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Electro Mechanical & Civil

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INTRODUCTION

Husain H. Al - Atwah Gen. Cont. Est. (HATCO) An ISO 9001-2008 company was formed in 2001 as a construction company providing **Construction Contracting Services** and **Turnkey** solution. Through the company's diversified knowledge and experience, it engages in a wide spectrum of construction services such as Mechanical, Electrical, Control & Instrumentation and Civil work. HATCO serves a wide range of clients varying from Oil and Gas, Petrochemical & Utility Sector and Private Plant.

HATCO is well managed by highly professional and qualified team, whose main objective is to achieve excellence and to exceed client expectations in related projects.

We have the ability to provide our clients with a full range of value added services and product.

VISION

Our Vision is to position HATCO as one of the Local Leader in the field of Electromechanical works and is committed to deliver superior services, quality products and fine innovative solutions to our Clients.

MISSION

To provide the highest level of service in Design, Engineering Installation & Commissioning in Mechanical, Electrical, Control and Instrumentation works while caring for our customers, employees and the environment. We strive to deliver innovative designs and tailored solution based on the needs of our customers. We strictly adhere to our safety guidelines, and work hard to provide a quality product, on time, and under budget.

ABOUT US

■ **HATCO** is engaged in Electro-Mechanical services to different reputed companies.

■ **LOCATION:** - We located in Abu Ali Street, Near Toyota, Jubail (<http://goo.gl/maps/mE26M>). This enables us more efficient and prominent in dealing with the requirements of our clients in short time.

■ **MANAGEMENT:** - We have a very good management supported by efficient and skilled marketing, operations and maintenance departments and we are capable of timely execution of any assignments successfully.

OBJECTIVE

The aim of setting up this project is to achieve technological excellence in Design, Engineering, Manufacturing of various works in Electro-Mechanical, Instrumentation along with Manufacturing of Process Tanks, Heavy & Medium Structures, piping work, Custom built process equipment's, General maintenance, Shutdown / Turnaround & Maintenance activities and Civil works also forms an integral part of the set-up.

OUR AFFILIATIONS:

■ **Gulf Fabrication Factory For Industry. (GULFAB)**

(For Metal Fabrication and Coating)

■ **Husain Hadi Atwah workshop**

(For Mechanical Seals, Pumps, Valves & Turning Job)

OUR VALUABLE VENDORS:

SAUDI ARAMCO

Vendor No.: 10042926



SABIC

Vendor No.: 0000506708



TASNEE

Vendor No.: 103569



GE POWER

Vendor No.: 10748905



SAUDI ELECTRICITY COMPANY

Vendor No.: 0005014067



MAA'DEN

Vendor No.: 38632



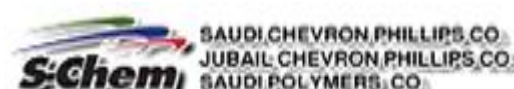
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S-CHEM: 138407



STAFF ORGANIZATION

HATCO is comprised of more than 300 personnel's of young energetic dedicated and well experienced people with excellent knowledge of industrial products and services.

Our staffs are our greatest asset. Considering the abilities of our staff we assign them to the right task and right environment. This is our assurance to maximum efficiency and productivity. We built our reputation by the timely and efficient work of our staff that our clients have benefited.

We always remember that our employees are the key to our success. We acknowledge the excellence and capabilities of our staff. We are able to add value to our service and our customer's satisfaction through their hard work and commitment.

HUSAIN HADI ATWAH GEN. CONTR. EST (HATCO)

AFFILIATED COMPANY

**HUSAIN H. ATWAH GENERAL
CONTRACTING ESTABLISHMENT
(HATCO)**

**GULF FABRICATION FACTORY
FOR INDUSTRY (GULFAB)
For Metal Fabrication & Coating**

**HUSAIN H. ATWAH WORKSHOP
For Mechanical Seals
(Super Industries)**

Contracting

Mechanical works
Electrical works
Industrial Maintenance
HVAC System Servicing
Civil Works

Steel Fabrication

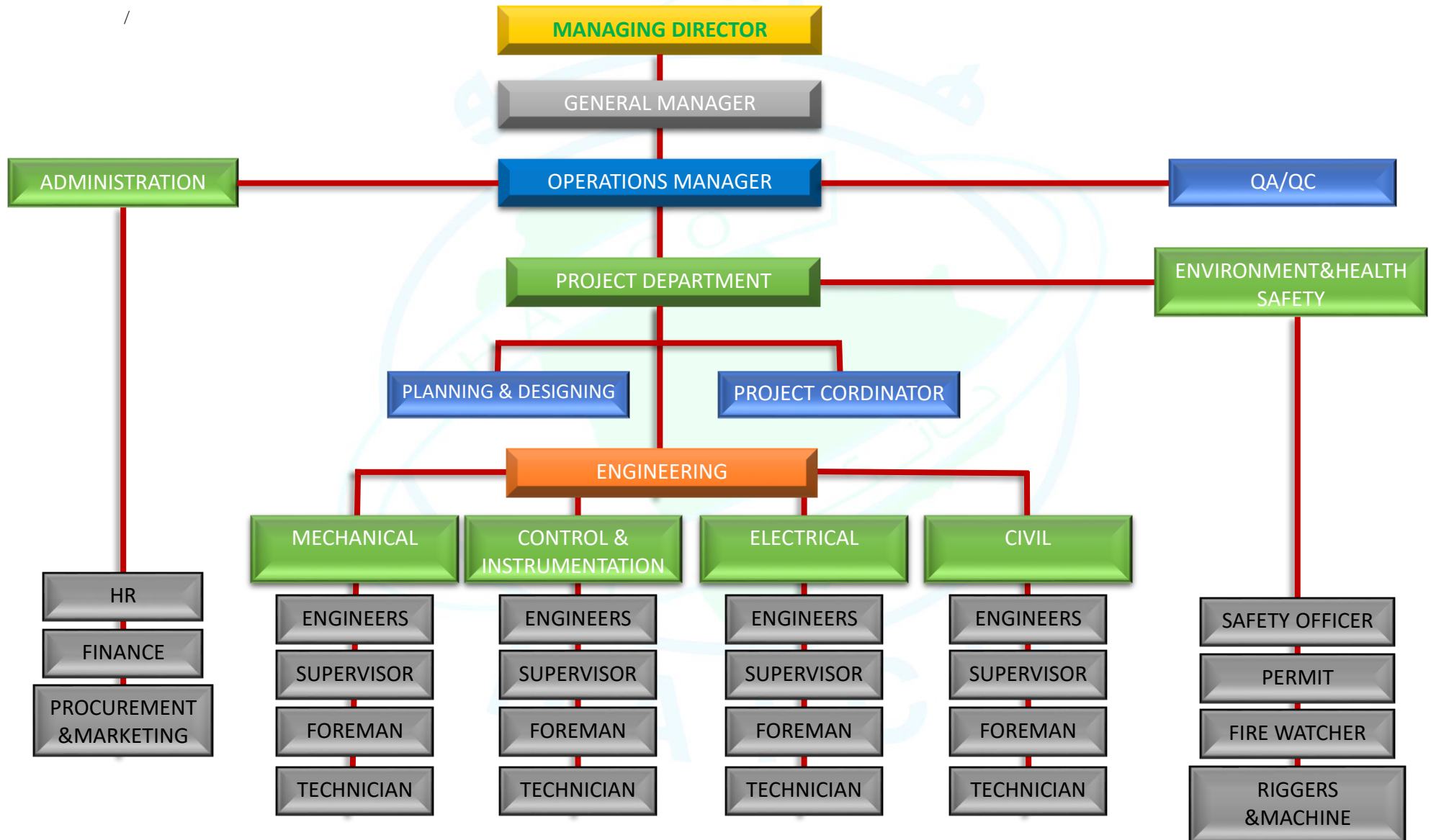
Tank & Vessels
Heavy / Light Steel Structure
Process Equipment & Steel
Structure
HVAC Duct Fabrication and
Repairs

