



# **COMPANY PROFILE**

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**Your EPC & AIM Partner for the  
Oil & Gas Industry**

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# About Us



Incorporated in 1991 as Broad Global Investment Limited, BGI Energy Services Limited is an indigenous engineering, procurement, construction, maintenance and asset integrity management company that participated in the construction of the \$10bn Escravos Gas to Liquid (EGTL) plant. BGI has competencies in engineering, procurement, construction, maintenance, asset integrity management, technical support and consultancy services. In 2019 and for the first time in Africa, BGI deployed a unique technology belonging to Conco Services Corporation for specialized cleaning heat exchangers and waste heat boilers at Chevron's EGTL plant with impressive results that far exceeded what they had obtained using hydroblasting.

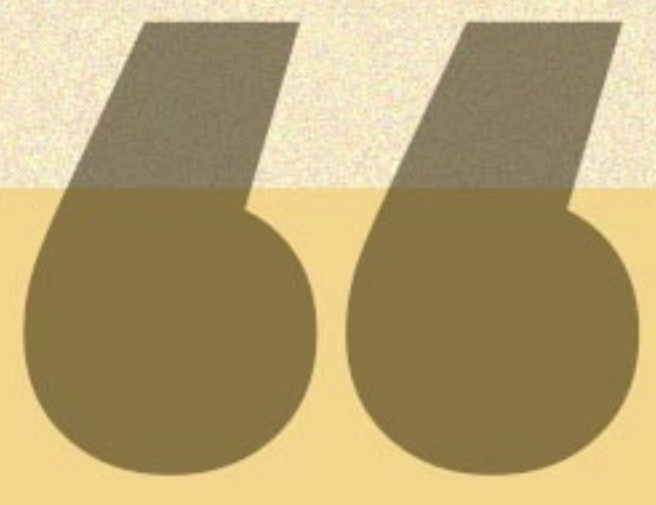
**Our activities** are well grounded in customer satisfaction, professional excellence, partnership, integrity and reliability. We deliver each project safely, on budget, on time and to client specification.

**Our core service categories are as follows:**

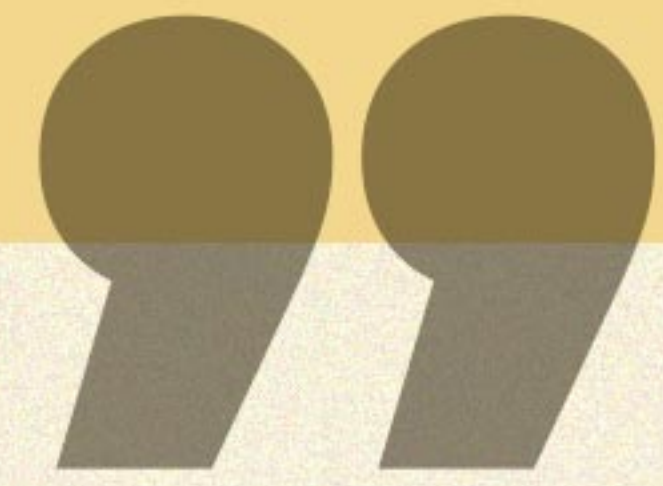
- Engineering, Procurement and Construction (EPC)
- Facility Maintenance and Asset Integrity Management (FM & AIM)
- Technical Support Services (TSS)
- Marine and Offshore Support Services (MOSS)



## **Mission**



**To complete each project safely, on time, on budget and to client's specification**



## **Vision**



**To be the EPC and AIM company of choice for the Oil and Gas Industry**



## **Core Values**



- Professional Excellence**
- Integrity and Reliability**
- Team Work and Partnership**
- Customer Satisfaction**



# **(I) Engineering, Procurement and Construction (EPC)**

Our Engineering capabilities at BGI cover the process, mechanical, civil, electrical and instrumentation disciplines for Oil & Gas and Energy projects. Backed by ISO 9001:2015 QMS, we guarantee quality delivery on every project we undertake to international standards. We complement our in-country technical competence with the reliable support of our technical partners in executing our engineering projects. The scope of our engineering services includes:

- Concept/Feasibility Studies
- Front End Engineering Design (FEED)
- Detailed Design (DD)
- Project Administration
- Abandonment and Decommissioning Studies

Our strong partnerships with OEMs for various equipment including metering systems, valves, pumps, piping, instrumentation equipment guarantee our ability to meet the procurement needs of our clients with impressive lead times. We are not limited by geography in sourcing the equipment needed by our clients.

