



PROFILE



IGASHAR
ENGINEERING LTD



INTRODUCTION

IGASHAR Engineering Limited was incorporated to, among other things; carry on the business of maintenance, overhaul and repairs of Oil and Gas equipment. Mechanical and Electrical engineering works such as: welding and fabrication, building of hydraulic/pneumatic power pack (power unit), expert on gas compressor cooler heat X – changer repairs and overhaul. Maintain, service and overhaul of oil and gas valves/ actuators, corrosion control services, hydro-test and calibration services and machine-shop services.

We also maintain, repair and overhaul of hydraulic power tongs, Breaker units, Power pack, FMS Valves, Ball Valves, Well head services, pumps, Valves, Lift Cylinders etc, as well as install and maintain Industrial electrical equipment.

All we do is in line with international best practice globally and the guiding principle of our company is: **MAKING DIFFERENCE IN THE WORLD OF TECHNOLOGY.** This guiding principle permeates every transaction we have with individuals, corporate bodies, client and associates. It is the bedrock of our project management and execution.

All projections of our business, our staff's education and training, our health, safety and environmental management and our social responsibilities are geared towards International best practices.

The services we render are made possible by a cream of highly qualified and experienced member of the Board of Directors and an equally qualified and experienced management team.

OUR MANAGEMENT TEAM

- | | |
|---------------------------|-----------------------|
| 1. ALOZIE JULIUS | - CHAIRMAN |
| 2. ALOZIE ANNA C. | - DIRECTOR |
| 3. ALOZIE IFEANYI TIMOTHY | - MANAGING DIRECTOR |
| 4. ALOYSIUS AKPAN | - OPERATIONS MANAGER |
| 5. CYRIL NDUBUISI | - HEAD OF PROCUREMENT |
| 6. ANNA ORORI | - FINANCE/ADMIN. |
| 7. ALOZIE GIFT OBUITOR | - LOGISTICS MANAGER |

GAS PLANT AND FLOW-STATION UPGRADE

Experts in plant revamping and equipment installations.

We provide expert repair, maintenance and upgrade for Gas Plants and Flow-Stations. We offer certified high quality, full service and cost effective solutions in maintenance, repair, plant upgrades and modifications of clients' installations.

IGASHAR Engineering Limited is fully staffed with flowstation and pipeline engineers, who have expert experience in installations, construction and maintenance services of oil field equipment such as flowstation and pipeline construction/replacement, mechanical and leak repairs.

Our engineers can revamp a whole flow-station facilities, re-fabricate existing structures, construct and install process piping, flow-line and pipeline.

The scope of service includes but are not limited to:

Production Operations: Flow station and well-head operations, inspection and repairs, pressure testing, pipeline cleaning and pigging, oil spill control, containment and clean-up, pipeline leak repairs, well-head upgrades, and wire line services Engineering.

Construction Services: Pipeline and flow line construction and repairs, mechanical design and construction, other technical and electrical work activities.

Maintenance Services: Pre-planned prevention of breakdown and maintenance of rotating equipment.

Main oil & gas plant operation and maintenance activities:

- Global Maintenance Service
- Integrated O&M (Utilities, Power Plants)
- Equipment Installation, Maintenance and Upgrade
- Upgrading or Revamping Projects on existing systems
- Technical Support and Assistance
- Rotating Equipment Installation, Maintenance and Upgrade

Commissioning and Start-up Services

Maintenance Inspection and Engineering

Training

Technical Assistance





OUR SERVICES

We offer a wide range of engineering and field services to assist our clients in the design, fabrication, installation and start-up of all kinds of system and to maintain an existing system.

IGASHAR Engineering Limited is fully staffed expert field engineers with vast experience in construction, installations, repairs and maintenance services of oil field equipment.

The following are some of our services and supply:

- Welding, fabrication, construction and Modification
- Calibration of Valves, PSV, Gauges, etc
- Maintain / Service of Oil & Gas Valves
- Mechanical / Electrical Engineering works
- Mechanical Modification of Oil and Gas Plants, Flow-stations, etc.
- Oil tool Equipment Rental
- Install / Maintain Hydraulic/Pneumatic pressure equipment

Oilfield and Production Operation:

- Mechanical Maintenance,
- Mechanical Modification/Fabrication,
- Corrosion Engineering Services
- Technical Support Services.
- Oil/Gas pressure valves Services.
- Expert in cementitious and epoxy grouting

MAINTENANCE AND REPAIRS OF OIL AND GAS EQUIPMENT



Providing high quality, full service and cost effective solutions in maintenance, repair, plant upgrades and modifications on clients' installations.

