



# FACTS & FIGURES | 2023



*... a globally competitive LNG company helping to build a better Nigeria.*

*Facts and Figures* is an annual compendium of information about Nigeria LNG Limited. This publication is produced by the External Relations and Sustainable Development Division of Nigeria LNG Limited.





*Facts and Figures 2023*

Editor-in-Chief  
Andy Odeh

Managing Editor  
Yemi Adeyemi

Editor  
Titi Horsfall

Deputy Editor  
Emma Nwatu

Photography  
Awoala Gaibo

More information on the company's operations can be found at [www.nigerialng.com](http://www.nigerialng.com) or [www.nlng.com](http://www.nlng.com). All correspondence regarding this publication should be addressed to:

The Editor, Facts and Figures, Nigeria LNG Limited, NLNG Road, Eastern Bypass, Port Harcourt, Rivers State, Nigeria.

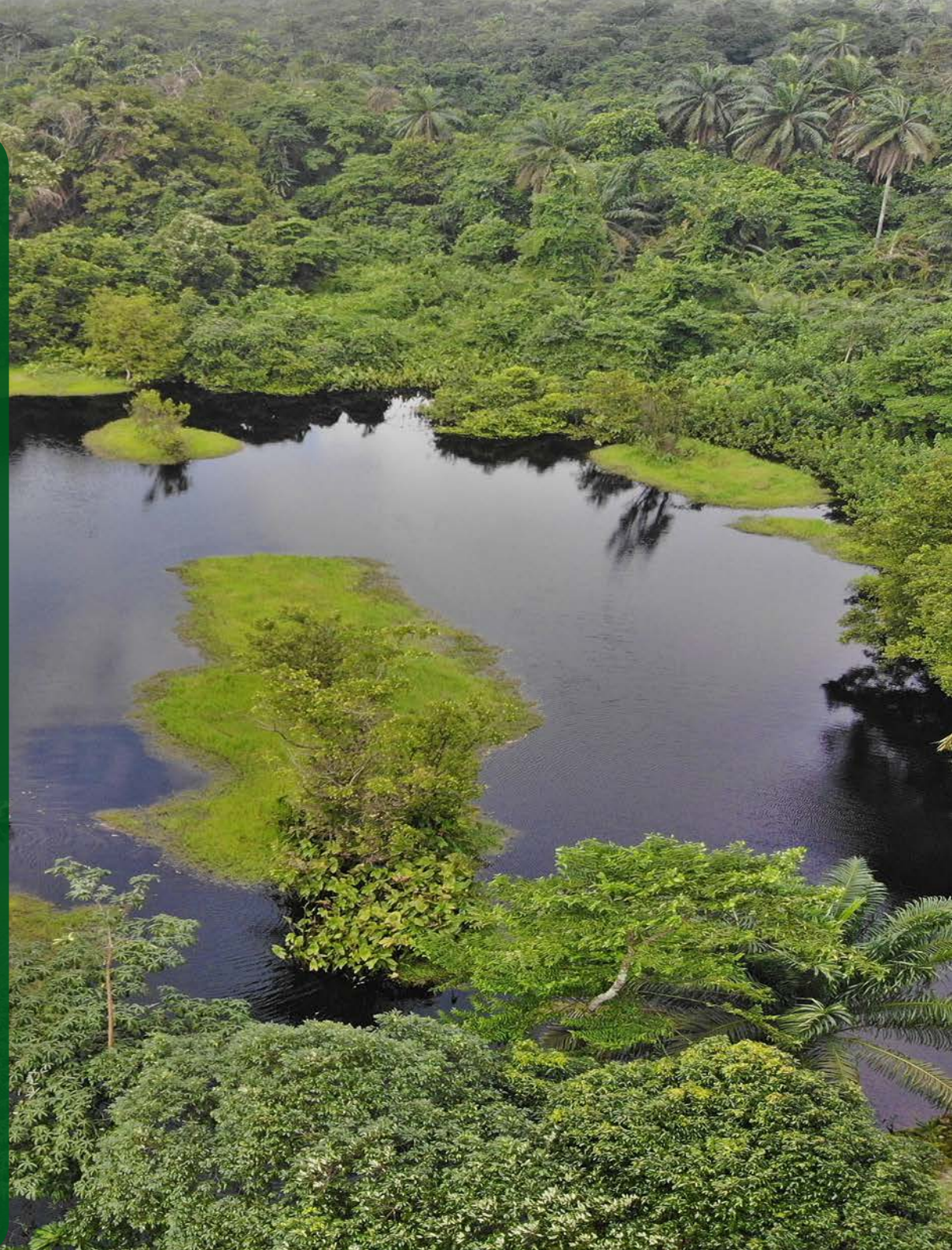
Phones:  
+234 (0) 803 907 4000,  
(0) 802 473 4000,  
(0) 84 28 4000

E-mail: [info@nigerialng.com](mailto:info@nigerialng.com)  
[facebook.com/nigerialnglimited](https://facebook.com/nigerialnglimited)  
[youtube.com/NgLNG](https://youtube.com/NgLNG)  
[linkedin.com/company/nigeria-lng-limited](https://linkedin.com/company/nigeria-lng-limited)  
[twitter.com/NigeriaLNG](https://twitter.com/NigeriaLNG)  
[instagram.com/nigerialng](https://instagram.com/nigerialng)



# CONTENTS

- 05 The Company
- 08 Management Profile
- 18 Contributions to the Nigerian Economy
- 22 Anti-Bribery and Corruption
- 24 The Plant
- 27 NLNG Major Milestones
- 30 Gas Supply
- 34 Commercial
- 42 Shipping Operations
- 45 Shipping Milestones
- 50 Finance
- 56 Nigerian Content
- 62 Health, Safety and Environment
- 69 Biodiversity and Nature Conservation
- 72 Social Performance





# THE COMPANY

Nigeria LNG Limited (NLNG) was incorporated as a limited liability company under the laws of the Federal Republic of Nigeria on May 17, 1989 to harness Nigeria's vast natural gas resources and produce Liquefied Natural Gas (LNG) and Natural Gas Liquids (NGLs) for national income. It is owned by four shareholders, namely, the Federal Government of Nigeria, represented by Nigerian National Petroleum Company Limited (49%), Shell (25.6%), TotalEnergies Gaz and Electricite Holdings France (15%) and

Eni (10.4%). The company has two subsidiaries: Bonny Gas Transport Limited (BGT) and NLNG Ship Management Limited (NSML).

## BONNY GAS TRANSPORT LIMITED

Following the incorporation of Nigeria LNG Limited, Bonny Gas Transport Limited was established in 1989 to provide shipping capacity for NLNG. The company is owned by NLNG and its shareholders.

## NLNG SHIP MANAGEMENT LIMITED

Established in 2008, NLNG Ship Management Limited (NSML) is a private limited liability company which provides shipping services including training, manning, fleet management and consultancy services to Nigeria LNG Limited (NLNG) and third parties.

### OUR VISION

*"...a globally competitive LNG company helping to build a better Nigeria."*

Nigeria LNG Limited will be a global LNG company renowned for its operational excellence, cost leadership, high HSE standards, honesty and integrity. We help to build a better Nigeria by processing, shipping and marketing efficiently and profitably the country's gas resources and by putting out the flares, thus diversifying the economy and minimising the environmental impact of our activities and products.