We support the oil and gas industry at every stage of a project's development and operation. Our construction services include onsite site fabrication, installation and commissioning of equipment, electrical, instrumentation, mechanical and structural components of a facility. We have the approval of the Department of Petroleum Resources (DPR) to provide major construction services including installation and upgrade of onshore & offshore production facilities & platforms and process facilities, fabrication and rehabilitation works.



## **(II) Facility Maintenance and Asset Integrity Management (FM & AIM)**

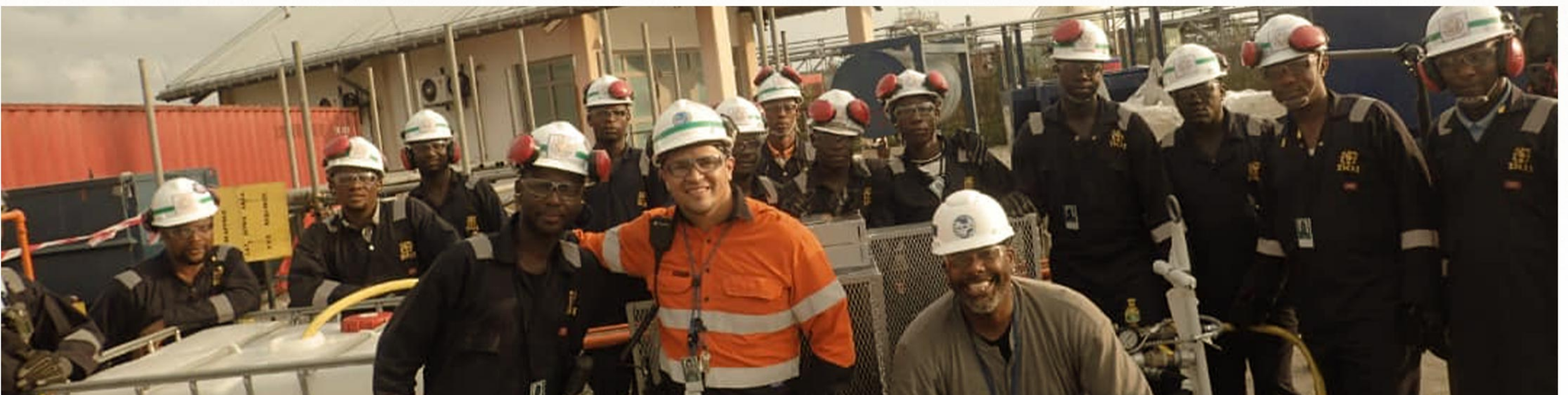
Our Facility Maintenance and Asset Integrity Management (FM & AIM) services support oil and gas infrastructure, facilities, and equipment through the conception, design, construction, commissioning, operations, and decommissioning phases. Services in our FM & AIM category include:

- Heat Exchanger Maintenance
- Refractory Services
- Inspection Support Services
- Cooling Tower Services
- Industrial Cleaning



## Heat Exchanger Maintenance

For heat exchangers, we offer a Total Performance solution that includes **Cleaning, Nondestructive Testing, Leak Detection, Tube Restoration and Plugging**. Using our one-stop platform, BGI guarantees the best performance for your heat exchangers, waste heat boilers and condensers. Whether you want to maintain your heat exchangers during a planned shutdown or normal operations, we help you get the most value from your performance objective with the barest disruption possible. For Shell and Tube heat exchangers, we utilize **TruFit and ProSeries** cleaning system, a low pressure mechanical cleaning technology owned by **Conco Services Corporation** to restore fouled tubes to test ready condition. Where severe fouling has resulted in tube blockage, we use **Conco's HydroDrill and Excaliber** cleaning systems. Conco's cleaning technology toolbox includes other equipment such as the **FinTech** (for Air Cooled Condensers) and NitroLance (for removing difficult deposits quickly and safely without producing secondary waste streams or risk of cross-contamination). We also use technology to clean plate type heat exchangers, tube externals and shell sides. We enable oil and gas facilities, power plants, refineries and industrial production facilities to improve profitability, productivity and reliability through a uniquely integrated platform of products and services for condensers and heat exchangers.

