



*Customized Energy
Engineering
Solutions*



A MAZRUI
ENERGY SERVICES
COMPANY

Overview

Sigma Engineering Works has established itself as a leading one-stop solutions provider and trusted partner for a wide range of engineering services, including fabrication, manufacturing, machining service and repair, and other services for the Oil & Gas, Maritime, Petrochemical, Power Generation, and Utility sectors in the United Arab Emirates and the Middle East region for more than two decades.

Sigma Engineering Works has a long history of operational excellence, and has earned a solid reputation for:

-  High Quality
-  Cost-effective Solutions
-  Customer Service Excellence
-  Customer Orientation
-  Operational Excellence
-  Partner of choice for global & local energy specialists
-  Speed to Market
-  Advanced Facility Technical Know-how
-  International Team of Competent Experts
-  In-Country Value



As a result of its strategic location in the United Arab Emirates, Sigma Engineering Works has a vast service reach throughout the Middle East and beyond.

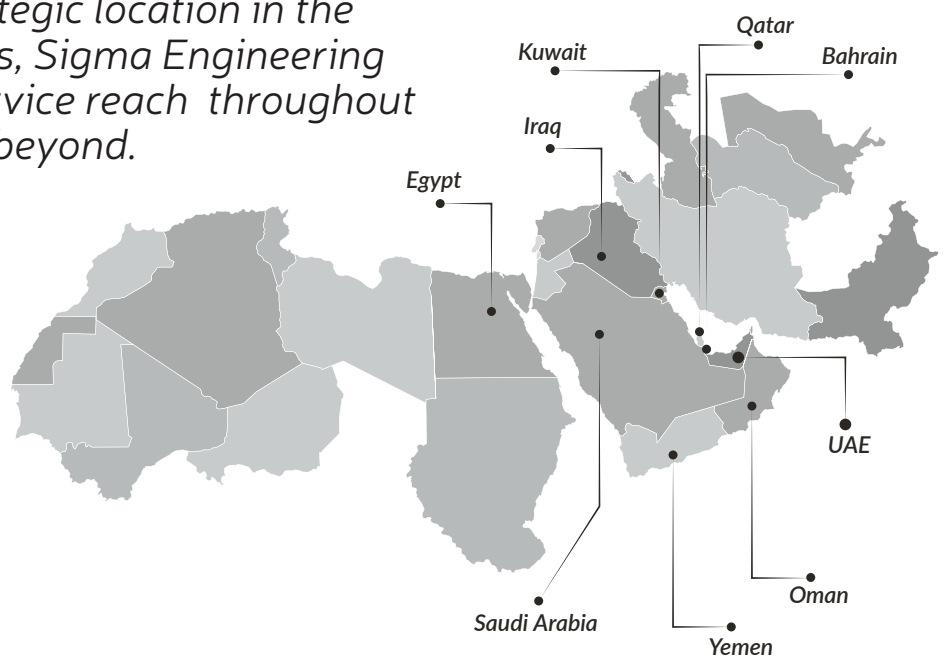
Strategic Joint Ventures:

- Gas**

- Pipe**

- Nuclear Industry**

- Advanced Machining**

● Headquarters ● Operations

Our Value Proposition

Sigma Engineering Works has established and implemented a QHSE operational management system that sits at the core of our energy sector business practices as part of its objective to grow sustainability.

We adhere to international best practices and are diligent when it comes to quality, health, safety, and the environment regulations and procedures.



International Licenses

API - 5CT	Covering Casing and Tubing
API - 6A	Covering Wellhead and Christmas Tree Equipment
API - 7-1	Covering Rotary Drill Stem Elements Covering Drill Through Equipment
API - 16A	Covering Choke and Kill Systems
API - 16C	Covering the Manufacture of Pressure Vessels Div 1 & Div 2 with ASME U & U2 designator
ASME U	Authorized to use "R" symbol for metallic repairs and alterations at site and for field repairs
R Stamp	Authorized to use the "NB" stamp to mark and register boilers, pressure vessels and other pressure retaining items
NB	



Quality Management Certificates

ISO 9001 - 2015	Quality Management Requirements
ISO 14001 - 2015	Environment Management System
ISO 45001 - 2018	Occupational Health and Safety Management
API - Q1 9th Edition	Specifications for Quality Programs for Petroleum, Petrochemical and Natural gas Industry
API - Q2 -0145	Provision of Casing Cold Cutting, Beveling, and welding Services

Approved ADNOC supplier under pressure vessel category upto 38 mm (CS/SS/AS/Clad)



We provide local competence to support our international partners.