Industrial Supplier

Mechanical Seals & Pumps
Chemical Process Pumps
Valves
Turnery
Spare Parts

HUSAIN ATWAH GEN. CONTR. EST (HATCO)

ORGANIZATION CHART



ISO 9001:2015



ISO 45001-2018



NATURE OF BUSINESS

Industrial Division

- Mechanical Works
- Fabrication, Erection & Commissioning
- Electrical Work
- Control and Instrumentation Works
- Industrial Maintenance
- HVAC System Servicing
- Insulation & Cladding
- **Bipolar Chlorination Cells Replacement Works in SWCC**

Fabrication Division:

- Process Tanks
- Storage Tanks
- Low and Medium Pressure Vessels
- Super Structure for Process Tanks and Equipment's.
- Process Plant Piping (Liquid and Gas lines)
- Pipe Rack
- Pipe Clamps for Various type
- Equipment Support Structure
- Chimney Stack & Structures.
- Incinerator Processing Equipment, Baghouse & Structure
- Platform, Handrails & Grating
- Aluminum Silos
- SS and CS Hooper's
- SS Cable tray
- Process Plant Air Ducts
- HVAC Duct Fabrication

Maintenance Division: -

- Short Term Service
- Long Term Services
- Rotating Equipment Maintenance Service

Supply Division: -

- Industrial Spare Parts (Mechanical Seals & Super Flow Pumps) Oil Seal Local & Overseas Equipment's.

Main Projects

- SABIC Affiliate Plants.
- Saudi Aramco Various Sites
- **SWCC Bipolar Chlorination Cells Replacement.**
- Saudi Electricity Company Power Plant
- Environment Preservation Co.
- Private Plants

Scope of Services

Electrical & Instrumentations

- Design Installation and Commissioning of Control Panels
- Installation and Configuration of Instruments (E&H, Rosemount & Siemens)
- Installation Transformers & Switchgear
- Power Panels & MCC Installation
- HV and LV Motor Installation
- Lighting System (Explosion proof type)
- Grounding & Lightning Arresters
- Fire Alarm Control System.
- Process, Controls & Measuring System
- Fiber Optic Cable Networks
- Telecommunication.

Civil:

- Earth filling & Compaction
- Equipment Foundations
- Plant Demolition & Maintenance

Construction Management:

- Construction planning & Scheduling.
- Quality Control.
- Safety Measures Control.
- Site Administration, Engineering, Supervision & Labor control.

Engineering details:

- Mechanical / Piping & HVAC.
- Electrical / Instrumentation / Control System.

Project Management:

- Project Planning & Schedule.
- Project Admin, Coordination & Documentation.
- Quality Control.
- Materials Control.
- Cost / Man-hour Control.
- Reporting System & Progress Measurement

Procurement

- Supplier Communication
- Cost Analysis,
- Logistics and performance Management
- Supplier Management and Liaison
- Quality Assurance.

CONTROL AND INSTRUMENTATION DIVISION

The scope of work covers all the activities starting from the feasibility study, engineering, supply of automation equipment, installation, testing & commissioning up to system hand over.

CAPABILITIES

- Front End Engineering Design
- Feasibility study for Technology Migration Implementation for obsolete plant system
- PLC Systems & Networking (Siemens S7400H, S7300, Rockwell Control Logix and Compact Logix, Schneider Electric M340 & M580 PLC's)
- SCADA & HMI Design and Integration (WinCC, TIA Portal, Factory Talk View ME&SE, Vejo Designer).
- Development of FDS, Instrumentation Engineering including Operational & Control Philosophy
- Preparation of panel diagrams, wiring diagrams, Hook up diagrams, Loop diagrams, Interconnection diagrams, cable layout & lists etc.
- PLC software development, Logic Preparation
- Factory Acceptance Test, Installation, Testing & Commissioning procedures, Site Acceptance Test.
- Electrical, Control & Instrumentation, Installation & Commissioning.
- As built drawings.

HATCO is deeply committed in close working relationship, to ensure a complete understanding of client's requirements, ensuring that the engineered solution uses the latest technology available.

Engineering Certificates

Certificate

FS Eng (TÜV Rheinland)

Functional Safety Engineer (TÜV Rheinland)

Application Area

Safety Instrumented Systems

ID-No.

11173/ 15

Certificate Owner

Jenson Joseph

Saudi Arabia

Course Provider

TVC Functional Safety Services

Training Contents

Process Safety Risk / Layers of Protection
International Safety Standards, Regulations, Enforcement
Safety Integrity Level (SIL) Assignment Methodologies
Safety Requirement Specifications (SRS) Development
Safety Integrity Level (SIL) Verification Methodologies
Management of Functional Safety
SIS Design and Good Engineering Practices

Issue Date

October 2015

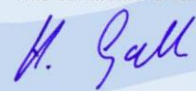
Expiry Date

October 2020

Validity

This certificate is valid for 5 years.

Cologne, October 2015


Dipl.-Ing. Heinz Gall

TÜV Rheinland
Industrie Service GmbH
Automation and Functional Safety
Am Grauen Stein
51105 Cologne - Germany

Head of TÜV Rheinland Functional Safety Program

www.tuvasi.com

 **TÜVRheinland®**
Precisely Right.

ELECTRICAL DIVISION

HATCO provides premier electrical contracting and maintenance for private and public sector in commercial industrial markets throughout the Eastern Province

Our electrical services include project management, design, supply, installation, testing plus commissioning and maintenance of electrical systems.

Our Electrical Division places a great emphasis on its relationship with clients, private or commercial, and pride ourselves on the ability to respond to your contracting requirements in an efficient and cost effective way

CAPABILITIES

1. Electrical Installation

- Installation of Control Panels, Switchgear and Motor Control Centers
- Installation of H2 Generators
- Supply and Installation of Cable Management System (Ladder, Trays, Trunking, Conduits, Covers and Accessories.)
- Installation of Lighting, Emergency Lighting and External Lighting

2. Electrical Testing and Inspection

- Calibration and Instrumentation Services
- Refurbishment
- Modification and Upgrading Electrical System
- Testing and Commissioning of Electrical Equipment's at site

ROTATING EQUIPMENT MAINTENANCE SERVICE

We bring world class maintenance experts to work on your machine, maximize its operability and maintainability by the best practice and innovative ideas.