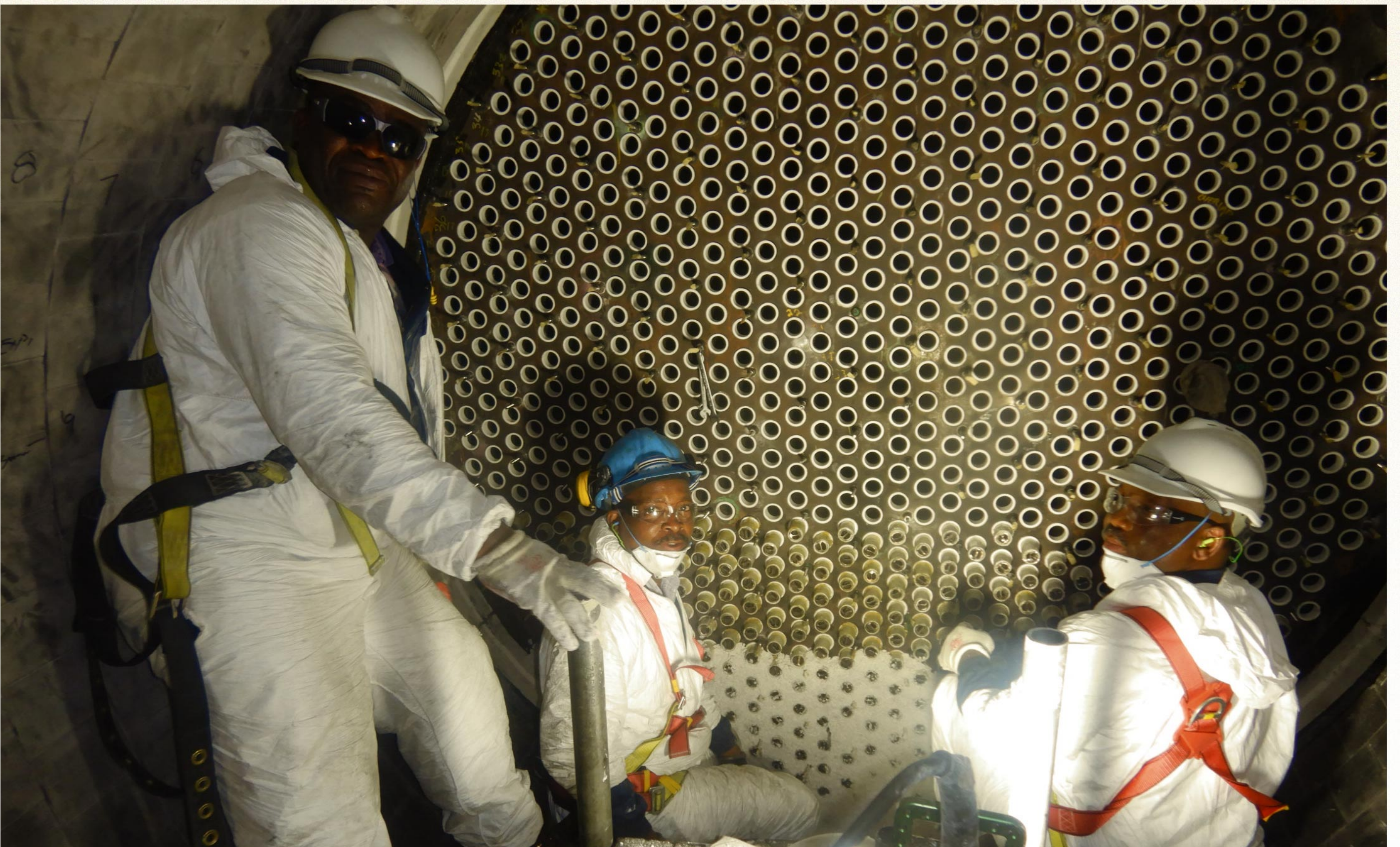


## Refractory Services

BGI works with Refractory experts ***Monolithic Installations*** to serve your need for new and existing industrial furnaces, incinerators, and boilers, and refractory repair services.

Refractory materials must be strong and durable to withstand intense temperatures. We have experience with plastic, gunite, fire brick, and ceramic refractory materials, and our refractory experts can recommend the best material for your needs. In addition, we keep an extensive inventory of refractory materials and castables to ensure we have the right materials.