We will set the standards in community relations and technology transfer, and actively promote the sustainable development of Nigerian businesses.

We will provide to our shareholders a good return on their investment. We will provide an exciting and fulfilling place to work and the opportunity for staff to develop their potential.

Finally, we will execute and operate our business in Nigeria with an international outlook and mindset.

### OUR MISSION

To market, produce and deliver liquefied natural gas and natural gas liquids to buyers safely, reliably and profitably, growing our company and its people to their full potential, and being a trusted partner with all our shareholders in the sustainable development of Nigeria's gas industry and NLNG host communities.

### OUR PEOPLE

Nigeria LNG Limited's workforce comprises direct hire staff and secondees from shareholder companies, working together to achieve the company's corporate objectives, through a set of shared values. Direct staff are recruited after rigorous interviews, following advertisement of vacancies on company's website and in national newspapers. Employment and appointments are made on merit, based on academic qualifications, relevant work experience and competence.

The shareholders appoint representatives to the Board of Nigeria LNG Limited. To execute the decisions of the Board is a Senior Management Team (SMT). Supporting the SMT are the Extended Management Team (EMT) and over 1,000 members of staff.

**CORE VALUES** - Safety | Integrity | Teamwork | Respect | Excellence | Caring



# SHAREHOLDERS



49%

## **NIGERIAN NATIONAL PETROLEUM COMPANY LIMITED (NNPCL)**

The Nigerian National Petroleum Company Limited (NNPCL), previously the Nigerian National Petroleum Corporation (NNPC), was established in 1977 under the laws of the Federal Republic of Nigeria. It is the corporate entity through which the Nigerian government participates in the oil and gas industry. NNPC and its subsidiaries dominate all sectors of the industry—exploration, production, refining, pipelines, marketing, crude/product exports, and petrochemicals. NNPC Limited owns 49% of the shares in Nigeria LNG Limited.



25.6%

## **SHELL GAS B.V. (SGBV)**

Founded in 1974, Shell Gas B.V. (SGBV) is a member of the Royal Dutch Shell Group of Companies which operates throughout the world in all subsectors of the oil and gas industry. For more than 40 years, SGBV has been investing in and delivering some of the world's largest and most complex gas projects. Besides its interest in Nigeria LNG Limited, Shell Gas holds the largest equity share of LNG capacity among international oil and gas companies, with a leading position in LNG shipping, marketing and trading of natural gas and power in Europe, North America and Asia Pacific. SGBV owns 25.6% of the shares in Nigeria LNG Limited.



15%

## **TOTALENERGIES**

Founded in 1995, Total is a major integrated oil and gas company active in all sectors of the petroleum industry. It operates in more than 130 countries, and it is today, the fifth largest publicly traded integrated international oil and gas company in the world. In Nigeria, the company is one of the largest oil and gas producers through its involvement in more than 50 permits, including nine as operator. Total owns 15% of the shares in Nigeria LNG Limited.



10.4%

## **ENI INTERNATIONAL (N. A.) N.V.S.àr.l**

Eni was founded in 1953 and is one of the world's major integrated oil and gas companies engaged in all sectors of the petroleum business. It is involved in exploration, development and production of oil and natural gas in 70 countries. Eni owns 10.4% of the shares in Nigeria LNG Limited.



# NLNG AND SUBSIDIARIES: BOARDS OF DIRECTORS

## NLNG BOARD OF DIRECTORS

HM King Dr Edmund M. Daukoru  
*Chairman*

Dr Philip Mshelbila  
*Managing Director*

Mr Olalekan Ogunleye  
*Deputy Managing Director*

Mr Mele Kyari

Amb Gabriel Aduda

Engr Henry Ikem Obih

Dr Rabiul Suleiman

Mr Martinus de Jong

Mr Henry Bristol

Mr Mike Sangster

Mrs Florence Ilaka

Mr Fabio Di Majo

Mr Akachukwu Nwokedi  
*Company Secretary*

## BGT BOARD OF DIRECTORS

HM King Dr Edmund M. Daukoru  
*President*

Dr Philip Mshelbila  
*Vice President*

Mr Mele Kolo Kyari

Mr Olalekan Ogunleye

Amb Gabriel Aduda

Alhaji Abdul Abba Gana

Ms Efundoyin Akinyanju

Mr Henry Bristol

Mr Olusegun Adebayo

Mrs Florence Ilaka

Mr Michel Faou

Mr Christopher Kokaram

Mr Donald H. Malcolm

Mr Victor Richards

Ms Kim McCullough  
*Company Secretary*

## NSML BOARD OF DIRECTORS

Mallam Mohammed Ahmed  
*Chairman*

Mr Olalekan Ogunleye  
*Vice Chairman*

Mr Abdulkadir Ahmed  
*Managing Director*

Ms Nike Kolawole

Mr Olusegun Adebayo

Mrs Florence Ilaka

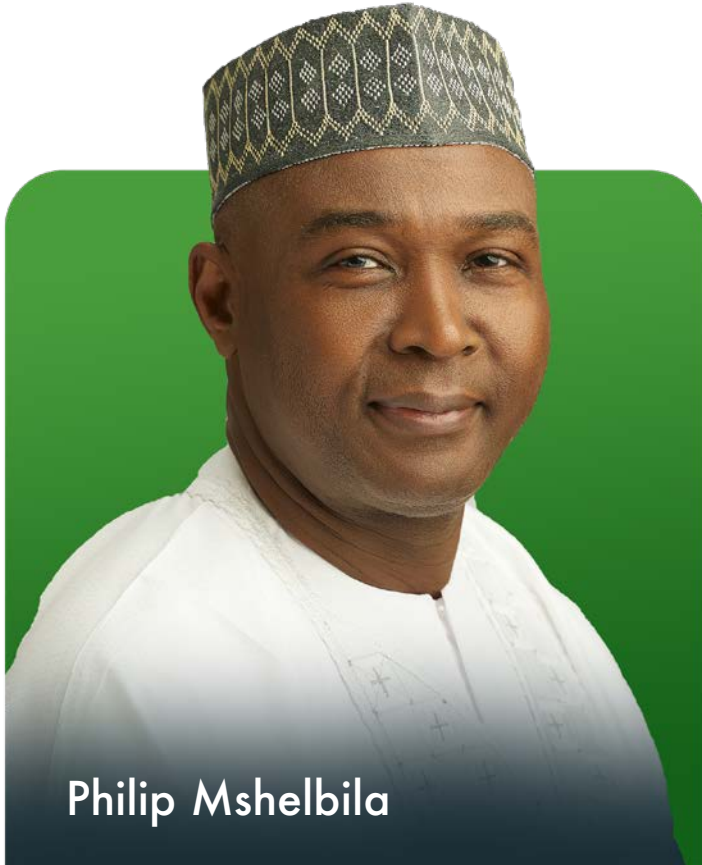
Ms Maria Caianiello

Mr Ufuoma Otomewo

Mr Terhemba Makeri

Mr Akachukwu Nwokedi  
*Company Secretary*





## MANAGING DIRECTOR/ CHIEF EXECUTIVE OFFICER

Philip Mshelbila is currently the Managing Director and Chief Executive Officer of Nigeria LNG Limited and the Vice President of Bonny Gas Transport. Prior to this, he was the CEO of the Atlantic LNG Company of Trinidad & Tobago. Preceding this position, he held the position of General Manager, Gas for Shell Nigeria and a director of the Shell Petroleum Development Company of Nigeria Ltd (SPDC). Before that, he held the positions of Regional Communications Manager for Shell in West Africa and General Manager for Sustainable Development and Community Relations for Shell Nigeria. Prior to that, he was the Managing Director of Shell Nigeria Gas Ltd and Crisis Chief of Staff for Shell Nigeria.