- Compressors and Turbines:

Scope includes:

- Inspection, maintenance, repair, modification and complete overhaul
- Root cause analysis and sustainable solutions
- Vibration measurement, lubrication, balancing and cleaning
- Inspection, maintenance, repair and modification of ancillary equipment

Pumps:

Scope includes:

- First line maintenance
- Pump maintenance, repair and overhaul, at repair shop and at customer site
- Condition monitoring
- Quick response on urgent needs as maintenance team is available close to the industrial area.
- Assembly unit for different types of centrifugal pumps.
- Machine shop with adequate facility for spare parts repair.

BOILER EQUIPMENT MAINTENANCE SERVICE

1. Boiler Maintenance Service:

We can serve clients as a turnkey service provider for Boiler maintenance and repairs and can provide the best practices and innovative solution to help maintaining and improving the performance of boilers.

Scope includes:

- Boiler inspections
- Boiler overhaul
- Boiler modifications as per engineering standards and client requirements
- Efficiency and performance studies
- Root Cause Failure Analysis
- Residual Life Assessment (RLA)
- Planned turnkey maintenance
- Cleaning
- Re-tubing

FABRICATION DIVISION

GULF FABRICATION FOR INDUSTRY(GULFAB)

Quality is embedded in the service with strictly managed and monitored production processes applied at every stage. Our fabrication and Coating division already settled in a high standard.

We are warmly greeting our customers throughout the GCC with our high-quality products, good credit and the best services.

CAPABILITIES

- **Fabrication and Installation of Carbon Steel and Stainless Steel – Vessels • Process Tanks • Storage Tanks • Process Equipment's.**
- **Stainless Steel and Carbon Steel Piping Works; • Pressure Line • Chemical Lines • Air Lines & Air Ducts**
- **Fabrication and Installation of Heavy and medium Steel Structure.**
- **Fabrication and Installation of Heavy and Medium Equipment Foundation.**
- **Insinator System • Combustion Chamber • Coolers • Super Structure • Stacks • Baghouse • Chimney Stack Structure.**
- **Machining: Turning, Milling, Shaping, Bending, Rolling and Drilling.**

Specialized in Expansion Bellow Metallic and Fabrics Replacement Jobs specified by SF Pathway.

HVAC DIVISION:

HATCO engineers and technicians are available to carry out all sites HVAC works including surveys, commissioning, installation and supervision on systems supplied by others. Please contact our engineering/sales department for a complete quotation covering all aspects of your HVAC requirements.

CAPABILITIES

- Surveys and Inspection
- Supply and installation
- We can install a whole new industrial HVAC system based on customer requirements which includes fabrication of duct and other related accessories
- HVAC System Commissioning and Air Balancing
- Maintenance of existing HVAC system.
- We offer a comprehensive ad-hoc repair, refurbishment and maintenance services from filter clean to a planned maintenance programs.
- Duct and Equipment Leakage Testing

EQUIPMENT'S PROFILE

Our wide range of machineries and equipment's has given much enhanced execution of our projects and more savings not only in time but in workforce as well, resulting into a much satisfied and gratified clients.

| | Description |
|---|---|
| 1 | FABRICATION EQUIPMENTS PROFILE <ul style="list-style-type: none">• Shearing Machines Heavy duty CNC• Rolling Machines Heavy duty CNC• Plasma Cutting Machine CNC (Bed Size 12 x 3 mtr, cutting thickness 150mm CS)• Plasma Cutting Machine CNC (Bed Size 3 x 3 mtr, cutting thickness 45mm CS)• Bending Machines Heavy Duty CNC• Lathe Machines CNC• Milling Machine CNC (Victory 360L Bed Size 1600x360mm)• Band saw Machines, Heavy, Medium & Small• Pipe Beveling Machines Heavy Duty• Plate Beveling Machines Heavy Duty• Pipe Notching Machines Heavy Duty• Pipe and Rod Threading Machines Heavy Duty• Hydraulic Press Machine 180 Ton• Power Generators.• Welding Generators (Miller, Lincoln Brand)• Electrical Welding Machines (Miller, Esab & Lincoln) Heavy Duty• Plasma Welding Machines• MIG Welding Machines.• Aluminum Welding Machines• Concreate Cutting Machines and Coring Machine (Hilti Brand) Heavy Duty• Jack Hammers, Heavy and medium Types• Air Compressors.• Pipe Gas Cutter.• Gas Cutting Machines• Airless Type Painting Machine.• Magnetic Drilling Machines.• High Speed Cutters.• Overhead Crane 10 Ton Capacity |

| | |
|---|---|
| | <ul style="list-style-type: none"> Hydraulic Jacks Heavy Duty 110 Ton. (2 Nos) Hydraulic Jacks Medium and Small |
| 2 | VEHICLE PROFILE <ul style="list-style-type: none"> Mobile Crane 60 Ton Capacity Boom Truck 15 Ton Capacity Man lift 80 feet Capacity Loader Fork Lift 8 and 5 Ton Capacity Trailers Small Trucks Bus 50 Seaters Bus 35 Seaters |
| 3 | TESTING INSTRUMENTS PROFILE <ul style="list-style-type: none"> Master Level Magnetic Dial Gauge with Indicator Precision Square level Vacuum Testers for Steel Tank Eleco Meter Metal Thickness Tester Laser Distance Checking Machine Torque Wrenches, Heavy and Medium Duty Meager Fluke Multi Meter Vernier Caliper Digital & Manual Hydrotest Pump 300 Bar |
| 4 | PROJECT EQUIPMENTS PROFILE <ul style="list-style-type: none"> Total Station Level Instrument Chain Levers, 10, 5, 3, 2 and 1 Ton |

SUPPLEMENTARY INFORMATION

The Management and its technical experts had raised HATCO gradually and assumed a higher level of capability and technical know-how to undertake various projects dealing in works, Mechanical, Electrical & Instrumentation, HVAC, Civil works, , Steel Structural Fabrication, Erection jobs and. Likewise, HATCO deals with companies in their needs for short form projects, such as QURAYYAH Power Plant, MARAFIQ (Yanbu) , Saudi Iron & Steel Co.(HADEED) Mada Nonwovens (Al Rajhi Holding Company), Arrar Power Plant, Saudi Kayan , IBN Sina, CHEMANOL, Dermabit Waterproofing Industries (DWI),United Gulf Steel Mills, SADARA, SASREF and BeeA'h (Insinuator Plant III)

HATCO has employed a group of technical manpower who are well experienced and competent in their respective field of construction endeavors. The Engineers down the line to the skilled workers has been in different companies for several years in the Kingdom to gain the experience and needed know-how.

With all the experience of the engineers and the skilled workers who are presently employed with HATCO, we can guarantee, that we can do any type of Fabrication works, either vertical or horizontal as per standard required with Quality and at the right time as per schedule.

