrication solutions to Clients' capital projects. With the knowledge gained by self-performing fabrication, SEHCO can effectively manage Third Parties Inspections to meet fabrication standards of projects in diverse industries. We provide our clients the flexibility of offsite fabrication and proven expertise to deliver compressed schedule and cost benefits of modular construction. Self-perform fabrication yards may be adjacent to the site or at remote locations, reducing onsite craft densities and shifting work to inherently safer and more controlled work environment as remote locations may offer cost and schedule advantages.

- Shop Design
- Plates & Structure Fabrication Shop
- Pipes Fabrication Shop
- Spool Fabrication
- Storage Tanks Fabrication Shop
- Test & Commissioning
- Maintenance

### Manpower supply

- Experienced Vertical Welders & Fitters
- Electrical Technician
- Instrument Technician
- Mechanical Technician





## CERTIFICATE & QUALIFICATIONS



SEHCO IS QUALIFIED AND REGISTERED  
BY INTERNATIONAL OIL COMPANIES &  
EPC CONTRACTORS



## HSE

Safety and health of its people, of local communities and of its partners are a top priority for SEHCO. SEHCO conducts its activities in accordance with international regulations, standards, conventions and all national/local laws and policies safeguarding the health and safety of workers. SEHCO takes an integrated approach to safeguarding health and safety in accordance with principles of planning, prevention, protection and continuous improvement, investing all levels of Company with responsibility. We have developed comprehensive HSE Management System that meets the requirements of all applicable laws and is certified to International Standards ISO 14001:2015 and OHSAS 45001:2018. SEHCO's HSE risk management is based upon the principles of prevention, protection, awareness, promotion and participation. Its aim is to ensure health and safety of workers and to protect the environment and public's general welfare. SEHCO recognizes that construction operations may have damaging impact upon the environment and therefore ensure that all construction activities are carried out in such a manner as to ensure high standard of environmental protection and awareness.



## ENVIRONMENT

# Plant a Tree

## Green The Earth Clean The Air

# Live Happily

SEHCO is committed to the protection and enhancement of the environment. It takes close and responsible interest in, considers and respects the physical, economic and social environments in all projects in which it is involved. An environmental action plan seeking continual improvement is produced on an annual basis setting out specific objectives, targets and implementation steps, with the progress routinely monitored, reviewed and reported to the board of management. We aim to contribute towards environmental improvement and sustainable development by using best practice and innovation to minimize environmental impacts. Environmental impacts are assessed at every stage of business process in consultation with organizations working on behalf of SEHCO including designers, sub-contractors, etc.. to develop agreed solutions that are sympathetic to the environment and community.



## QUALITY CONTROL



SEHCO implements its Quality Policy to become among first-class enterprises in Middle East by providing to its customers products and services with best quality . We utilize quality management system that satisfies all the requirements of ISO 9001:2015 Certification and ensures all employees understanding and abiding by its strict quality-assurance policies. We make every effort to provide the best quality with customer impression by being well aware of quality policy and accomplishing quality objectives.



## MW&T ( ITALY )

Engineering and Construction Company; having its activities focused in Oil & Gas, Water Treatment and Desalination Plants, providing high quality design in the followings:

[www.mwtanks.it](http://www.mwtanks.it)

- Metering Skid
- Scraper Trap
- Automation Control System
- Instrument Package
- Leak Detection System



## Gruppo Italiano Progettazioni e Realizzazioni Industriali ( ITALY )

G.I.P.R.I srl is an Entity operating in Design, Construction of Skids/Packages/Units and entire Industrial Plants in Process, Mechanical, Electrical, Instrumentation, Automation and Control Sectors in following know-how technologies:

- Oil/Gas Separation
- Slop/Sludge Treatment
- Crude Oils & Fuel Electrostatic Desalting
- Natural Gas Dehydration
- Natural Gas Sweetening
- Sulphur Recovery Unit
- PIG Launching & Receiving Traps

[www.gipri.it](http://www.gipri.it)



## C.R. Technology Systems S.p.A. ( ITALY )

Providing Turn-Key & Tailor-Made Products and Solutions, for the Production, Transformation, and Distribution of Energy

- Switchgear MV AIS – ATR
- Switchgear MV GIS – ATR Ring
- Switchgear MV AIS – Normal Clad
- High-Voltage Electrical Substation
- ISO Container
- Mobile Sub-Station
- Photovoltaics
- Public Lighting
- Retrofit Solution
- SCADA Solution
- STC – Box
- STC – Kiosk