We provide design and installation services for Boilers, Furnaces, Reformers, Incinerators, Steam generators, Hoppers and cyclones. Our experienced and highly trained professionals can assist you with new construction, refractory repairs, or refractory maintenance needs. We know that your refractories wear out with time from normal operations. But you can avoid costly interruptions to operations by taking advantage of our suite of inspection, maintenance and repair services.





## Inspection Support Services

As assets and facilities mature, their fitness for purpose and continuous use is threatened. Failure of a single critical component can cause phenomenal production losses. Our asset integrity management services cater to your every need - from a single critical component to a full-scale asset integrity management programme for your equipment, structures and piping. Our **Inspection Support Services** guarantee that you have the correct and reliable data you need for asset remedial and intervention activities. Nondestructive inspections performed by our well trained and qualified technicians will help you to determine deformations, defects and imperfections in your asset components with a high degree of confidence that enables data-driven decision making. highly skilled and certified personnel holding qualifications with the renown industry bodies such as PCN - Personnel Certification in Non Destructive Testing, ASNT - American Society of Non-destructive Testing, API – American Petroleum Institute, AWS - American Welding Society, ACCP – ASNT Central Certification Programme and IRATA - Industrial Rope Access Trade Association. We work closely with OEMs in NDT space and competent technical partners to provide both conventional and advanced NDT inspection services.



## Industrial Cleaning Services

Many industrial equipment and parts become fouled from normal usage and are mostly replaced when the fouling condition results in minimal performance. BGI uses technology such as ultrasonics and cleaning chemistry to restore Flame Arresters, Radiators, Valves, Rotating Equipment, Hydrocyclone Liners, Compact Exchangers, Column trays, Packings, Demister pads, Pump parts, Pipes/spools, Fittings/hardware to as new condition.

## Cooling Tower Services

We work with SPX Cooling Technologies, Inc., the leading global manufacturer of cooling towers, evaporative fluid coolers, evaporative condensers and air cooled heat exchangers. For nearly a century, SPX has provided exceptional quality equipment and service to the HVAC, process cooling, industrial, and refrigeration markets. BGI works with SPX for the **procurement, installation, inspection, reconstruction, refurbishment and parts sourcing** of both SPX manufactured and third party cooling towers. SPX Cooling Technologies is part of the entire cooling tower life cycle—from design and manufacturing to service and reconstruction—for more than a century. With such a unique perspective and unparalleled knowledge of our partner SPX Cooling Technologies, we look beyond quick fixes to provide complete service and maintenance solutions—proven, convenient, and value-driven approaches that maximize thermal performance as well as maintenance budgets. Whether you own, operate or maintain cooling towers, we are the only call you'll need to make for total cooling tower care and complete peace of mind. No matter your cooling tower's age, condition, needs or even brand, BGI works with SPX to offer the unique knowledge, experience, and resources necessary to help it perform like new.

From routine maintenance to complete refurbishment—and every stage in between—we work with SPX as the one-stop resource to optimize your operation and make the best use of your maintenance budget.



## **(III) Technical Support Services**

Our experienced and competent engineers and technicians have consistently supported the design, construction, installation, operation and maintenance activities of our clients. BGI has experience in seamless mobilization, administration and demobilization of expatriates, nationals, OEM personnel and third party vendors to support the operations of our clients.



### **Insulation and Heat Tracing**

From design to procurement to installation and maintenance, BGI provides heat tracing services for a variety of applications. Our heat tracing experts work with clients to create the best solution for protecting your pipelines, tanks and containers, equipment, and instrumentation from harsh or fluctuating temperatures.

## **Manpower Supply**

We provide an effective electrical and instrumentation agency service, providing our customers with personnel who are the very best at what they do. We spend a lot of time understanding our customers, their operations and identifying their needs and requirements, ensuring that we put forward the right personnel for the job.

We provide the following Personnel:

- Instrument Technicians
- Electricians
- Instrument Pipe Fitters
- Qualified Engineers
- Supervisors
- Engineers

Our technical procurement team are experts at finding the most effective solutions without ever compromising quality.

We work with our customers to identify and source the most suitable components and equipment for a wide and varied range of electrical, instrumentation, process control and security system applications.