We have an adequate pool of equipment at the disposal of our well trained Operators, to perform at the job sites, back-up by well-organized manpower to ensure the efficient completion of the project at the right time.

Our site personnel and office staff are provided with adequate transportation and communication equipment to assure instant accessibility and mobility to ensure unhampered flow of co-ordination and efficient performance of the job.

Health, Safety & Environmental Policy Statement

HUSAIN HADI ATWAH GENERAL CONTRACTING EST recognizes its Duty of Care and commits itself to the identification, management and control of any potential health and safety hazard that may effect on employees or other interested parties within the company premises. HUSAIN HADI ATWAH GENERAL CONTRACTING EST also considers Environmental Management to be a high corporate priority.

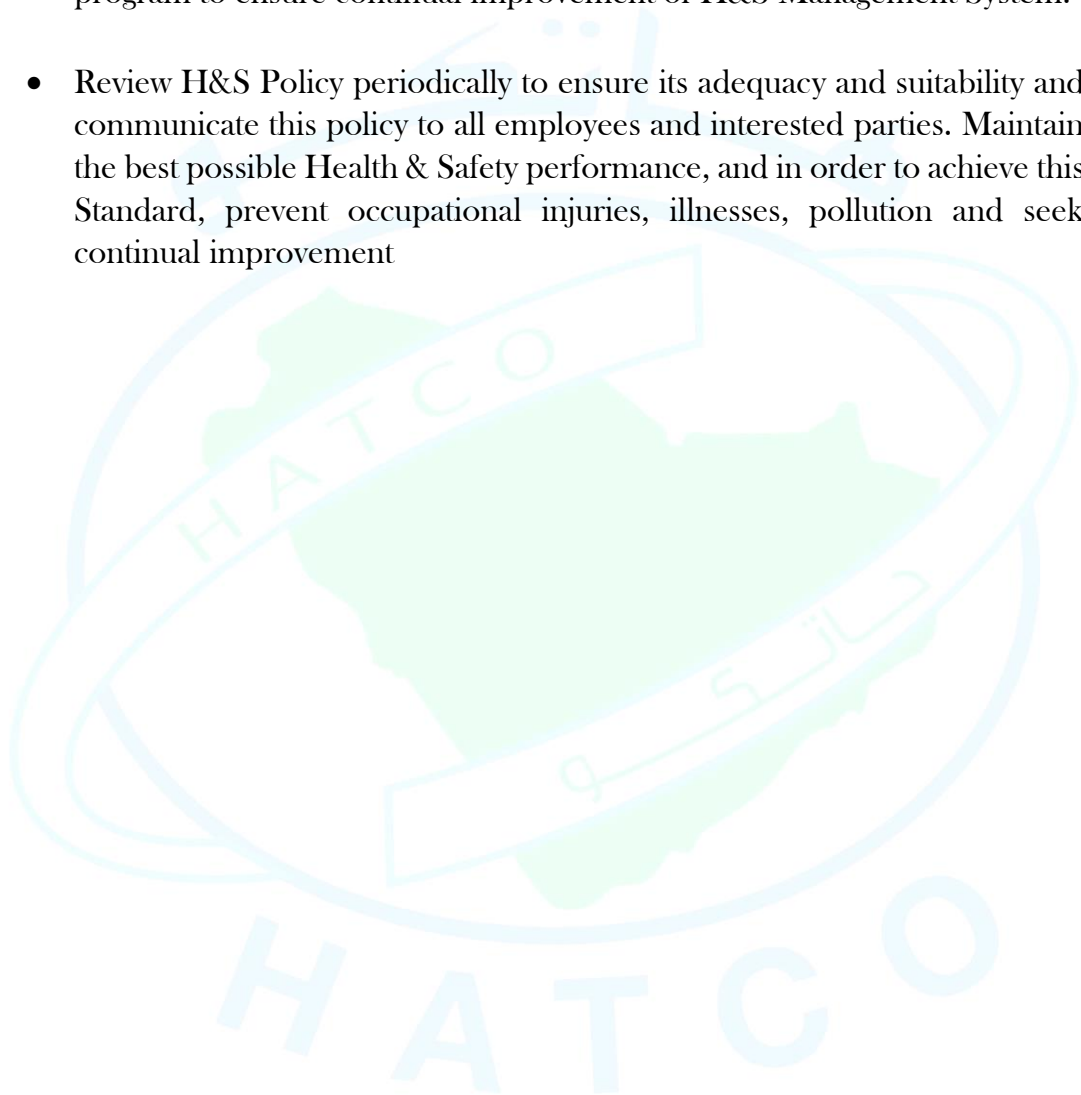
HUSAIN HADI ATWAH GENERAL CONTRACTING EST will take proactive approach towards creating safe working environments for all its employees and others involved in their work activities and will promote continued safety education and training for all employees, assigning responsibility for all aspects of Health Safety and Environment (HSE) Policy, continuously reviewing potential areas of improvement and ensuring through evaluation of all incidents.

HUSAIN HADI ATWAH GENERAL CONTRACTING EST will continue to address any potential environmental and/or health impacts of our operations by reducing waste, emissions and discharger and by using energy efficiently.

HUSAIN HADI ATWAH GENERAL CONTRACTING EST will facilitate the implementation of the HSE Policy by having HSE training and competency in place. This HSE MS will encourage continual improvement of HSE performance through definition of roles and responsibilities at all levels in the organization and an efficient communication structure. HATCO is fully committed to;

- Provide safe and healthy conditions and reduce injuries and illnesses to the lowest possible level. No task is so important and no service is so urgent that it cannot be done safely.
- Comply with local and international regulations, including other regulations to which HATCO is subscribed, provided for Occupational health and occupational safety, related to its operational activities.
- Provide information and training to the employees including, where applicable, contractors and protect employees from any health and safety hazards and their Risk arising from operations and events at the work place.
- Install and maintain facilities and equipment in accordance with recognized and accepted standards essential to reduce or prevent exposure to hazards by workmen, plant & equipment.

- Provide appropriate personal protective equipment to all employees at the Company expense when engineering controls are not adequate to minimize exposure to OH&S Hazard and related Risks.
- Provide medical services as required by law and as may be dictated by existing circumstances or programs.
- Establish, implement and maintain measurable objectives and targets program to ensure continual improvement of H&S Management System.
- Review H&S Policy periodically to ensure its adequacy and suitability and communicate this policy to all employees and interested parties. Maintain the best possible Health & Safety performance, and in order to achieve this Standard, prevent occupational injuries, illnesses, pollution and seek continual improvement



PROJECTS & CLIENTS

QURAYYAH PLANT

Type of Works: Installation of H2 Generator

Installation of Hydrogen Generator

Leveling of foundation by plates.

Locate & Install foundation bolts as per requirements of new Generator.

Place & Secure the new Generator on the Foundation. Connect existing Gas, Water & Electrical power & control connections to new Generator.