In the course of his over 25-year career with Shell, he has held various roles including Integration/ Planning and Project Development Manager for Gas

& Power, Commercial Manager, Private Assistant to the Chief Executive of Royal Dutch Shell in The Netherlands, Regional (Business) Adviser for Africa - Shell International and Regional Health Manager for Africa overseeing 36 countries. Prior to joining Shell, he worked with the Nigerian National Petroleum Company (NNPC) and National Oil & Chemical Marketing Company Plc (NOLCHEM).

Philip has a degree in Human Medicine (MBBS), a postgraduate qualification in Occupational & Environmental Medicine from the University of Aberdeen, Scotland, and a Master of Business Administration (MBA) degree from the IESE Business School of the University of Navarra, Spain.

He loves traveling and exploring new cultures, swimming, and spending time with his family.

## DEPUTY MANAGING DIRECTOR

Olalekan (Lekan) Olufemi Ogunleye is the Deputy Managing Director of Nigeria LNG Limited. In his almost three decades of career life, Lekan has held several key management positions in his parent company – the Nigerian National Petroleum Company Limited (NNPC), especially in the gas sector. This has equipped him with significant industry experience in various aspects of the gas value chain. Until he joined NLNG in April 2022, he was the Managing Director and Chief Executive Officer (MD&CEO) of Gas Aggregation Company Nigeria Limited (GACN), established by the Federal Government of Nigeria to facilitate adequate gas supply to the domestic market and ensure the effective implementation of the Nigerian Gas Master Plan.

Before then, Lekan was the MD&CEO of N-Gas Limited, a joint venture company between NNPC, Chevron, and Shell with responsibility for the sale and marketing of gas in Benin Republic, Togo and Ghana. Prior to this, he has meritoriously served in several key gas commercialization capacities including as Senior Counsel, Commercial, Brass LNG; Company

Secretary and Legal adviser (CS&LA) of the Nigerian Gas Company Ltd (NGC) from 2014 to 2017 and CS&LA in Nigerian Gas Marketing Company Limited (NGMC) from 2017 to 2019. Both NGC and NGMC are subsidiary companies of NNPC.

Olalekan Ogunleye holds a degree in Law from Obafemi Awolowo University, Ile-Ife. He was called to Bar in 1991, following his graduation from the Nigerian Law School, Lagos, the same year. He also has numerous certifications from leading national and international organizations.

Lekan is a member of several professional organizations including the Nigerian Bar Association; International Bar Association; Chartered Institute of Arbitrators; and Association of International Petroleum Negotiators. Olalekan Ogunleye was the former Legal Adviser and Deputy Secretary-General of the Nigerian Gas Association.

He is married, spends his leisure time reading and playing table tennis, and enjoys poetry.



Olalekan Ogunleye





## GENERAL MANAGER COMMERCIAL

Ufuoma Otomewo is a business strategist and business finance professional with over 20 years experience in audit/consulting and across diverse functional areas in the energy value chain. Prior to his current role as General Manager Commercial, he was General Manager/Senior Advisor in the Asset Management and New Energies directorate of TotalEnergies E&P.

Beginning his career with Deloitte in 2001, Ufuoma joined TotalEnergies E&P in 2003 and has over the years worked in various capacities and locations in Nigeria, France, the UK and Norway. He has played key roles in the successful negotiation of several commercial and financing agreements across the energy value chain. He has been involved in several divestment and assets transfer negotiations, business scenarios planning and strategy development, joint venture management, shipping and marketing strategy development, portfolio stress-testing and

portfolio strategy development and business process re-engineering.

Ufuoma is an alumnus of both the prestigious INSEAD Business School and the Manchester Business School. He holds an MBA from the Manchester Business School (MBS), UK, as well as a B.Sc. (Hons) in Accountancy from the University of Nigeria, Nsukka. He is a member of the Association of International Petroleum Negotiators (AIPN), the Institute of Chartered Accountants of Nigeria (ICAN) and the Canadian Institute of Management (CIM).

Ufuoma has personal interest in coaching, business model reframing, emerging technologies, value investing and start-up incubation / venture funding.

His hobbies include playing ping-pong, squash and listening to music.

## GENERAL MANAGER CORPORATE SERVICES

Joseph Alagoa is an engineer with over 25 years of experience in the oil and gas industry spanning operations, process technology, planning, asset management, contract and procurement, security services, business logistics, information technology and estate management. He earned his bachelor's degree in Chemical/Petro-Chemical Engineering from Rivers State University of Science and Technology and is a member of the Nigerian Society of Engineers.

Following his graduation from university, Joseph joined National Fertilizer Company of Nigeria and worked for about two years prior to joining Nigeria Liquefied Natural Gas Limited. He joined NLNG in 1998 where he started off in plant operations with focus on commissioning and start-up activities for Trains 1 and 2.

In 2001, he was seconded to join the Trains 4 and 5 Front End Development team working with the FEED (Front End Engineering Design) contractor (MW Kellogg) as a Process Engineer. On his return, he held various operational leadership positions in NLNG's liquefaction plant on Bonny Island.

In 2005, he was seconded to Woodside Energy Limited in Western Australia where he worked at Karratha Gas Plant, a Woodside-operated five-train LNG plant, as Optimization Engineer and later as an Operations Superintendent responsible for LNG production assets. On his return to NLNG, he held different technical leadership positions and, in 2008, became the Head of Operations for the Liquefaction Plant, the first NLNG direct staff in this position.

From 2010 to May 2019 Joseph was Manager, Technical Services during which time Process Safety was formally introduced and embedded; Manager, Integrated Scheduling and Planning where he was responsible for NLNG value chain optimization from feed gas to product delivery; Manager, Production Asset where he focused on Production Excellence and Asset Assurance and Manager, Contract, Procurement and Materials, where he concentrated on improving the overall C & P processes.

In May 2019 he was appointed as the General Manager, Corporate Services Division, Nigeria LNG Limited with responsibilities spanning Information Technology, Business Logistics, Corporate Security and Estate Services.



Joseph Alagoa





## GENERAL MANAGER EXTERNAL RELATIONS & SUSTAINABLE DEVELOPMENT

Andy Odeh is the General Manager, External Relations and Sustainable Development at Nigeria LNG Limited. He is a public relations, media management and brand promotion professional. His over 20 years' varied experiences are in public relations, advertising and oil and gas industries.