[www.crtsgroup.com](http://www.crtsgroup.com)

## LS Electric Co., Ltd ( SOUTH KOREA )

Leader in Power and Automation Solutions

- LV/MV Switchgear (GIS/AIS)
- Transformers
- Sub-Stations & Mobile Sub-Stations
- E-Houses
- DMS/EMS/DCS/SCADA Systems

[www.ls-electric.com](http://www.ls-electric.com)





## INTERNATIONAL PARTNERS

## EXECUTED PROJECTS



### AMV Chemie Technologie GmbH ( AUSTRIA )

Global Engineering and Supply Company in the field of Waste Water and Water Treatment Systems;

- Packaged Portable Water Treatment Plants
- Reverse Osmosis Systems
- Water & Waste Water Management for Industrial Plants
- Packaged Sewage Treatment Plants
- Seawater Intake



[www.amv.co.at](http://www.amv.co.at)

### Engineering, Procurement and Construction of the Connecting Point at PS2, PS3 & GTU and the Gas Pipeline Route (ESDV)

**Location:** Basrah/Samawah/Najaf, Iraq

**Client:** Basrah Oil Company (BOC)

**Type:** EPCC

**Scope of Work:**

Basic & Detailed Design, Procurement, Construction and Commissioning of:

- Completion of 24" Gas Pipeline with the length of 340km
- Installation of (13) ESDV Stations in Pipeline Route
- Completion of PS2 (Gas Compression Unit)
- Completion of PS3 (Gas Compression Unit)
- Completion of GTU (Gas Compression Unit)
- Supply & Installation of (13) NOs of MOVs
- Hot Tap Connections





## EXECUTED PROJECTS



### Design, Supply and Installation Supervision of (9) Sets of Floating & Fixed Roof Oil Products Storage Tanks

**Location:** Basrah & Nassiriyah Refineries, Iraq  
**Client:** State Company for Oil Projects (SCOP)

**Type :** EP + Fabrication

**Scope of Work:** Engineering, Procurement, Fabrication and Installation Supervision of:

- 3x300,000 m3 Double Deck Floating Roof Crude Oil Storage Tanks
- 1x7,000 m3 Single Deck Floating Roof Reformate Storage Tank
- 2x10,000 m3 Dome Fixed Roof Self Supported Storage Tanks for Raw Water
- 1x2,000 m3 Single Deck Floating Roof Naphtha Storage Tank
- 1x5,000 m3 Dome Fixed Roof Fuel Oil- Self Supported Storage Tank
- 1x2,000 m3 Single Deck Floating Roof Slop Storage Tank
- Lighting & Earthing System
- Mixers
- Cathodic Protection System
- Insulation
- Rim Seal Protection System
- Fire Alarm System



### Design & Supply of (4) Sets of Floating & Fixed Roof Oil Products Storage Tanks with Ancillaries

**Location:** Daura Oil Refinery, Baghdad, Iraq  
**Client:** Heavy Engineering Equipment State Company (HEESCO)

**Type:** EP

**Scope of Work:** Basic & Detailed Design, Procurement & Installation Supervision of 100,000 BBL Storage Tanks

- 87,500 BBL Floating Roof Storage Tank
- 50,000 BBL m3 Floating Roof Storage Tank
- 6,500 BBL m3 Fixed Roof Storage Tank
- Instruments, Control System & RTG System
- Lighting & Earthing System
- Cathodic Protection System
- Paint & Insulation
- Rim Seal Protection System
- Fire Alarm System





## SOCIAL RESPONSIBILITY

## OFFICES & FACILITIES

### 1- Basrah Office

Address: Al Jazaeer District, Al Wofoud St., Basrah, Iraq  
Size: 460 sqm  
Marketing and Technical Team including; Engineering, Projects & Construction Management and Procurement

### 2- Baghdad Office (1) - Management

Address: Arasaat St., Baghdad, Iraq  
Size: 120 sqm  
Management, Finance and Marketing Team

### 3- Baghdad Office (2) - Administration

Address: Al Saadoon St., Baghdad, Iraq  
Size: 150 sqm

### 4-Shop and Facilities - Basrah

Address: Barjessiyah, Basrah, Iraq  
Size: 1500 Sqm  
Including; Workshop, Fabrication Facilities, Warehouse, and Machineries

## WE SHARE VALUE LOCAL COMMUNITIES

SEHCO's policy is to hire local staff for each construction project, in order to share benefits of projects with the local community.