Testing of pipe lines (Hydro test) & Electrical loop. Supply and fabrication of water coolant Inlet & Outlet Line with Valves. (1" CS)

Supply and fabrication, Installation of SS Tubing which is connected to Generator and existing piping

Installation of Hydrogen Generator

Disconnect all Flanges connecting to the Generator Skid

Loosen the Foundation bolts of the Generator

Lift the generator frame from foundation & deliver to the customer Ware house / Yard

Repair the foundation in case of cracks & prepare for installation of the Generator

Locate & Install foundation bolts as per requirements of new Generator

Place & Secure the new Generator on the Foundation. Connect existing Gas, Water & Electrical power & control connections to new Generator

MARAFIQ, Yanbu (Replacement of Hydrogen Generator Plant)



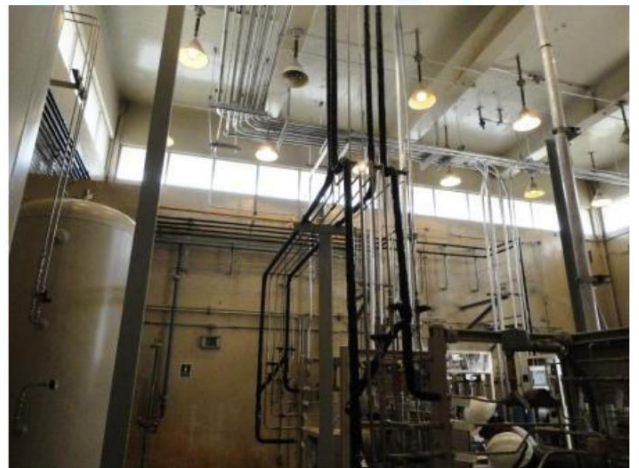
▲ Installation of Annunciator Panel Board

◀ Installation of Machines



▲ Instrumentation Works

Tubing for High Pressure Vessels ►



▲ Tubing, Insulation & Conduit Work



SCECO - QURAYYAH POWER PLANT

Type of Works: Replacement of Hydrogen Compressor at plant.

Dismantling & Installation of compressor (Hydrogen Compressor)

Dismantling of old H₂ compressor

Disconnect all flanges connecting to the compressor skid & that for the bypass valve.

List the compressor frame from foundation and deliver to the customer warehouse / yard.

High pressure and low pressure SS tubing.

Electrical and instrumentations work.

Locate & install foundation bolts as per the requirements of new compressor.

Connect existing gas, water & electrical power & control connections to new compressor.

Testing of pipe lines (Hydro) & Electrical loop.

Supply and Laying Electrical Cable

Radiography Testing (Including Transport & Arrangements)

HADEED PLANT

Type of Works: Installation of New Hydrogen (H₂) Generator

Installation of new H₂ Generator unit at HADEED cold mill area.

Stainless Steel Tubing Works Supply, Fabrication & Installation of SS low pressure and high pressure tubing for interconnection of new H₂ unit & with plant piping.

Electrical job and instrumentation related to the new system.

MADA Nonwovens (Plant Expansion)



Erection of Equipment's and Structural Steel that will serve as platform for the new machines

Control Panel Installation, termination testing and commissioning support



ARAR POWER PLANT

Type of Works: Installation of fuel treatment system

Dismantling works.

Existing treatment system

Dismantling of old pumping skid

Dismantling of old boiler unit

Dismantling of old control cabinets

Installation of new distillate treatment system

Mechanical Works.

Electrical & Instrumentation works.

Fabrication and installation of piping.

Supply and installation of 10-ton overhead chain pulley block with rails.

Firefighting safety system with sprinklers supply and installation of firefighting safety system, smoke detectors and fire alarm.

Common drain line with flexible hoses to be fabricated and connected for the new separator skid for all the drain points.

Testing and commissioning

ARAR POWER PLANT (PIPING JOBS)



SAUDI KAYAN

Type of Works: Instrument & Electrical Cable Re Routing

Civil Work:

Compaction, Compaction Test

Shuttering for Footing, rebar cutting & bending for footing & pedestal

Installation of Shuttering and Reinforcement Plus

Concrete

Bitumen Coating of Footing with Pedestal

Backfilling & Compaction

Mechanical:

Steel Structure Fabrication

Erection of Steel Structure

Electrical / Instrumentation

Installation of Cable Tray

Cable Pulling

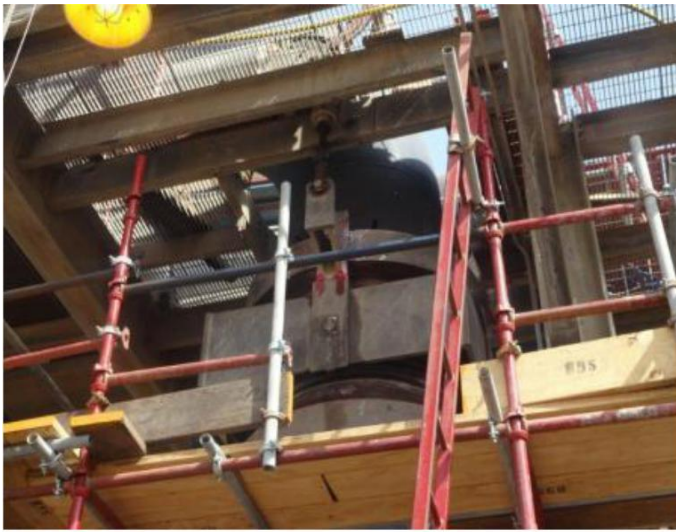
Cable Termination

Meggering, Loop Checking.

Testing Documentation Preparation.

IBN SINA Turnaround

Type of Works Replacement of 9Nos. Expansion Joint
(within 15 days)



▲ Replacement of Expansion Below Gimbaled Joint
42"Ø HC Line SS Pipeline. (4th Floor)



▲ Replacement of 42"Ø Air Line CS Pipeline
Assembly along with the Expansion Joint Below.
(4th Floor)



◀ Replacement of 84"Ø Air Line SS Pipeline
Assembly (Expansion Joint Assembly Weight: 3 tons).
(Ground Floor)



▼ Replacement of 78"Ø Air Line SS Pipeline
Assembly (Expansion Joint Assembly: 2.5 tons). (5th
Floor)

CHEMANOL / METHANOL

Type of Works:

Structural and pipe fabrication works

Plant Equipment Erections

Plant maintenance

Expansion work in factory

Various civil work like Foundation, dike walls, office room, land preparation.

Electrical & Instrumentations Works.

Office renovation works.

Site Development work

Asphalting works.

Water proofing works.



Installation of Cooling Tower Project - CHEMANOL

DERMABIT (DWI)

Type of Works:

Fabrication & installation of pre heater tanks.

Fabrication & installation of Stainless Steel Scrubber tanks.

Fabrication & installation of Cooling System & Storage tank

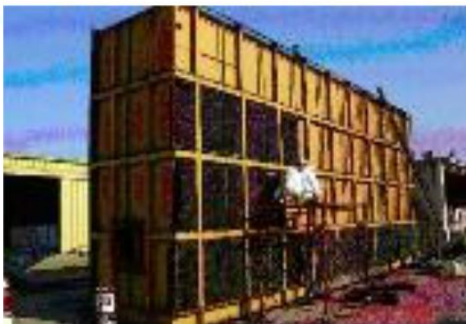
Fabrication of shredder machine foundation and erection.