Our experienced engineers are available to provide technical assistance and advice, and our buyers are well placed to attend to all of your procurement requirements.



## Calibration, Flow Measurement and Metering Systems

We offer calibration services to ensure that our clients receive the highest level of quality and accuracy. Instrument error - which can occur due to drift, environment, electrical supply, addition of components to the loop, process changes - affects operational output and bottom line. Our calibration and instrument specialists manage a wide range and variety of on-site and offsite calibration programs, ensuring instruments are calibrated and are traceable to the relevant standards. We help our clients to have confidence that the instruments are measuring correctly, offer calibration assistance to ensure that our clients are in control of their processes and operations. We also provide direct hire of our highly experienced instrument technicians to support clients' own process instrument calibration activities.

At BGI, we know that metering is at the heart of your bottom line. Our metering engineers, technicians and technical partners have expert technical knowledge that enables us to provide quality metering product and service expertise across the full life cycle of a metering project; from conceptual design and feasibility studies through to procurement, installation, operations, maintenance, calibration and rehabilitation.



## Electrical and Instrumentation Services (E&I)

BGI delivers electrical and instrumentation services from design to start up through to on-going electrical and instrumentation maintenance. With our technical partners and competent local personnel, we work to integrate with your operations to ensure your electrical and instrumentation project is completed safely, on time, within budget, to specification and with minimal downtime.

BGI provides high-quality electrical and instrumentation services through our highly experienced dedicated network of design engineers, electricians, instrument technicians, inspectors, craftsmen, pipe fitters and project managers. We are dedicated to providing excellent customer services and developing sustainable relationships, as strong working partnerships with our customers underpins everything we do.

Our range of E&I design and project services offer bespoke services tailored around the needs of your operations. From initial concept studies right through to completion, each project is treated as unique. The engineering consultancy services are provided for project management, construction management, process engineering and engineering design for instrument and electrical.

We offer a total engineering solution and have highly skilled engineering teams that can assist from FEED and concept designs all the way through to final construction, testing, commissioning, documentation and handover. We cover aspects from fault finding to construction management and final commissioning.



## Equipment Rental Services

We have a fleet of compressors, generators, manlifts, boom lifts and air dryers to support the operations of our clients in the upstream, midstream or downstream sectors.

With our technical partners, we can guarantee you reliable, safe and cost-effective equipment and services dedicated to Oil & Gas and other Energy applications.

Our equipment is designed, manufactured and tested to comply with the best standards. We accompany our equipment with competent and certified operators to ensure smooth operations as we support the activities of our clients.

We welcome pre-mobilization inspection and assessment of our equipment from clients to boost their confidence in our equipment rental services. We succeed and perform to plan, delivering continued safety and cost improvement efficiencies, value engineering and economies of scale.



## (IV) Marine and Offshore Support Services (MOSS)

BGI's Marine & Offshore Support Services (MOSS) unit is well positioned to respond to meet the needs of our clients. We have at our disposal, the technology to deliver prompt and efficient services within our region of operations backed by the expertise of our technical partners and employees.

We are capable of supplying the following type of vessels and much more:

- **Tug Boats:** Our tugs serve the purpose of towing bigger vessels towards designated harbors and provide essentials such as water, air, etc. to vessels.
- **Crew Boats:** We also provide anchored or dynamic positioned crew boats for transporting employees of client companies from the shore to offshore locations like drilling rigs, platforms and other remote installations offshore. These boats are of different varieties and can be customized to our client's requirement and specification on request.
- **Supply and Utility Vessels:** We also provide supply and utility vessels to our clients for logistic support and transportation of goods, tools, equipment and personnel to and fro offshore oil platforms and other offshore structures.
- **Escort and Patrol Vessels:** We also have vessels which can be used to escort cargo and personnel to and fro offshore oil platforms and other offshore structures.





## **DREDGING SERVICES**

BGI offers Dredging Services to ensure the removal of sediments and debris from the bottom of lakes, rivers, harbors, and other water bodies for ease of marine transportation activities.

Our Dredging Services are focused on maintaining or increasing the depth of navigation channels, anchorages, or berthing areas to ensure the safe passage of boats and ships because we know that marine vessels used in oil and gas activities require a certain amount of water in order to float and not touch bottom.