Andy Odeh holds a Masters' Degree in Public and International Affairs from the University of Lagos, a Post Graduate Diploma in International Public Relations from the Business School, University of London and a first degree in Communication Arts from the University of Jos, Nigeria. He has other leadership certifications, including some from INSEAD Singapore, and Nigeria's National Institute for Policy and Strategic Studies.

Andy started his career at Insight Communications as Management Trainee in 1990 from where he moved to LTC Advertising as Group Head. In 1996, he moved to DDB Lagos (an affiliate of DDB Worldwide) as Associate Director. Since joining NLNG in 1998 as Head, Public Relations, Andy has served as Manager, Community Relations and Sustainable Development, Corporate Communication and Public Affairs,

Government Relations and Regulatory Affairs, Information Management and Technology, and Corporate Business Logistics and Services.

Andy has demonstrated proficiency in managing issues and business risks through guided communication and stakeholder engagement. He has fostered strategic partnerships with government, diplomatic corps, the media and various community stakeholders to protect the company's reputation and secure optimal business profit. Andy co-managed the commissioning of Nigeria LNG Plant by the President, Federal Republic of Nigeria, in 1999. To his credit, NLNG achieved consensus for construction of a new Oil & Gas Airstrip on Bonny Island, City & Guilds accreditation for Bonny Vocational Centre, and successful launch of the NLNG Economic Empowerment and Human Capacity Development initiatives.

Andy is a member of the Nigerian Institute of Public Relations (NIPR), International Association of Business Communicators (IABC), Public Relations Society of America (PRSA), and International Public Relations Association (IPRA).

## GENERAL MANAGER FINANCE

Fatima U. Adanan is the General Manager Finance for Nigeria LNG Limited. She is an accountant with about 25 years of experience in the oil and gas industry.

She has an accounting B.Sc. degree from Ahmadu Bello University and an M.Sc degree in Financial Management from Robert Gordon University in Aberdeen, United Kingdom. She is a fellow of the Institute of Public Administration of Nigeria, a member of the National Association of Accountants of Nigeria and an SAP Certified Finance Consultant.

Her career started in 1997 when she joined Nigerian National Petroleum Corporation (NNPC, now Nigerian National Petroleum Company Limited) as the Accountant, Banking and Cash Management, Treasury Group. She served in the Documentary Credit Section and the Cash Office, as well as in supervisory roles in Taxes, Invoicing and Inventory between 2001 and 2017 before she was appointed Deputy Manager LNG/Loan Origination, Monitoring and Accounting in 2017. In 2020, she became the Manager of LNG/Midstream Finance in an acting capacity and was appointed in full capacity in the same role in 2021.

In her roles at NNPC, Fatima facilitated the signing of the NLNG Framework Agreement which secured the financing of up to US\$2.5 billion to fund the NNPC CAPEX requirements of Upstream Gas Projects contracted to sell feedgas to NLNG, based on Gas Sales Agreements (GSA). Another highlight in her career was being part of the financing team that secured a US\$3 billion loan for NLNG's Train 7 project.

She has been recognised with awards and commendations for her contributions to major finance projects in NNPC.

She was working on the financing of the Ajaokuta-Abuja-Kaduna-Kano (AKK) Pipeline project to enable the construction and commissioning of the AKK pipeline that will boost gas utilisation in Nigeria: NNPC Refineries Rehabilitation, Pipeline and Depots and Train 7 Upstream Gas projects worth a total of estimated US\$15.2 billion before her secondment to NLNG as General Manager Finance in September, 2022.



**Fatima Adanan**





## GENERAL COUNSEL AND COMPANY SECRETARY

Akachukwu Adeyinka Nwokedi is the General Counsel and Company Secretary of Nigeria LNG Limited (NLNG). He holds a first degree and a master's degree in law from the prestigious University of Buckingham, United Kingdom. He is an accomplished legal professional with over 25 years of experience.

Aka started his working career in 1996 as an Associate Counsel with Uche Nwokedi & Co (Solicitors) before joining NLNG as Legal Counsel, Technical & Projects in 1999, rising to the position of Senior Counsel Technical & Projects, in which capacity he supported the corporate secretariats of NLNG and Bonny Gas Transport Limited (BGT). Notably, Aka also delivered the Gas Supply Agreements (GSA) for NLNG's Trains 3, 4 and 5 and the financing agreements for the NLNGPlus Project. He was also NLNG lead legal counsel for the development of the NLNG Trains 4 and 5 Sales and Purchase Agreements ('SPA') with TFE and Iberdrola and a part of the team that developed the NLNG shipping strategy in 2005. Aka has been pioneer Human Resources Manager for

Career Development and Talent Management and later the Human Resources and Services Manager for NLNG's Production Division. He has also served as Managing Director and Chief Executive Officer of NLNG Ship Management Limited (NSML), an NLNG subsidiary, repositioning the company from loss making to an organization delivering strong performance and sustained profit for the NLNG group.

Aka has strong leadership and motivational attributes with a proven track record in change management and driving organizational efficiency. He has led and delivered several complex assignments notable among which include Fit for 8 organizational effectiveness project, and relocation of NLNG Head Office from Lagos to Port Harcourt, Abuja, and Bonny locations within a 90-day window on schedule, within budget and without a safety incident. He is also a dedicated coach and mentor and is an INSEAD alumni. He has been Secretary General and currently the President of the Nigeria Gas Association (NGA).

## GENERAL MANAGER HUMAN RESOURCES

Terhemba Emmanuel Makeri is a seasoned HR practitioner with over 25 years' industry experience. He holds an upper second-class B.Sc. (Hons) degree in Political Science and Administration from the University of Maiduguri, M.Sc. in Public Administration from the same university and a Bachelor of Laws degree from the University of Benin.

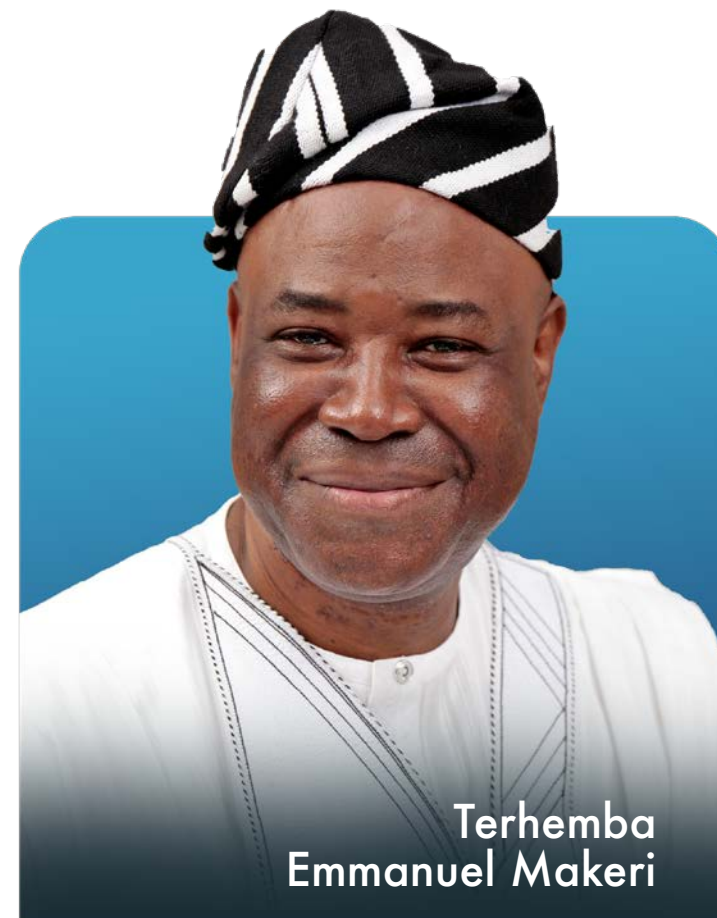
In January 1992, Terhemba started his career with Nigerian Petroleum Development Company Limited (NPDC), Benin (a subsidiary of the Nigerian National Petroleum Corporation, NNPC) as Officer, Records/ Appraisal/Discipline. From 1999 up to 2007, he participated in several organisation renewal projects amongst which was the Project PACE Transformation Project that reviewed NNPC organisational structure and delivered the Corporation's Performance Management System, a role that earned him the Group Managing Director's Commendation and accelerated promotion to the next salary grade.