We are certified for high quality full service maintenance, repair, plant upgrades and equipment, plants, tools and materials procurement for oil and gas projects.

IGASHAR Engineering offers superior solutions to operators in the oil and gas industry through our reliable sourcing, stocking, repairs and maintenance of several oilfield tools and equipment. We are defined by our reliability, customer-centric and results-driven processes that get our customers to their targets, with a great amount of efficiency and precision.

We pride ourselves for our comprehensive portfolio of standard and customized well completion and service tools, sourced from only the most reliable manufacturers around the world. We carry both familiar and hard-to-find oilfield supplies and spares, backed by a strong after-sales support.

Our Service Team consists of oil and gas experts who are knowledgeable on how it is to work in the field, thus able to provide fit-for-purpose solutions with fast turnover. Our tools and equipment meet international standards, particularly in Load Test and Magnetic Particle Inspection (MPI). Meanwhile, our facilities streamline the manufacturing process, therefore guaranteeing an above-benchmark lead time on downhole, handling and rotary units, catheads, hydraulic energy units, extensions and bails, spare parts and other tools and equipment.

Our products and services are broadly categorized into support completions, production and operations. They are designed to be durable and flexible in the field to get the job right safely for our customers who usually require installations in potentially hazardous locations. To ensure we carry out installations, operations, maintenance and repairs in the safest way possible, we strictly impose familiarity of operational manuals for each of our tools and equipment, and thoroughly train our personnel on all necessary procedures.



Welding and Fabrication



We specialize in Mechanical and Electrical engineering works including welding and fabrication.

IGASHAR Engineering Limited offers full service in-house welding, fabrication and installation services. Our expertise includes a full range of support services including:

- Internal lining,
- Insulation,
- Process piping,
- Pressure piping,
- Shop and field welding & fabrication of duplex stainless steel,
- Tank farm,
- Warehouse,
- Gas tungsten Arc Welding and
- Structural steel fabrication for the oil/gas, marine, petrochemical, industrial, commercial, and other industries.

We have a diversified background that can meet your custom fabrication. We have found that combining the two services is more cost efficient than separating them. So we efficiently move your project through the fabrication and installation process.

With a team of skilled and certified fabricators and welders, Igashar Engineering provides a wealth of knowledge and practical experience within the oil, gas and renewable industries. Hence, we are committed to ensuring that all services are of the highest quality. This is shown with our attention to detail at all stages of the engineering, fabrication, assembly and welding processes.

Our Welding Services Include:

- Tig, Mig, and Stick Welding
- Aluminum, Stainless Steel, Iron, and Brass Welding
- Laser Cutting
- Machining
- Metal Fabrication
- Engineering
- Emergency Calls
- Repairs
- Small & Big Projects



OIL AND GAS VALVES OVERHAUL

We offer onsite and offsite valve services.

We can deliver critical service and repair work on choke, relief, isolation, control and general valves either on-site or in our dedicated workshops. Our services cover both manual and actuated valves whether electrical, hydraulic or pneumatically powered.

We provide a unique combination of highly skilled technicians, on-site machinery and state of the art test containers that provide on-site, emergency and scheduled repair, and maintenance services to international standards. Our ability to work at site can significantly reduce the cost and downtime of sending valves off-site for repair.

Should our clients' preference be to send valves off-site we have a fully equipped workshop to handle any need.

Our services have been successfully deployed across a broad range of onshore industries including power generation, refining, petrochemical, LNG and industrial plants.



BUILDING OF HYDRAULIC/ PNEUMATIC POWER PACK

We design and build custom power units to the specifications of the customer.

In a nutshell, hydraulic powerpacks are self contained units that are used instead of a built in power supply for hydraulic machinery. And just as their electrically powered counterparts, our pneumatically driven hydraulic power packs set themselves apart by their ruggedness and durability as well as the constant volume they output right up to their pressure limits.

Pneumatic powered HPU's are used frequently on offshore platforms. The advantage is that actuator sizes can be reduced significantly because the low pressure pneumatic power source has been converted to high pressure hydraulic power.

IGASHAR Engineering can design, build, install and commission custom built hydraulic power units to suit your requirements. We also offer Oil Control power units which can be supplied and modified to your requirements.