Our facilities occupy over 30,000 sq. Meters combined over locations in Mussafah, Abu Dhabi and Jebel Ali, Dubai.



We are fully accredited and qualified to engineer, machine, manufacture, and protective surface finish a full range of products to customer specifications.

Our Value Proposition

Sigma Engineering Works offers a broad variety of engineering services to organizations in the Oil & Gas industry as well as the nuclear energy, renewable energy, maritime, petrochemical, power generation, and utility industries.

We are fully accredited and qualified to engineer, machine, and produce a broad range of services to fulfill the customer requirements such as:



API Manufacturing
Machining



Fabrication
& Associated
Engineering
Services



Refurbishment
& Re-certification



Non-API Manufacturing
/ Machining



Rig Equipment
Maintenance



Field
Services



Coating
Services



Inspection
Services



Workshop
Support



Nuclear Energy
Services

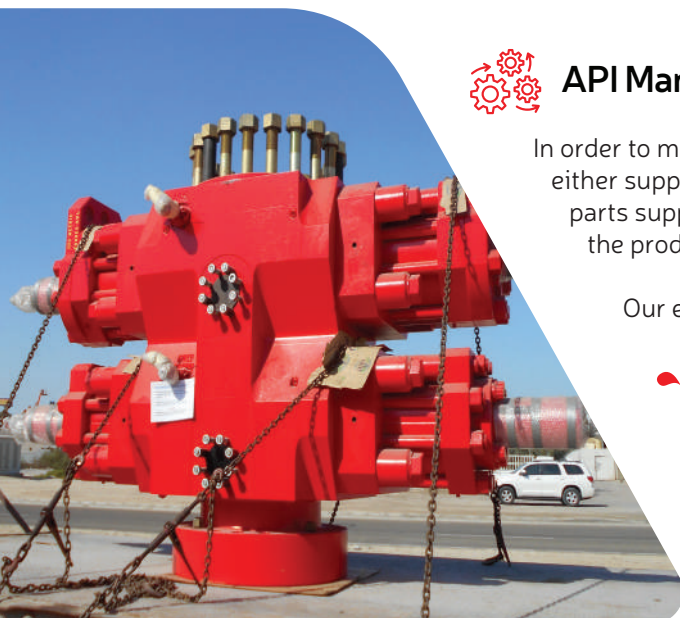


API Manufacturing / Machining

In order to meet the needs of our clients, we manufacture components from either supplied or approved drawings, which are developed and derived from parts supplied as samples. It is important to note that all materials utilized in the production process are certified and fully traceable.

Our expertise is manufacturing API Monogram new parts unclosing:

- Elbows | Trees | Crosses | API Flanges | Crossovers | Spools
- Double studded adapter flanges
- Risers
- Process piping spools
- Choke & Kill Manifold, Standpipe manifold, Cement manifold





Fabrication and Associated Engineering Services

Our ability to fabricate all material grades, including carbon steels, low alloy steels, stainless steels, nickel & copper alloys, and all required QHSE certifications is enhanced by the availability of available resources, technical experts, certification in ASME, U Stamp, NB Stamp, and all required QHSE certifications.