Between December 2008 and March 2010, he was Technical Assistant to the Group General Manager, HR Division/Career Advisor in LNG & Power, Engineering and Technical Services Division (ETD) and Renewable Energy Division (RED) from where he moved to Hyson Nigeria Limited (another subsidiary of

NNPC) as Deputy Manager, HR and Admin. Services. He returned to NNPC's Corporate Headquarters as Deputy Manager, Recruitment/Budget Coordinator, HR Division in 2010, and in January 2015, became Manager, Personnel Information and Compensation. Between February 2016 and July 2017, he served as HR Team Lead for the Alpine/NNPC Restructuring Project.

Terhemba was seconded to Nigerian Content Development and Monitoring Board (NCDMB) as General Manager, Human Resources in August 2017. During his time at NCDMB, he eliminated duplications and minimised inefficiencies through a robust process review and realignment of activities and job roles, embedded a culture of continuous learning, and maintained industrial peace and harmony with zero downtime from industrial disputes.

He assumed duties as General Manager, Human Resources at Nigeria LNG Limited on 9th September 2020. Terhemba is a member of Nigerian Institute of Management, Chartered Institute of Personnel Management, Nigeria and Society for Human Resource Management. He is married with children.



**Terhemba  
Emmanuel Makeri**





## GENERAL MANAGER PRODUCTION

Nnamdi Anowi is the General Manager, Production. He graduated with a Bachelor Degree in Chemical Engineering from the University of Benin and has a Masters Degree in Petroleum Technology from the Curtin University of Technology Australia.

An accomplished Leader and Technical Professional in Engineering, Opportunity Management and Asset Management, Nnamdi has worked in the Upstream and Integrated Gas Energy sectors in various capacities for over 30 years, where he developed expertise in the areas of Process Engineering, Engineering Management, Projects, HSSE/Process Safety, Operations Support & Production System Optimisation, Integrity Management, Business Opportunity Management (BOM) and Asset Management, through various roles in Onshore, Shallow Offshore, Deep Water and Midstream Assets and Projects in diverse settings/countries across Royal Dutch Shell and Nigeria LNG.

Before taking up the role of Production Asset Manager – Common Facilities at NLNG in 2019, his last role in Royal Dutch Shell was Engineering Manager Nigeria (& TA1 for Process Engineering) between 2016 and 2019. He then returned to Shell briefly to support Integrated Gas Projects in 2023 before he was appointed GM Production for Nigeria LNG in June 2023.

Nnamdi is an integrative leader who is passionate about people development and business transformation. A Chartered Engineer, Fellow of IChemE and a volunteer assessor at the Institution, he is also a Member of the Nigerian Society of Engineers. He loves football (soccer) and is an ardent supporter of Leicester City Football Club. He is married to Chioma Anowi, and they are blessed with two lovely children Jidechukwu & Nonyelum.

## GENERAL MANAGER TECHNICAL

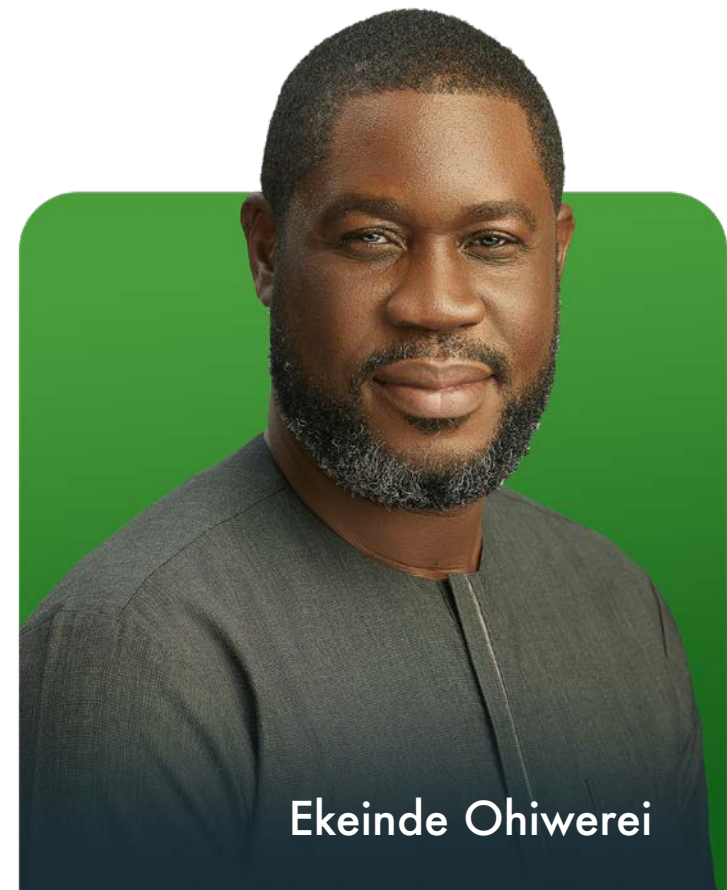
Ekeinde Ohiwerei has broad technical, commercial, and leadership skills acquired in a career working across various corporate activities and initiatives in Nigeria and Europe.

As the General Manager Technical Division in Nigeria LNG Limited, he is accountable for the delivery of medium capital projects, corporate engineering, and the company's digital transformation program. He is also driving the company's decarbonisation program.

He has led many functions and initiatives over the years including contracting, procurement and materi-

al logistics as well as establishing the company's local content, digital transformation and carbon abatement programs.

Ekeinde is an alumnus of the University of Ibadan, Loughborough University, Imperial College London, and INSEAD. He is also a member of the Nigerian Society of Engineers, the Council for the Regulation of Engineering in Nigeria (COREN), the Institute of Mechanical Engineering (UK) and the Chartered Institute of Procurement and Supply.



Ekeinde Ohiwerei



# Our Contributions to The Nigerian Economy

Nigeria LNG Limited (NLNG) is considered one of the most important economic projects in Nigeria. Since it began operations in 1999 when it shipped its first LNG cargo, the company has brought significant economic benefits to Nigeria.