A standard hydrauZic power unit will be equipped with the following:

- Motor · Pump · Pump flange adaptor · Coupling · Pressure gauge · Reservoir
- Adjustable pressure control · Return line filter · Suction strainer · Filler breather · Manual unloading vent valve



EXPERT IN GAS COMPRESSOR HEAT X-CHANGER REPAIRS

Our maintenance and repair services are also available for the following products:

- Plate heat exchangers
- Shell and tube heat exchangers
 - Finned tube air coolers
- single/compact tube systems
- Refrigeration
- Machine cooling
- Wet cooling

Our experts technicians are at your disposal with tailored service solutions: from commissioning heat exchangers, to assembly and maintenance of equipment as well as the procurement and installation of suitable heat exchanger replacement parts. To avoid unscheduled downtime, we offer the following services:

- ***Reconditioning your heat exchanger***
- ***Leakage test***
- ***Heat exchanger maintenance***
- ***Removal of fouling inside the heat exchanger (cleaning of deposits)***
- ***Corrosion protection for your heat exchanger***
- ***Heat exchanger troubleshooting***
- ***Quick response and support services, on-site and at our service centers***



Machine-Shop Services

We Provide innovative tools and solutions to the oil and gas industry.

IGASHAR Engineering provides precision engineering and large assembly services to the Offshore and Oil & Gas industries. With a fully functional machine shop, we carry out machining for a range of Subsea and Oil & Gas components including:

- Casing and Tubing Heads
- Valves and Pump Bases
- Flanges with hammer union outlets

All product development, design, engineering, manufacturing, testing, qualification and delivery is all undertaken by our highly skilled, in-house team.

We utilize top-of-the-line equipment, including the latest machines, to provide our clients with the finest custom tools and accessories. We also have a full line of traditional machine shop tools, including manual machines, boring mills and welding services. These tools and equipment enable our engineers to provide high standards of excellence while ensuring the best performance, safety and technology.



Expert in Grouting

Providing expert grouting services & solutions to the Offshore Oil & Gas and Renewables sector.

IGASHAR Engineering provides expert solutions to the oil and gas industry for stabilisation, marine grouting and reefs.

Our stabilisation solutions include pipeline stability, scour mitigation and freespan rectification. The formworks are fabricated in our workshop using industry's standard designs.

We also offer marine grouting solutions for jacket grouting, foundation grouting, under-base grouting, heavy density grouting, J-tube seals and jacket structural repairs and flooded member repairs.

We are also capable of handling Oil and Gas Decommissioning, to repurpose existing structures into engineered integrated reefs in regulatory environments.





QUALITY HEALTH SAFETY AND ENVIRONMENT

Our QHSE Objectives

- Eliminate HSE incidents across our operations
- Prevent pollution
- Investigate and prevent recurrence of quality and HSE-related non-conformances
- Set robust but achievable QHSE objectives, monitor progress and ensure continuous improvement
- Train and develop all our employees
- Provide services that consistently meet the present and future needs of our clients, thereby gaining enthusiastic client's trust and support
- Ensure compliance with all applicable local and international legislation

CASHES Policies

CASHES means Community affair, Safety, Health, Environment and Security. IGASHAR ENGINEERING LIMITED is a concerned and caring organisation. We carry out all our business activities to ensure the safety, health and protection of our clients and third parties. We shall at the same time pay proper attention to improving the working environment by:

1. Drawing up a well-articulated and practicable CASHES programme for top management's exemplary attitude toward safety programme implementation.
2. Providing the necessary CASHES training in order for all employees to perform their assigned task in a safe manner.
3. Providing the necessary protective equipment for accident prevention and/ or survival.
4. Facilities placement and ensuring the suitability of individuals according to the physical capabilities, mental abilities, and emotional make-up in works that they can perform without endangering their own health and safety to that of their fellow employees.
5. Providing adequate medical care.
6. Encouraging employees to be security conscious making sure that valuable assets and sensitive information on the company's operations are jealously guarded.
7. Protecting our equipment and our client's from damage loss.
8. Providing the necessary meaningful measures to monitor safety standard of performance.
9. Protecting and improving our environment.

Recent Field Activities

Revamping and installation of Ariel compressor and scrubbers at Exterran Nigeria







PROJECT GALLERY



A BRIEF DISCUSSION ON THE ONGOING PROJECT WITH VIBRATION EXPERT



CUTTING OFF CORRODED PLATES AND REPLACEMENT OF NEW PLATES ON GAS COOLER HOUSING .



MODIFICATION OF STAINLESS NITROGEN TANK AND SKID.



MECHANICAL SCREW MODIFICATION, WELDING WORKS (AGON WELDING) WITH CERTIFIED FITTERS/WELDERS AND EQUIPMENT, AT EPF PROJECT, GBARAN – UBIE.



MODIFICATION OF STAINLESS NITROGEN TANK AND SKID.



INSTALLATION OF VIBRATION SUPPORT, ADDAX GAS PLANT



GAS COMPRESSOR HEAT X - CHANGER REPAIRS, ADDAX OFFSHORE



CORROSION CONTROL AND PAINTING OF TOOL BOX, HALLIBURTON.



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