Construction of dyke wall.

Fabrication and installation of hood for machine.

Fire water piping.

Fabrication and installation of boiler chiming.



Pre-Heater Tanks, Stainless Steel Scrubber
Tanks Job & Storage Tanks - DWI

DERMABIT (DWI)

Type of Works: Maintenance Job

DEMABIT (DWI)
(Facility Maintenance)



HATCO

UNITED GULF STEEL MILLS

Type of Works:

Various types of mechanical & civil jobs like equipment foundations constructing.

Construction of Control rooms

Fire water pipe line works.

Electrical works.

Water proofing works

Miscellaneous maintenance works.

SWCC

Type of Works: **Replacement of Bipolar Chlorination Cells.**

Remove all the piping connections connected to the cells.

Unbolt the frame of the cells from the existing foundation.

Remove the Frame and cell unit from the foundation using the overhead crane available in the location and using chain blocks

After cells are removed and slide to transport point the same shall be taken to the SWCC workshop.

Install the new cells.

Hydro test for the cells.

Install the cell in the existing foundation and proper alignment for the same will be done.

Reinstate the existing pipes to the cell,

EURO GULF CONSTRUCTION CHEMICALS CO. LTD.

Type of Works:

Construction of Euro Gulf Admin Building, Canteen Building & Guard House.
(Civil Works, Electrical Works, Plumbing Works, Fire Water piping, HVAC,
Site Portable Water System)

Installation of property line boundary wall / fencing at project site.

Provided Deputy Site Supervisor for Euro Gulf.

Supply, Fabrication & Erection for Resin plant.

Supply, Fabrication & Installation for Air compressor in the plant.

Maintaining the ware house area of Euro Gulf (Cleaning Painting, Column &
purling)

Painting of Admix plant shed structure, platform structure and storage tanks.

Assembly of horizontal monorail (Boom) for the jib crane in the plant.

Laying & termination of power cable in the plant.

Testing & Commissioning of Jib Cranes.

Supply & installation of Airline from Air compressor to Lab & Plant.

Modification of Admix Plant platform.

Installation of Fume Extraction System in the plant.



Euro Gulf Admin Building
(While under construction)

Euro Gulf Admin Building
(Finished Front Evaluation)



Euro Gulf Admin Building (Finished Interior)



HVAC - Projects:

MARAFIQ SWRO in SADARA Complex

Installation of Duct, insulation and Cladding

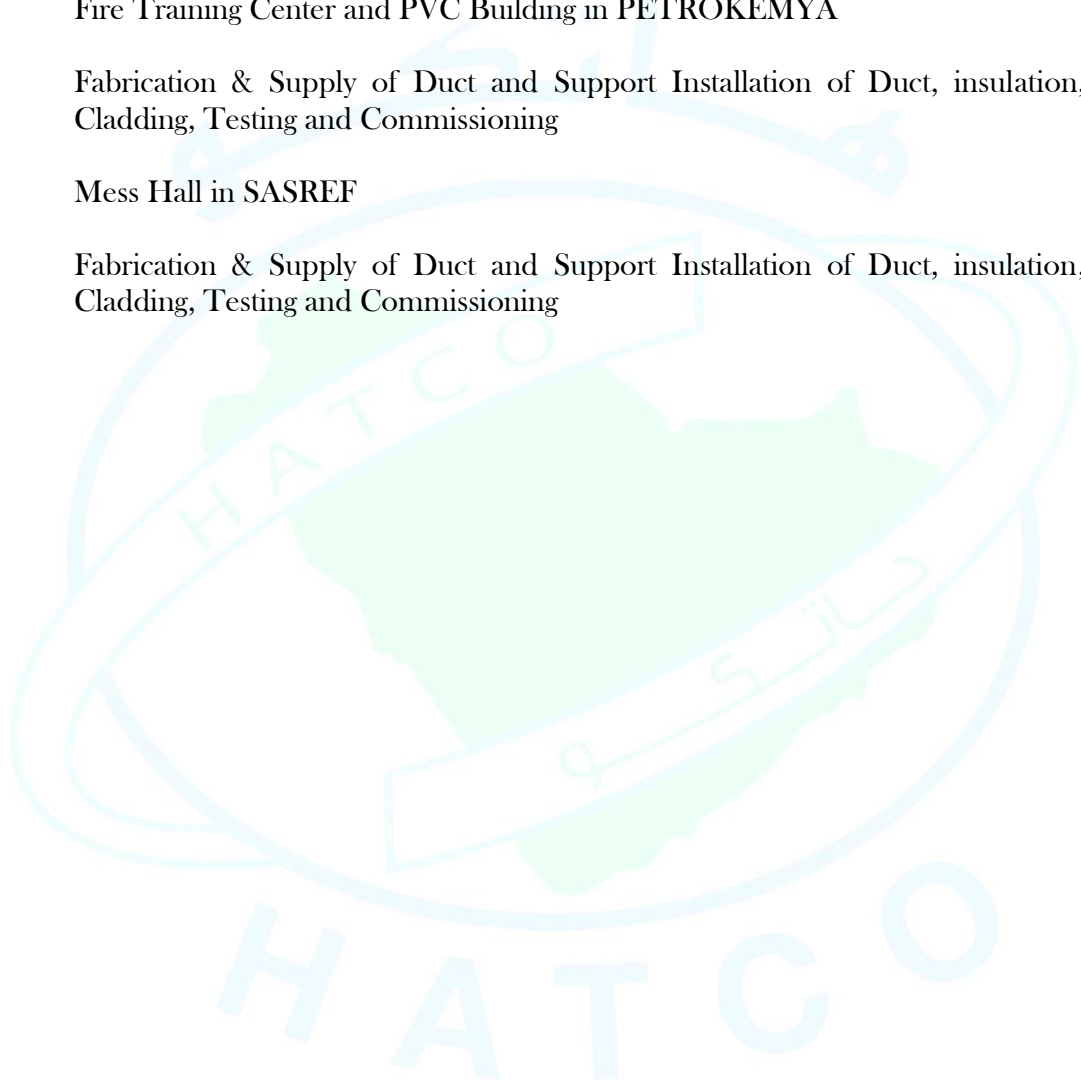
Aromatics MCC Building and Operator Building in SADARA Complex
Installation of Duct, insulation and Cladding

Fire Training Center and PVC Building in PETROKEMYA

Fabrication & Supply of Duct and Support Installation of Duct, insulation,
Cladding, Testing and Commissioning

Mess Hall in SASREF

Fabrication & Supply of Duct and Support Installation of Duct, insulation,
Cladding, Testing and Commissioning



SADARA COMPLEX:

Fabrication & Supply of Duct and Support
Installation of Duct, insulation and Cladding



Aromatics MCC Building in SADARA Complex.

BeeA'h -

1) Bag house replacement including Electrical & Instrumentation of Plant #2

Removal of Existing Cladding & Insulation.