NLNG has paid dividends of over

## USD40 billion

out of which **49 percent** went to the Federal Government of Nigeria courtesy of its shareholding in the company, via Nigerian National Petroleum Company, NNPC Limited.

DIVIDENDS





## TAXES

As a good corporate citizen, NLNG also contributes to national wealth and the economic wellbeing of states in which it operates, by paying all applicable taxes and tariffs. In 2021, the company's corporate income tax, including tertiary education tax, paid to the Federal Government of Nigeria amounted to about **USD427 million**



## FOREIGN DIRECT INVESTMENT (FDI)

With its plant construction, the company generated considerable Foreign Direct Investment (FDI) for the country. The project today has assets (i.e. property, plant, and equipment) worth about **USD19 billion** with 51 per cent stake owned by international oil companies and 49 per cent belonging to the country through the NNPC Ltd (NNPCL).



## JOB CREATION

NLNG provided more than **12,000 jobs** at the peak of construction of Trains 3, 4 and 5 respectively.. Overall, the major sub-contractors employed over 18,000 Nigerians in technical jobs in the Base Project (Trains 1 and 2). Through each Nigerian Content plan for its contracts, NLNG has promoted the development and employment of Nigerian manpower. Over 12,000 jobs will be generated during the construction phase of Train 7.



## FEEDGAS PAYMENT

Payment to Joint Venture (JV) feedgas suppliers from inception till date is about **USD 32 billion**. 55-60 per cent of such payment goes to the Federal Government of Nigeria via its shareholding in NNPC Ltd (NNPCL)



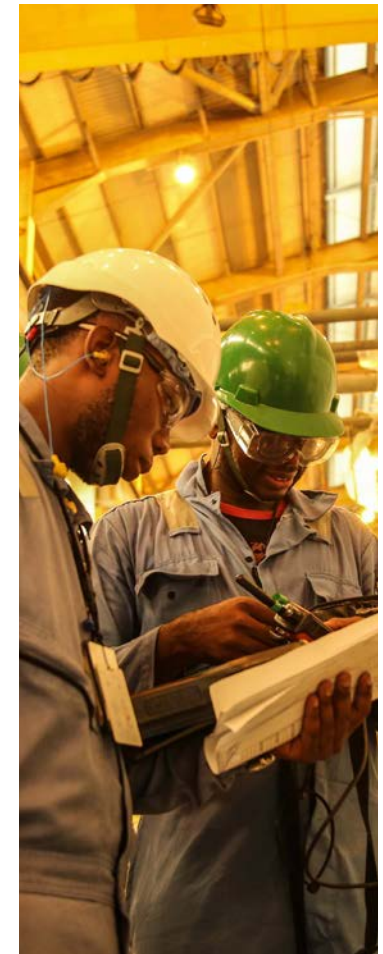
## GROSS DOMESTIC PRODUCT (GDP)

The company, since 2008, contributed about 4 percent of Nigeria's annual Gross Domestic Product (GDP). With rebasing of the GDP, NLNG's contribution to the GDP was put at about one per cent.



## LOCAL CONTENT DEVELOPMENT

NLNG supports the development of community and Nigerian contractors to enable them achieve standards of excellence, plus enhance their capacities and capabilities.





In our host community, through the initiative to empower local contractors, indigenous contractors have made human and capital investments in their companies thereby expanding their operating capacity.

The capabilities of local vendors have also been developed through mentoring and partnerships between more established Nigerian vendors and community vendors.

For Train 7, 55% of both engineering activities and procurement will be carried out in Nigeria, by Nigerian vendors.



### ENVIRONMENTAL HAZARD REDUCTION

Nigeria LNG Limited utilizes gas that would otherwise be flared by upstream companies. From 1999 to 2022, NLNG has converted 227.9 billion standard cubic meters or 8.05 trillion cubic feet of associated gas, to export as LNG and Natural Gas Liquids, thus making significant contributions to the nation's income.

NLNG has, in this way, contributed to reducing gas flaring from 65% in 2001 to less than 20%.

This has helped to protect the environment from the effects of gas flaring and has also enhanced government's earning by the monetization of this gas. The environment is further protected by the significant reduction in felling of trees for use as fuels. In addition, NLNG has contributed to a healthier nation by encouraging the use of cleaner energy through its domestic LPG supply programme which has also resulted in reduced expenditure on respiratory health issues.



### NIGERIANISATION

NLNG and its shareholders agreed on a Nigerianisation scheme on September 1, 1997. This was revisited and updated in 2004. The objective of the scheme which was to Nigerianise the company's workforce was achieved in 2012. The company is now run by a 100% Nigerian management team and 95% Nigerian staff.


NLNG, therefore, contributes to the reduction of unemployment figures in Nigeria and the development of skills and competencies critical to drive Nigeria towards a modern-day economy.



### VENDOR FINANCE SCHEME

NLNG recognises the fact that funding is the bane of the Nigerian manufacturing industry. This led, in 2013, to the introduction of the USD1 billion NLNG Local Vendors Finance Scheme (NLVFS) which was increased to USD1.2 billion in June 2017 with the introduction of an additional participating bank to the scheme making a total of six participating banks. The scheme facilitates access to funds from participating banks to NLNG registered vendors (suppliers of goods or contractors of services).

Under the scheme, vendors are able to get speedy access to finance and fairer financing terms. The fairer financing terms were secured using the leverage of NLNG's relationships with the banks.



## GROWING NIGERIA'S MARITIME SECTOR

NLNG Ship Management Limited (NSML), an NLNG subsidiary, is the biggest single employer of Nigerian seafarers. NLNG has trained hundreds of sea-going officers, some to the level of captains and chief engineers.

NLNG also continues to support the Maritime Academy of Nigeria, Oron, to train manpower for the industry. To this end, NLNG engaged Warsash Maritime Academy, Southampton to review the Nigerian academy's STCW 95 courses. Warsash Maritime Academy was also required to help facilitate the accreditation process of Maritime Academy of Nigeria, Oron, to enable them to issue MCA-approved certificates. The cost for these projects which includes purchase, installation, and test-running equipment for the Academy is fully borne by Nigeria LNG limited. NLNG has spent over **US \$100,000** on equipment, besides sponsorship of four lecturers and a Life Craft Technician to the United Kingdom for training. In 2010,

NLNG made a donation worth **N40 million** to the academy to facilitate training of officers in Proficiency in Survival Craft and Rescue Boat (PSCRB).



## DEEPENING DOMESTIC LPG AND LNG SECTORS

For over 10 years, NLNG's intervention in the supply of Liquefied Petroleum Gas (LPG) - otherwise known as cooking gas - to the domestic market under the NLNG Domestic LPG (DLPG) Scheme has guaranteed LPG supply, availability, and affordability, and has also stimulated the development of different parts of the DLPG value chain in Nigeria.

NLNG supplies about 40% of Nigeria's domestic LPG demand and, is currently the highest single supplier of LPG into the domestic market, delivering circa 400,000 tonnes of LPG into the market. 100% of produced LPG volumes from NLNG is dedicated to the domestic market. The actual volume is expected to grow with commissioning of Train 7. This is in line

with the vision to continually contribute to the growth in the sector and in helping to build a better Nigeria. The Company's first domestic Propane cargo was also delivered in 2021.