Sometimes, our Dredging Services are required to reduce the exposure of fish, wildlife, and people to contaminants and to prevent the spread of contaminants to other areas of the water body. We provide environmental dredging in and around communities, cities and industrial areas that are frequently contaminated with a variety of pollutants introduced to waterways from point sources such as sewer overflows, municipal and industrial discharges, and spills. We work with the backing of our technical partners to deliver the best results.





# BGI TECHNICAL PARTNERS



Safe, Quality Products and Services...  
**BEYOND EXPECTATIONS!**

## CONCO SERVICES

Conco enables power plants, refineries and industrial production facilities to improve profitability, productivity and reliability through a uniquely integrated platform of products and services for condensers and heat exchangers. This Total Performance™ platform incorporates patented technology-based cleaning, nondestructive testing and leak detection services that will improve energy output and decrease downtime for our customers.



## NONDESTRUCTIVE & VISUAL INSPECTION

NVI is a worldwide industrial solutions provider for companies with high-stakes infrastructures and helps companies plan, inspect and document infrastructure build-outs and maintenance, enabling safe, compliant, and efficient operations. They deliver NDT techniques with a passionate commitment to exceptional customer service that many NDE providers simply cannot match.

## **SPX COOLING TECHNOLOGIES**

SPX is a leading full-line, full-service cooling tower and air cooled heat exchanger manufacturer. The companies that formed SPX Cooling Technologies were founded more than 100 years ago and have more than 250 global patents in the process cooling, industrial, refrigeration, and HVAC markets.



## **AWWONS**

Awwons Engineering & Technologies Pvt. Ltd., are a team of professionals in the field of Electrical & Instrumentation having immense experience. Awwons has been executing projects in innovative ways in and around India, Middle East and Africa. Awwons delivers timely execution of projects with optimum cost expenditure without compromising on quality.



## **AUDUBON COMPANIES**

Audubon Engineering, an affiliate of Audubon Companies, is a global EPCM services provider serving the oil & gas, petrochemical, refining, and pipeline industries. From the wellhead to the refinery, Audubon Companies deliver turnkey solutions throughout the project life cycle on time and within budget. Their reputation is centered on providing engineering excellence and flexibility without compromising safety, value or quality.

## CLARKE VALVE

Clarke Valve™ provides high quality industrial control valves to organizations worldwide. Using aerospace design principles, Clarke has developed the patented Shutter Valve™, meeting the ASME B16.34, ASME B16.10 and ASME B16.5 international valve standards, as well as ISO 5211 standards for valve automation. Due to its best-in-class sealing system, the Shutter Valve is the first control valve to achieve both API 641 and ISO 15848-1:2015 certifications, making it the world's most compact, efficient, and environmentally friendly control valve. Clarke Valve technology can be easily scaled or customized to meet many challenging requirements, and is currently deployed in a diverse spectrum of markets, including oil and gas, aerospace, chemical, power plants, and water management. All Clarke Valves are 100% inspected and tested to FCI 70-2 standards for control valves. Clarke Valve is an OSHA-certified ISO 9001:2015 company with a rigid Quality Control process that places an emphasis on the safety of our products



*Clever Thinking*

## OSL CONSULTING ENGINEERS

OSL is a multi-disciplined team of creative, forward thinking technical specialists, working collaboratively with the energy and related sectors to provide quality implemented solutions. Our speciality is front-end engineering and provision of innovative solutions for Gas and Oil Processing, Transport and Storage - both onshore, offshore and subsea. OSL has extensive experience in the energy sector, including environmentally friendly technologies such as carbon capture, bio-fuel and biogas.



## **CHEM-IN**

CHEMIN C&I, is an ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007 company providing most comprehensive range of instrumentation products and services, Pre-engineered, Prefabricated building solutions in one brand - synonymous with excellence, innovation and quality.