Removal of individual components from Bottom Cone to Top Door.

Painting Jobs.

High temperature corrosion resistance coating to all gas contact surface.

Painting for New steel structure and other.

Scaffolding works.

Insulation and Aluminum cladding



Replacement of Baghouse including electrical & Instrumentation



Fabrication of Baghouse Panels



Erection of Hooper's



Out let duct connection



Bag house head Assly



Bag house head Assly



2) Hazardous Waste Incineration Facility Plant #3

Supply of all Materials

Fabrication of structural works, process tanks, baghouse, superstructure Pipe Racks, Piping Works

Assembly of Klin

Painting Jobs.

High temperature corrosion resistance coating to all gas contact surface.

Painting for New steel structure and other.

Erection of all equipment's, tanks, structural works at site.

Commissioning and Startup Activities.

Instruments onsite calibration and configuration.

MCC panel commissioning.





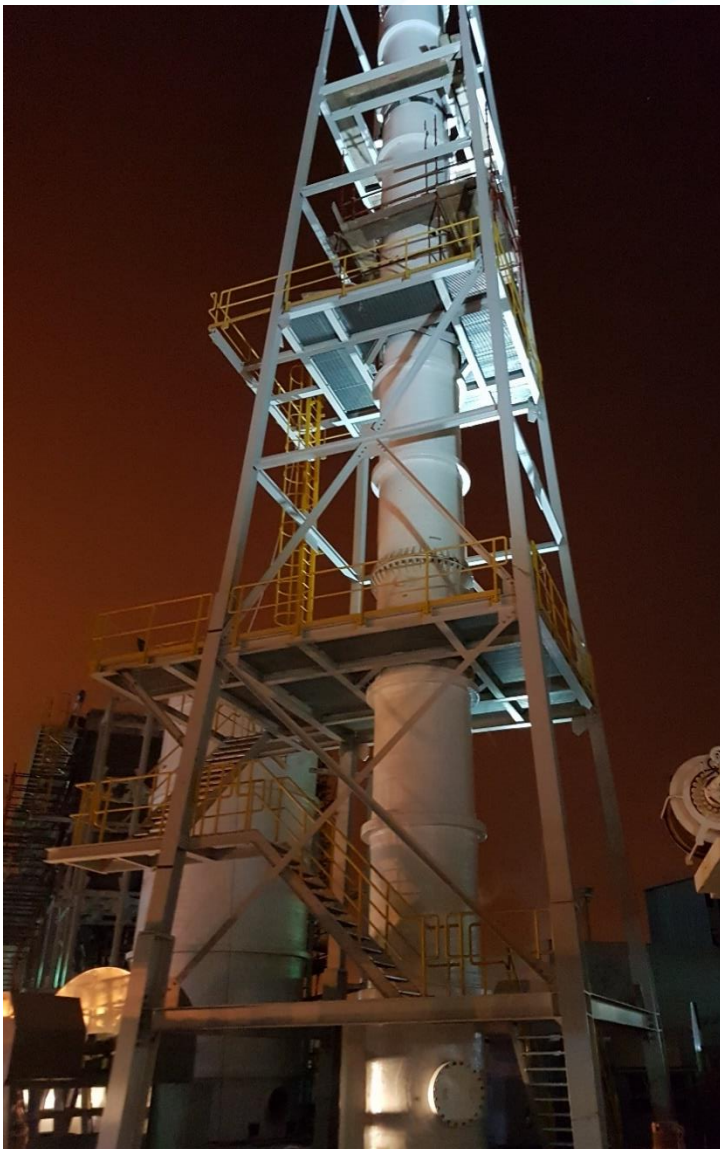
New Plant Erection in Progress.



Scrubber to Stack Assembly



Fabrication & Welding Kiln



Stack Pipe and Structure assembly and erection



Scrubber Tank and Structure
Assembly and Erection

OUR AFFILIATIONS

1. GULF FABRICATION FACTORY FOR INDUSTRY (GULFAB)

GULFAB, which specialized in Fabrication & Coating located at 3rd Support industrial area, Road No 112/106, in Royal Commission Jubail. (<http://goo.gl/maps/tz55z>)

Solution for manufacturers of industrial maintenance, repair, operating and production. Our main intension is to become one of the leading Contracting Companies with well experienced staff in the field metal fabrication. We have the ability to provide our clients with a full range of value added services and product



GULFAB FABRICATION SHOP





**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

GULF FABRICATION FACTORY FOR INDUSTRY
Unit 1, Rd 106
3rd Support Industrial Area
Royal Commission Jubail
Al Jubail 35729
Saudi Arabia
Acceptable Abbreviation: GULFAB

is authorized to use the R Symbol in accordance with the provisions of the National Board Inspection Code and NB-415, Accreditation of "R" Repair Organizations.

All activities within the scope of this Authorization shall be controlled by the above location.

The scope of this Authorization is limited to:

Metallic
Repairs and Alterations
At
Shop and Field Locations

Certification Number: 12122

Issue Date: January 18, 2023

Expiration Date: January 17, 2026

Executive Director



**CERTIFICATE OF
AUTHORIZATION**

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

GULF FABRICATION FACTORY FOR INDUSTRY
Unit 1, Rd 106
3rd Support Industrial Area
Royal Commission Jubail
Al Jubail 35729
Saudi Arabia

SCOPE:

Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location

AUTHORIZED: January 15, 2023

EXPIRES: January 15, 2026

CERTIFICATE NUMBER: 60606

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services

The American Society of Mechanical Engineers



CERTIFICATE OF
AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

GULF FABRICATION FACTORY FOR INDUSTRY

Unit 1, Rd 106
3rd Support Industrial Area
Royal Commission Jubail
Al Jubail 35729
Saudi Arabia

SCOPE:

Manufacture and assembly of power boilers at the above
location and field sites controlled by the above location

AUTHORIZED: January 15, 2023

EXPIRES: January 15, 2026

CERTIFICATE NUMBER: 60607

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services

CERTIFICATE OF
AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

GULF FABRICATION FACTORY FOR INDUSTRY

Unit 1, Rd 106
3rd Support Industrial Area
Royal Commission Jubail
Al Jubail 35729
Saudi Arabia

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled
by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: January 15, 2023

EXPIRES: January 15, 2026

CERTIFICATE NUMBER: 60608

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services





CS & SS Pipe fabrication completed



Phase Separation Tank



FGE & AW tank dish fabrication



After Burner/Secondary Combusting Chamber fabrication



Cooler Lower Part



Cooler Lower Part



Cooler Middle part



Cooler Middle part



200m³ Water Storage tank



Emergency Vent Assembly Y



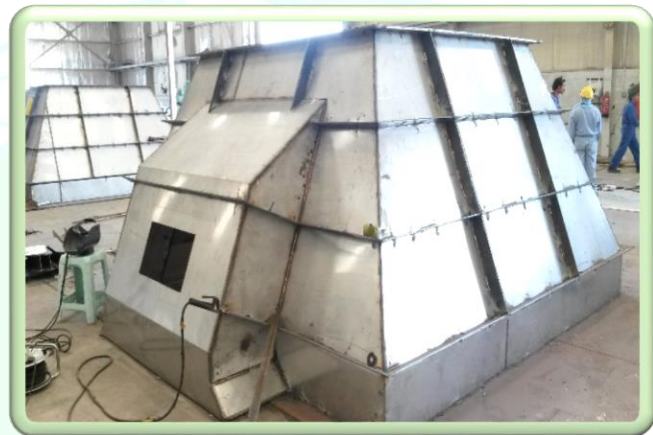
LIME SILO



PHASE SEPERATION TANK (SS316I)