- Fabrication of steel structures – main & auxiliary, pipe spools CS/SS/AS, skid packages
- Fabrication of rig mast structures, flare stack, mud tanks systems, rig related support facilities
- Fabrication of ASME U & U2 stamped vessels
- Fabrication of process skids like 2 & 3 phase separators, MPFM skids, Surge tanks skids,
- Fabrication of columns, storage tanks, Crane Boom
- Fabrication, Assembly and Testing of metering, chemical injection skid packages
- Welding & weld overlay (Cladding) of bores 2"- 60" diameter
- Packaging of pumps, motors for skid mounted packages
- Shot blast and painting with certification by our qualified painting inspectors
- Ceram-Kote specialized paint / coating material



Refurbishment and Re-certification

Our tailor-made Refurbishment and Re-certification services include:

Oilfield Drilling & Production (Onshore / Offshore)

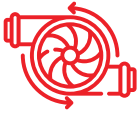
- Repair and refurbishment of Blowout Preventers (BOP), Diverters, X-mas Trees, API & ANSI Valves, confirming to the original manufacturer's specifications.
- We have expertise in doing stack up test for BOP and wellhead systems.
- Manufacture and repair of Control Manifolds. Manufacture, service, and repair of Hydraulic Control Panels. Repair and services of accumulator racks.

Refinery, Oil & Gas Production

- Overhaul, repair, testing and certifying of Isolation and Control Valves, including supply of original manufacturers' spare parts.
- Testing, servicing, and certifying of Pressure Safety Valves and safety Relief Valves, Direct-Acting and Pilot-Operated types.
- Overhaul, service, repair, calibrating and certifying of pneumatic/hydraulic operated Control Valves.

Rotating Equipment (Repair)

- Offshore pump risers, Centrifugal pump bodies, Rotating elements, Impeller trimming, Static and dynamic balancing, Rework of locating spigots.



Non-API Manufacturing / Machining

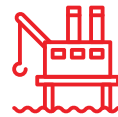
- Manufacturing and machining of Non-API products like ANSI flanges, Pipe machining, cladding, Pipe flanges machining, Sand filters etc.
- Flanges i.e. Weld neck, slip on, Socket weld, Threaded, Instrument, Companion, VRP protector, Target, Test and Blind flanges.
- Parts for rotating equipment i.e. Shafts, Sleeves, Casing wear rings, Impeller wear rings, Couplings etc.



Field Services

We are assisting our customer with site activities such as installation, welding, and testing on site, as well as a variety of other tasks, including but not limited to:

- Diverter testing
- Cold Cutting, bevelling, and welding
- DTO installation



Rig Equipment Maintenance

Sigma is a registered service provider for major Oil & Gas companies in UAE and across the Middle East. We are committed to providing the highest level of service quality to our customers' equipment under maintenance both onboard and at our regional workshops. We provide quality, cost-effective solutions delivered safely and on time by our experienced team.

Sigma provides services for drilling equipment not limited to but includes the following:

- Mud Pumps
- Draw works
- Rotary Tables
- Crown Blocks
- Traveling Blocks
- Deadline Anchors
- High Pressure Manifolds
- Well Control Equipment – BOP Stacks, Diverters, Control Units, Choke and Kill Manifolds
- Rig Cranes
- Braden Winches
- RAM Winches & Hoist
- Mud Cooling System

With Services Including:

- Inspection, Disassembly, Dimensional and NDT Checks
- Mechanical Repairs to Agreed Scope



Coating Services

Internal and external coating service as per client requirement which includes:

- Epoxy Coating
- Polyurethane Coating
- Pipes / Fittings External Coating
- Internal Coating
- Tanks/Vessel External Coating and Internal lining and Glass flake lining for vessel internal
- Ceram-kote



Inspection Services

- We provide services of ferrous materials MPI, RT, UT, cobalt RT, and non-ferrous to DPI. along with Advanced NDT (ToFD & PAUT)
- An extensive check is done on the components.
- Calibration & certification of equipment (inspection) i.e. Pressure gauges, Transmitters, Chart recorder etc.
- ASME Level-3 Services for Pressure Vessels Manufacturer
- Drill Tool Inspection Services
- Rope Assess NDT Services



Workshop Support

We are providing full support to our client with our substantial workshop capacity:

- Providing support from the workshop as per required resources.
- Providing rental space for fabrication and storage facility to our clients.
- Providing technician to execute client projects in our facility.



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