



HAWK International *Finance & Construction Co. Ltd.*

HAWK International

Fabrication Workshop (HIFW) Facility

2010

PROVIDING FABRICATING SOLUTIONS TO THE OIL & GAS INDUSTRY



CONTENTS

- o Overview
- o Business Objectives
- o Facility and Equipment
- o Service Areas
- o Major Clients
- o Sample of Implemented Projects
- o Quality and HSE System
- o Company Policies

HAWK International Operations

OIL & GAS

Plant Facilities



Pipelines



Power Plants



Storage Tanks



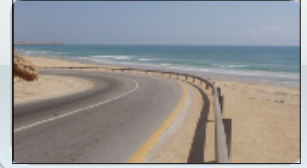
Fabrication Workshops



Founded in 1992, **HAWK International Finance and Construction Co. Ltd.** (**HAWK International**) has undertaken a variety of projects in the Oil & Gas sector and other selected industrial markets. In the Oil & Gas sector, **HAWK International** undertakes turnkey projects in areas such as petrochemical plants, central processing facilities, pipelines, flow-lines, wellhead tie-ins and tank erection including all associated civil and mechanical construction, piping, electrical & instrumentation works. **HAWK International** also specializes in Infrastructure projects including Roads & Tunnels, Canals, Airports, Commercial Buildings and Offshore Marine Works.

INFRASTRUCTURE

Roads and Tunnels



Canals



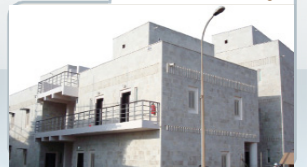
Airports



Offshore Marine Works



Commercial Buildings



In addition to the above in-site activities, **HAWK International** management felt a necessity to provide a modernized Prefabrication and pressure Vessel manufacturing facility to Oil & Gas sector.

HIFW Overview

Over the years, **HAWK International** has acquired credible experience fabricating and installing various parts and components of big projects in the Oil & Gas sector. As part of its vision, **HAWK International** has established its Fabrication Workshop at Aloyoun near Mukalla city which is the first such workshop built in the Republic of Yemen. Our fabshop is fully equipped with the necessary machineries and tools that enable us to fabricate equipment structuring. Our latest machineries and expertise of experienced workforce, assures our clients high quality and good workmanship.



HIFW Facility Services is driven by the desire to provide solutions to our clients. We do this using equipment and expertise gained over several years in business. We seek to provide solutions and to be innovative in our approach to problem solving and manufacturing of different products.



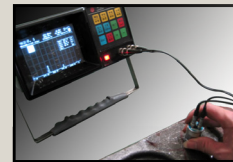
HIFW facility services can detail your design, economically purchase the raw materials, cut, form, fit, and weld the components. **HAWK International** also have in-house NDT and Painting facility providing a one stop shop fabrication choice for a prompt delivery.



HIFW Business Objectives

Business objectives that are of benefit to our clients include the following:

- To provide a cost effective and efficient solution to detail Engineering and pre-fabrication needs with regard to steel Structure, storage tank and pressure vessels.
- To minimize the delivery time of products by offering an “In-land” Prefab facility in the country, closed to the Oil and Gas field operation area.
- To provide necessary pre-fabrication support to the various Construction projects taken up by HIFC in different area of Yemen.
- To generally upgrade the facility and get ASME U Stamp accreditation to manufacture ASME Coded Pressure Vessels.

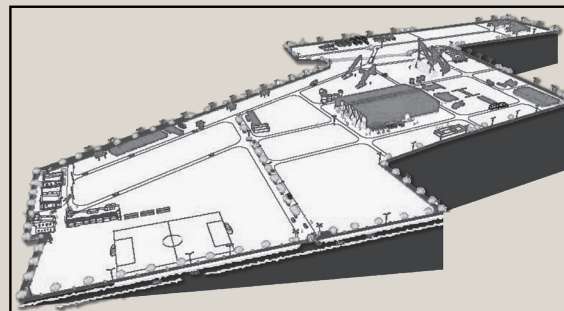


HIFW Facility & Equipment



Our Fabrication Workshop comprises of Open and Shaded Yard and utilizes a wide range of equipment to manufacture products including pressure vessels & storage tanks, steel structures, access component, Platforms, Crane Gantries, Columns and Trusses. These are manufactured to international standards, and in mild and stainless steel for the oil and gas industry. HIFW Facility and equipment include, but not limited to:

- o 10,000 square meters of covered workshop space
- o 10,000 square meters of open yard for storage for raw and finished materials
- o Office Block for production, design and QHSE departments
- o Dedicated Machine Shop
- o Lincoln DC 1000 Automatic Welding Manipulator
- o 2 x 10 + 2 x 15 Ton Overhead Cranes (one per bay)
- o 1 x 30 Ton Goliath Yard Crane (future)
- o 2 sets of Grit blasting and Airless Painting Equipment
- o 2 x Conventional Lathe Machine
- o 1 x Milling machine
- o 1 x Drilling machine
- o 1 x Shaping Machine
- o 1 x Boring machine (future)
- o 1 x Radial arm drilling machine (up to 2,5m)
- o 1 x 12 mm thick x 3000 mm capacity Guillotine / Plate Shear
- o 1 x 12 mm thick x 3000 mm capacity Press Break
- o 1 x 12 mm thick x 3000 mm capacity Plate Roll
- o 1 x 40 mm thick x 3000 mm capacity Plate Roll (future)
- o 1 x Steel Section Roll
- o 2 sets of Rebar Cutting and Bending Machines
- o 1 x Steel Section Power Band Saw
- o 30 Units of Electric and Diesel Electric Arc Welding machines
- o 3 x TIG Welding Units
- o 6 x MIG Welding Units
- o 1 x 1000 Amps Submerged Arc Weld. Manipulator with 2x40 Ton Capacity Welding Rotators
- o 2xMobile cranes and various other small machinery and equipment
- o Semi Automatic pipe welding m/c (BVG-o system)
- o NDT equipment and accessories
- o Software support for design



HIFW Service Areas

We shear, punch, bend, roll form, hem, weld, drill, paint and fulfill every steel fabrication requirement, including a complete design service. Our products include:

- Complex Structural Steelwork
- Industrial Sheds
- Overhead Crane Gantries
- Sewage Treatment Piping and Tanks
- Storage vessels and supporting steelwork
- Pre-fabrication & site erected storage tanks
- Pressure Vessels and Chemical Reactors
- Access component, Platforms and handrails
- Industrial Piping
- Chutes, stacks, and ductwork
- Custom domes and tanks
- Piping manifolds
- Steel racks and cradles
- Specialized Steel Alloy fabrications
- Rebar Cutting and Bending
- Tankers, Semi Trailers and Truck Bodies
- Grit blasting and Airless Spray Painting
- Machine Shop Services
- Fabrication of pipes and skid modules for Sprinkler/Deluge and Gaseous protection



HIFW Major Clients



TOTAL

Total Exploration and Production



Calvalley (Cyprus) Ltd.



Yemen LNG



Yemen Gas



Safer Exploration and Production



Canadian Nexen



DNO ASA



OMV



Schlumberger



Weatherford

Weatherford



Dove Energy

Sample of Implemented Projects

Several orders for fabrication have been awarded to this facility aside from fabrication works in support of the on-going projects of **HAWK International** in the Oil and Gas sector. A list of API 650 storage tanks **HAWK International** has built is as shown in the following table.

DESCRIPTION	QTY	CLIENT	LOCATION	SCOPE
5,000 BBL Capacity Oil Storage Tank, 10 mtr. Diameter	2	Calvalley Petroleum	Block 9 Yemen	Design, Fabricate, Field Erection, Test and Paint
5,000 BBL Capacity Produced Water Tank, 10 mtr. Diameter	4	Calvalley Petroleum	Block 9 Yemen	Design, Fabricate, Field Erection, Test and Paint
10,000 BBL Capacity Oil Storage Tank, 14 mtr. Diameter	4	Calvalley Petroleum	Block 9 Yemen	Design, Fabricate, Field Erection, Test and Paint
5,000 BBL Capacity Oil Storage Tank, 12 mtr. Diameter	4	DNO Yemen	Block 43 Yemen	Field Erection, Test and Paint
5,000 BBL Capacity Oil Storage Tank, 12 mtr. Diameter	1	DNO Yemen	Block 43 Yemen	Design, Fabricate, Field Erection, Test and Paint
5,000 BBL Capacity Oil Storage Tank, 12 mtr. Diameter	2	DNO Yemen	Block 32 Yemen	Field Erection, Test and Paint
5,000 BBL Capacity Oil Storage Tank, 12 mtr. Diameter	3	DNO Yemen	Block 32 Yemen	Design, Fabricate, Field Erection, Test and Paint
20,000 BBL Produced Oil Skimming Tank, 22.5 mtr. Diameter	1	Dove Energy Ltd.	Block 52 Yemen	Fabricate, Field Erection, Test and Paint
8,000 BBL Firewater Storage Tank, 12 mtr. Diameter	1	Total Exploration & Prod'n.	Block 10 Yemen	Design, Fabricate, Field Erection, Test and Paint
10,000 BBL Firewater Storage Tank, 16.7 mtr. Diameter	1	SEPOC	Ras Issa PRMS Yemen	Design, Fabricate, Field Erection, Test and Paint

Also, **HAWK International** has built over 20 units of Early Production Oil Storage Tanks of 400 and 500 BBL Capacities for Calvalley, DNO, Vintage Petroleum, Dove Energy and Weatherford, all located in Yemen.