Furthermore, and in support of the Federal Government's Decade of Gas Initiative, NLNG has also commenced plans for the supply of LNG within the Nigerian domestic market. This initiative is expected to stimulate industrial growth in the sector, with conditional SPAs already executed with Nigerian companies as counterparts in the Domestic LNG scheme.



## SOME SOCIAL INVESTMENT INITIATIVES

Through The Nigeria Prize for Science, The Nigeria Prize for Literature, and The Nigeria Prize for Literary Criticism, NLNG has encouraged excellence in scientific research and innovation, creative and critical writing with visible results. This has also had salubrious effects in the country's publishing industry.





# ANTI-BRIBERY AND CORRUPTION (ABC) PRINCIPLES

In its policies, principles, and practices, NLNG is fully aligned to the United Nations Global Compact (UNGC) Principle 10 on anti-corruption which states that “businesses should work against corruption in all its forms, including extortion and bribery.”

NLNG is committed to upholding the highest standards of ethics in our relationships with employees,

customers, suppliers, shareholders, regulators, and our host communities.

This commitment is ensured through policies which guide the business in its relationships with stakeholders. Two of the key policies are: the NLNG Code of Conduct and the Anti-Bribery and Corruption (ABC) Policy. Consequently, the direct or indirect offer of improper payments, or the solicitation or acceptance of bribes in any form (including facilitation payments), are unacceptable.

Employees must avoid conflicts of interest between their private activities and their roles in the conduct of company business, and must declare to NLNG actual, potential and perceived conflicts of interest. All business transactions on

behalf of NLNG must be reported accurately in the accounts of the company in accordance with established procedures, and are subject to audit and disclosure. Everyone involved with NLNG's business must comply with the ABC laws of Nigeria and of the countries in which we operate and do business.

Involvement in acts of bribery and corruption can attract disciplinary action, dismissal, legal proceedings, and, possibly, imprisonment. NLNG's ABC programme focuses on sustaining the achievements from our ABC trainings, ensuring the whistleblower program retains the good faith of users, driving ethical conduct, enhancing integrity due diligence on counterparties while fulfilling the tenets of UN Global Compact (UNGC) membership.



## NLNG ETHICS LINE (WHISTLE-BLOWER PLATFORM)

As part of our commitment to fighting corruption, the NLNG Ethics Line has been in place for over a decade. The Ethics Line allows for confidential, anonymous submission of information on potential violation of laws, rules, regulations, or any policies.

The NLNG Ethics Line, or whistle-blower platform, is an anonymous, toll-free resource administered by an external party. No call tracing or recording devices are ever used, and reports made via the online resource are not traced either.

Whistle-blowers reserve the right to remain completely anonymous, should they choose. They can also receive feedback on blown whistles or track whistle progress through the external party's platform. NLNG will continue to ensure that staff, vendors, suppliers, counterparties, and other stakeholders are continuously encouraged to make good faith reports on unethical behaviour/misconduct. This is aimed at creating an environment that promotes values such as fairness, accountability, and ethical behaviour. Reported cases are monitored, investigated, and closed out within set timelines.

## CONFLICT OF INTEREST (COI)

NLNG requires all members of staff to declare any actual, perceived, or potential conflict situation that exists during the course of their employment

with the company. Declared conflicts are reviewed and resolved by company management. Employees are also required to declare any gifts and hospitality given/received in their capacity as employees from the company's business partners/associates.

The annual Conflict of Interest Declaration includes a process for members of staff to attest to their understanding of the NLNG Code of Conduct & Business Principles.

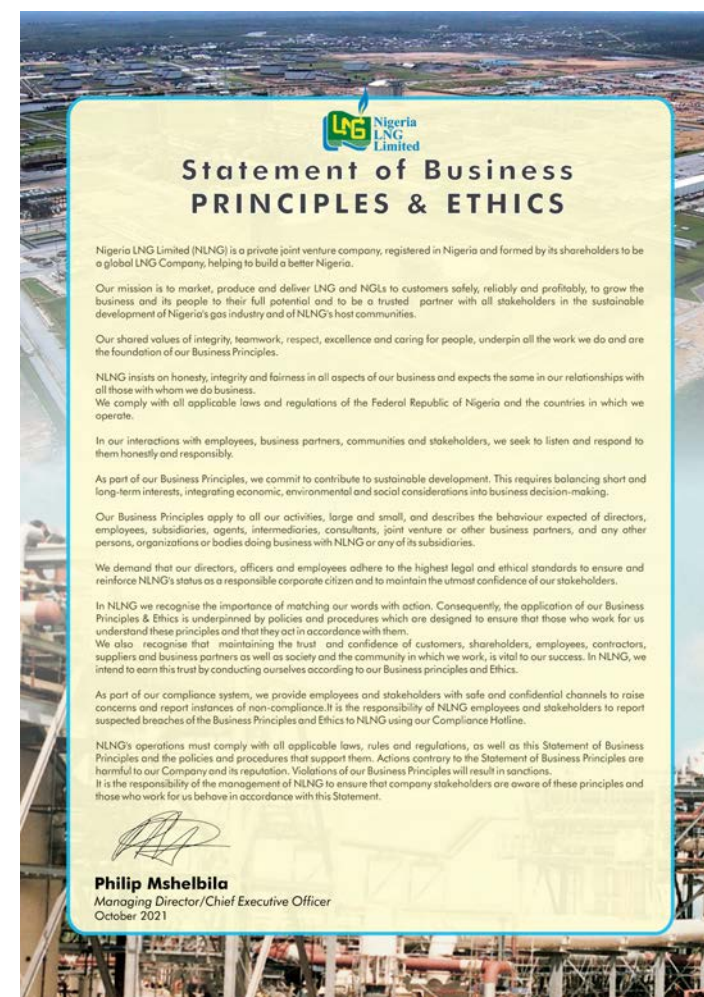
## COUNTERPARTY INTEGRITY DUE DILIGENCE (IDD)

As a practice, NLNG carries out integrity due diligence on all counterparties doing business with the company as a component of overall counterparty risk management.

## MEMBERSHIP OF UNITED NATIONS GLOBAL COMPACT (UNGC)

In December 2015, NLNG became a signatory to United Nations Global Compact (UNGC), the world's largest voluntary corporate responsibility initiative with business and non-business participants from 160 countries.

NLNG continues to maintain its active participation in the UNGC through annual voluntary contribution, timely submission of the annual Communication on Progress (COP), and CEO's statement of continued support as well as reaffirming its Signatory Level of engagement with the organisation.





# THE PLANT



Six LNG processing units (Trains) with a total nameplate processing capacity of **22 mtpa**

Our shareholders took a Final Investment Decision (FID) to build a Liquefied Natural Gas (LNG) plant in Finima, Bonny Island in Rivers State in November 1995. In December, a turnkey Engineering, Procurement, and Construction (EPC) contract was awarded to a consortium of Engineering firms comprised of Technip, Snamprogetti, M.W. Kellogg, and Japan Gas Corporation (TSKJ) for the Plant (consisting of two trains: Trains 1 and 2, called the Base Project), the Gas Transmission System (GTS) and the Residential Area (RA).