BAG HOUSE



HOOPER



FGE & AW TANKS



INTERMEDIATE DUCTS

COOLER FABRICATION AND ERECTION



2. HUSAIN HADI ATWAH WORKSHOP

(For Mechanical Seals & Turnery)

Super Mechanical Seal Pvt. Ltd.:

Super Mechanical Seal Pvt. Ltd. an ISO 9001:2000 certified company (Established in 1997) has always strived to present the latest “Seal Technology” at Unbelievable Price and great Value added Services to the people we treasure the most like you.

We take this opportunity to introduce ourselves as a leading organization having two-and-half decades of experience in the field of designing and manufacturing of International Quality Mechanical Seals with Proven Performance Capability meeting the requirements of both Domestic as well as International Market.

SUPER’s high quality oriented “Mechanical Seals” are suitably designed to fit into every Rotating Equipment like Pumps, Agitators, Mixers, Blowers Compressors etc. catering the needs of virtually all segments of Industries such as- Chemicals, Fertilizers, Petrochemicals, Refineries, Power Stations, Solvent Extraction Plant

Textile & Sugar Industries, handling all kinds of fluids like Acids, Chemicals, Hazardous Corrosive Slurries etc. operating under different temperature and pressure conditions.

We have highly qualified and technically trained Engineers in Design & Development as well as Quality Control Department engaged in continuous development to ensure the best quality and

Our Company has a well-established Ultra-Modern Manufacturing Plant at Navi Mumbai having 12000 Sq. Ft. operational areas with enough spare capacity for enormous future expansion and to provide a continuous innovative product with Total Customer Satisfaction.

We now look forward to our mutual beneficial Business Association to cater your existing and future requirements of Quality Concept Mechanical Seals and look ahead to get ourselves enlisted in your Approved Vendor List.



3. SUPER INDUSTRIES

(Mechanical Seals & Super Flow Pumps)

Our first company Super Industries was established in 1976 with a high spirit and ambitious to manufacture Mechanical Seals and confirm that "Superb is our nature and Excellence is our habit". Truly speaking, during our business, we extracted the inspiration from every challenge we faced and replaced our competitors rather than competing them by presenting innovative solutions to our clients backed by sustained research – efforts. We amaze our customers with products and services that could scarcely be imagined and that is the major force which today drove us this far to form SUPER GROUP. For more information about us kindly log-on to www.superindustries.co.in

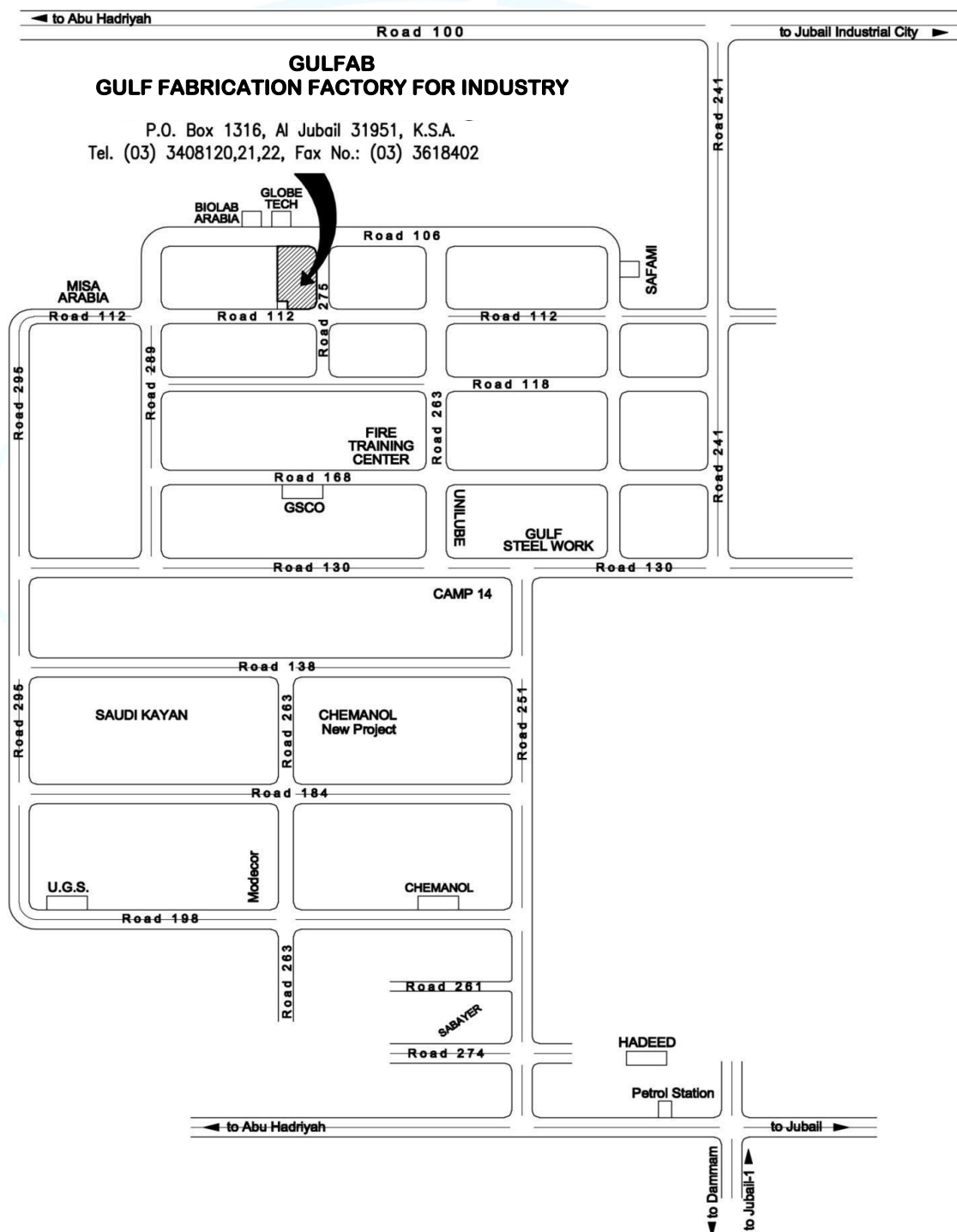


Al Jubail Workshop for Pumps

GULFAB - Facility Location



<http://goo.gl/maps/tz55z>



HATCO Office & HATCO Workshop Location

<http://goo.gl/maps/mE26M>