HIFW has already completed and delivered vessels of 50 cubic meter capacity Flare Knockout Drums for Calvalley Petroleum Block 9 CPF.

The three vessels are identical and measure 3.040 meter inside diameter x 6.10 meter tangent length and constructed from 12 mm thick A516 Grade 70 carbon steel plate.

Vessels are designed and fabricated in conformance to International Standard - Pressure Vessel Code ASME Section VIII Div. 1 and inspected by internationally recognized Third Party Certification agency Bureau Veritas.

These are the first such pressure vessels designed, manufactured and tested in the Republic of Yemen.



Sample of Implemented Projects

Also recently, **HAWK International** has completed the complete Design, Fabrication, Supply and Installation of 2 x 45,000 BBPD Stage Separators and 1 x 15,0000 BBPD Test Separator for Dove Energy Limited Block 53 Yemen.

These are skid mounted separators complete with piping, instrumentation and controls manufactured in accordance to ASME Section VIII Division 1 code and is certified by Bureau Veritas

The Stage Separators are 6 ft. in diameter x 20 ft. tangent length manufactured from 16.0 mm thick ASTM A 516 Grade 70 carbon steel plate. The Test Separator is 4 ft. in diameter x 15 ft. tangent length with a shell thickness of 12.0 mm thick from ASTM A 516 Grade 70 carbon steel plate. All the separators are having removable internals made of 316L Stainless Steel.

They are designed to operate at 275 psig (Maximum Allowable Working Pressure) for the separation process of Oil, Water, and Gas.

The entire separator materials from shell, piping, valves and instrumentation comply to NACE MR 0175 requirement intended for sour service.





Sample of Implemented Projects

Currently, **HAWK International** is awarded with a contract to design, fabricate and supply 36 units of Zinc Mining Process Tanks of various sizes for Jabal Salab Company thru SNC Lavalin - Belgium.

The tanks are of carbon steel and internally rubber lined for abrasion resistance.

Some of the tanks are mounted with agitators and insulated for heat conservation and personnel protection





Quality and HSE System

HAWK International has been ISO 9000 accredited for quality management system since December 1995.

With a reputation for reliability and service, **HAWK International's** continuing program for Quality Assurance, Health & Safety and Environment has led to:

- The certification to ISO 9001:2008 for the Quality management system
- The certification to ISO 14001:2004 for the HSE management system
- The certification to BS OHSAS 18001:2007 for the environment management system

QUALITY MANAGEMENT SYSTEM

The company has established, documented, implemented and maintains a quality system as a means of ensuring that product conforms to required specifications and customer satisfaction. The system is under constant review in order to measure and continually improve its effectiveness.

Key elements of the system are as follows:

- Identification of the processes required for the quality management system
- Determination of the sequence and interaction of above processes
- Determination of criteria and methods necessary for operation and control
- Ensuring availability of resources and data for support and monitoring
- Monitoring, measuring and analysis of above processes
- Implementation of actions necessary to achieve planned results

HSE MANAGEMENT SYSTEM

Company has established and maintained documented procedures to ensure that employees are competent to perform tasks in a manner to minimize the risk and prevent pollution in compliance with OHSAS 18001: 2007 and ISO 14001:2004.

Different levels of responsibility have been taken into account to ensure that employees are aware of:

- The importance of conformance to the HSE policy and procedures.
- Hazard identification, actual or potential of their work activities.
- environmental aspects consideration for emissions to air, ambient noise levels, release to water, release to ground (contamination of land, waste management), natural resources, flora, fauna and humans, waste management



Company Policies

HAWK International considers the Health and Safety of its personnel to be the primary value, maintaining the highest HSE standards. By ensuring appropriate measures in place, from the project's design phase through all stages of operations, HAWK International is committed in reducing industrial risk, preserving the health and safety of all personnel, and maintaining the highest measures to reduce pollution impact to the environment.