## **ALDERLEY SYSTEMS**

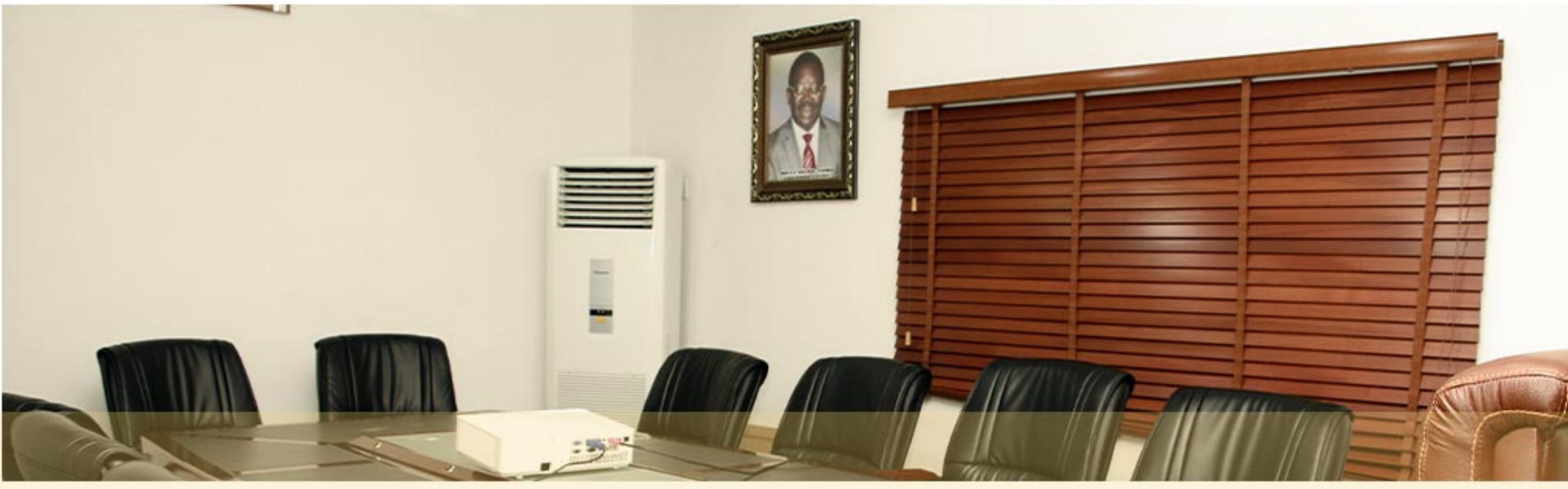
AlderleyTM is a leading provider of skid-mounted, integrated solutions for the global energy industry. Incorporating other brands to strengthen the portfolio, the Alderley Group is a single source solutions provider for your engineering requirements.



## **INDUSTRIAL MAINTENANCE INTERNATIONAL**

Industrial Maintenance International is a multinational Technical assistance company committed to provide our clients with unique global and integrated personnel to the world class EPC and ECPM projects. IMI is committed to offering initiative to provide our clients with a single comprehensive and integrated response to the world class oil and gas firms and main construction companies.

# AWARDS/ CERTIFICATIONS





STANDARDS ORGANISATION OF NIGERIA  
NO 13/14 VICTORIA AROBIEKE STREET, LEKKI PHASE 1, LAGOS

# Certificate

No. 0000543

This is to certify conformity of

## BGI ENERGY SERVICES LIMITED

Organisation/Person  
8, 15TH STREET DDPA ESTATE, EFFURUN, WARRI, DELTA STATE  
Location

### Quality Management System

*With*

### ISO 9001:2015

*For*

Specification/Standard  
ELECTRICAL & INSTRUMENTATION, CONSTRUCTION INSTALLATION AND MAINTENANCE OF OIL AND GAS  
PROCESS FACILITIES, PROVISION OF TECHNICAL SUPPORT SERVICES INCLUDING RECRUITMENT AND  
MANAGEMENT OF HIGHLY SKILL EXPATRIATE STAFF FOR THE IOCS  
Scope

Issued on 30.05.2018

Expires on 29.05.2020



DIRECTOR GENERAL/CHIEF EXECUTIVE  
STANDARDS ORGANISATION OF NIGERIA

**dun & bradstreet**  
D-U-N-S Number® Certificate

This is to certify that

**BGI ENERGY SERVICES LIMITED**

No 8, 15<sup>th</sup> Street DDPA Housing Estate, Off Airport Road,  
Warri Delta State,  
Nigeria

is now part of the  
Dun & Bradstreet Global Database

and as on 26<sup>th</sup> May, 2019 has been assigned the

**D&B D-U-N-S Number®**  
**56-137-5442**

The rating is valid till 25<sup>th</sup> May, 2020

R Suryanarayan  
General Manager Africa  
Dun & Bradstreet South Asia Middle East Limited  
May 26, 2019

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