HAWK International
Finance and Construction Co. Ltd

QUALITY POLICY

HAWK International is committed to the achievement of the following objectives:

- Ensure that all services and products provided by the Company are in accordance with our Client's requirements.
- Provide and maintain the resources needed to achieve conformity to product requirements.
- Establish relationships with suppliers and partners to promote and facilities communication with the aim of mutually improving the effectiveness and efficiency of processes that create value.
- Continually improve the effectiveness and efficiency of our operations, and enhance our product quality.
- Train and develop Company personnel in the execution of quality work and understanding of the quality system, with a particular emphasis on local employees.
- Ensure quality awareness at all levels within the Company.
- Ensure that all Company Management requirements, including those of EN ISO 9001:2008, are being fulfilled and that the system is continually reviewed in order to improve its effectiveness.

This policy shall be distributed to all Company locations, and shall be the concern of each and every employee of the Company.

Mohammed A. A. Hezam

Company President and CEO

31 May, 2009

شركة هوك العالمية
للتموليل والإنشاءات المحدودة

سياسة الجودة

هوك العالمية تهتم بالعمل على تحقيق الأهداف التالية للجودة:-

- ضمان توافق جميع الخدمات والمنتجات (المشاريع) التي تقدمها الشركة مع متطلبات زبائننا.
- توفير ودعم الموارد المطلوبة لإنجاز المنتج وفقاً للمتطلبات.
- توطيد العلاقات مع الموردين والشركاء لتعزيز وتسهيل تبادل المعلومات بغرض تحسين كفاءة وفعالية العمليات.
- مواصلة تطوير كفاءة وفعالية عملياتنا باستمرار وتحسين جودة المنتج.
- تدريب وتطوير موظفي الشركة لتنفيذ العمل بجودة وفهم نظام الجودة مع تركيز خاص على العمالة المحلية.
- ضمان التوعية بالجودة في جميع مستويات الشركة.
- ضمان إنجاز جميع متطلبات إدارة الشركة بما فيها الأيزو 9001:2008 ومراجعة نظام الأيزو باستمرار بغرض تحسين فاعليته.

هذه السياسة يجب أن توزع على جميع مواقع الشركة ويجب أن تعني كل موظف في الشركة.

HAWK International
Finance and Construction Co. Ltd

Health, Safety & Environmental Policy

HAWK International is committed to the achievement of the following health, safety and environmental objectives:

- Risk Assessment to prevent workplace hazards and pollution.
- Involve our employees and partners to create a safe workplace and protect the environment.
- Comply with the required Health, Safety & environmental laws and other regulations.
- Encourage the promotion of Health, Safety and Environmental awareness, throughout the management and workforce by means of instruction, training and supervision.
- Ensure that all Company management requirements, including those of EN ISO 14001:2004 and OHSAS 18001: 2007 are being fulfilled and that our processes are continually reviewed to avoid accidents, to reduce illness & injuries, and to prevent pollution.

This policy shall be distributed to all Company locations, and shall be the concern of each and every employee of the Company.

Mohammed A. A. Hezam

Company President and CEO

31 May, 2009

شركة هوك العالمية
للتموليل والإنشاءات المحدودة

سياسة البيئة والصحة والسلامة

هوك العالمية ملتزمة بإنجاز أهداف الصحة، السلامة والبيئة التالية:-

- تقييم المخاطر لمنع أخطار العمل وتلوثه.
- إشراك موظفينا وشركائنا من أجل خلق موقع عمل آمن وحماية البيئة.
- الالتزام بمتطلبات الصحة والسلامة والقوانين البيئية والأنظمة الأخرى.
- التشجيع لترويج الصحة والسلامة والوعي البيئي في كافة مستويات الإدارة والقوى العاملة من خلال وسائل التعليم والتدريب والإشراف.
- التأكد من أن كافة المتطلبات الإدارية للشركة بما في ذلك EN ISO 14001 : 2004 و OHSAS 18001 : 2007 يتم استيفائها وأن عملياتنا يتم مراجعتها بصفة مستمرة لتجنب الحوادث والتقليل من المرض والأضرار ومنع التلوث.

يجب توزيع هذه السياسة على جميع مواقع الشركة وأن يتم بها كل موظف في الشركة.

Head Office Address:

HAWK International Finance & Construction Co.Ltd.

Algiers Street

Opposite Sana'a Trade Center

P. O. Box 19876. Sana'a, Republic of Yemen

Tel. No.: +967-1-209626/7/8

Fax No.: +967-1-211182/211183

E-mail : info@hawkifc.com

HIFW Address

Name : HAWK International
Fabrication Workshop

Address : Al-Oyoun,
Mukalla City,
Republic of Yemen

Email : info@hawkifc.com