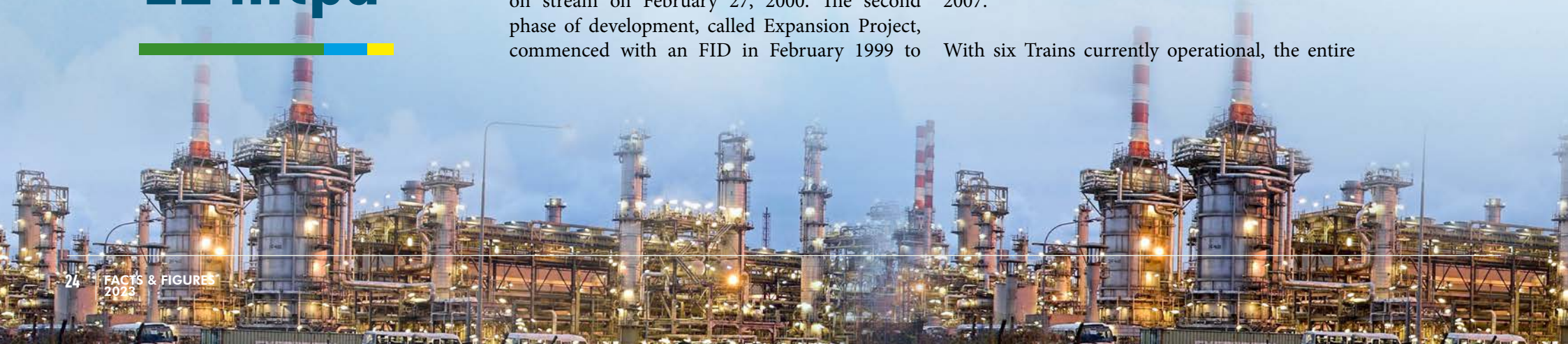
Construction at the Plant site commenced in February 1996 and on August 12, 1999, Train 2 was ready for start-up. Production of LNG commenced on September 15. Train 1 subsequently came on stream on February 27, 2000. The second phase of development, called Expansion Project, commenced with an FID in February 1999 to

develop Train 3 and the plant's Natural Gas Liquids (NGLs) Handling Unit (LHU) — condensate stabilisation and Liquefied Petroleum Gas (LPG) production units. The expansion project was completed and came into operation in November 2002.

The next phase of development called the NLNGPlus project, comprised of Trains 4 and 5, commenced with an FID in March 2002. Train 4 came on stream in November 2005 and Train 5 was started up in February 2006.

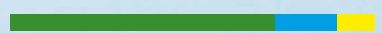
NLNG Six project, consisting of Train 6 and additional condensate processing, LPG storage, and Jetty facilities, commenced with an FID in 2004. Train 6 became operational in December 2007.

With six Trains currently operational, the entire





10 gas turbine generators with a combined capacity of more than **320 MW**



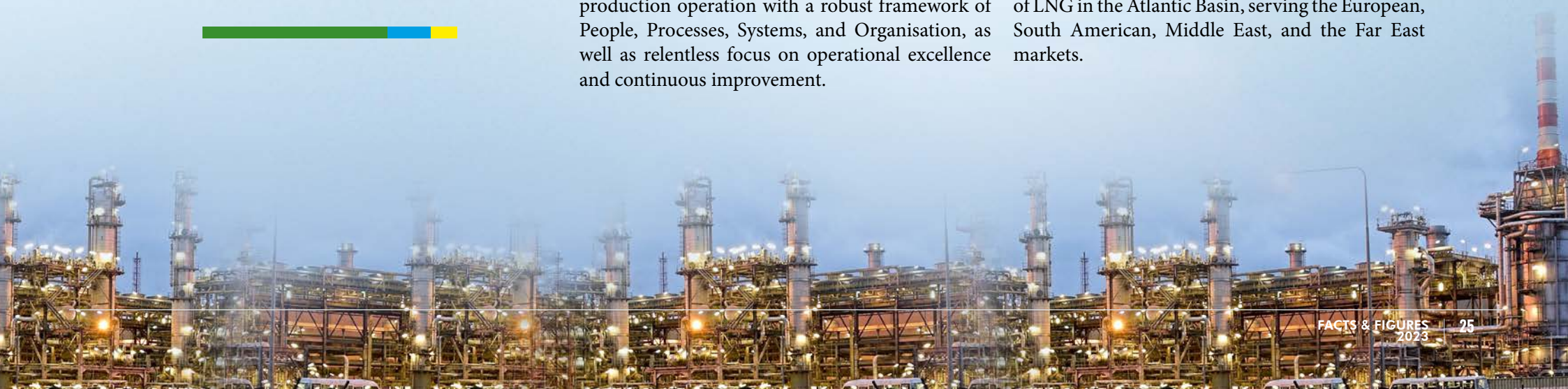
complex can produce 22 million tonnes per annum (mtpa) of LNG, and 5 mtpa of NGLs from 3.5 billion (standard) cubic feet per day (Bcf/d) of natural gas intake.

The building of Train 7, which will lift the total production capacity to 30 mtpa of LNG, is currently progressing. FID for Train 7 was taken in December 2019, while the signing of Engineering, Procurement, and Construction Contracts with SCD (Saipem, Chiyoda, and Daewoo) JV Consortium was completed in May 2020. The ground-breaking for Train 7 was done on 15 June 2021.

The Plant rapidly, and successfully made the transition from a construction project to a stable production operation with a robust framework of People, Processes, Systems, and Organisation, as well as relentless focus on operational excellence and continuous improvement.

In addition to leveraging on Asset Management Systems (AMS) to assure integrity, process safety, quality and reliability, opportunities are continuously sought to improve the Plant, incorporating proven techniques and processes to maximise production, and manage human interferences and impacts. All these activities are underpinned by Health, Safety, Security and Environment (HSSE) culture that continually seeks improvements in the safe and sustainable utilisation of our assets.

The Plant continues to rank amongst top performers worldwide; its performance is regularly benchmarked with other LNG plants around the world. NLNG has, within a short span of time, grown in status to become a very reliable supplier of LNG in the Atlantic Basin, serving the European, South American, Middle East, and the Far East markets.





The Plant is built on 2.27 sq.km of largely reclaimed land in Finima, Bonny Island. The main elements of the facilities already in operation are:

Diversified gas supply (Associated Gas and Non-Associated Gas) and six main dedicated gas transmission pipelines with four of them located onshore.

Six LNG processing units (Trains) with a total nameplate processing capacity of 22 mtpa.

Four LNG storage tanks, each with a capacity of 84,200 m<sup>3</sup> (nominal), 75,300 m<sup>3</sup> (working).

Four LPG refrigerated storage tanks, each with a capacity of 70,847 m<sup>3</sup> (nominal), 65,000 m<sup>3</sup> (working) - two each for propane and butane.

Three Condensate storage tanks, each with a capacity of 46,087 m<sup>3</sup> (nominal), 36,000 m<sup>3</sup> (working).

A common fractionation plant to process LPG.

Five Condensate stabilisation plants.

10 gas turbine generators with a combined capacity of more than 320 MW.

Two export jetties: one LNG and LPG, the other for LNG and Condensate.

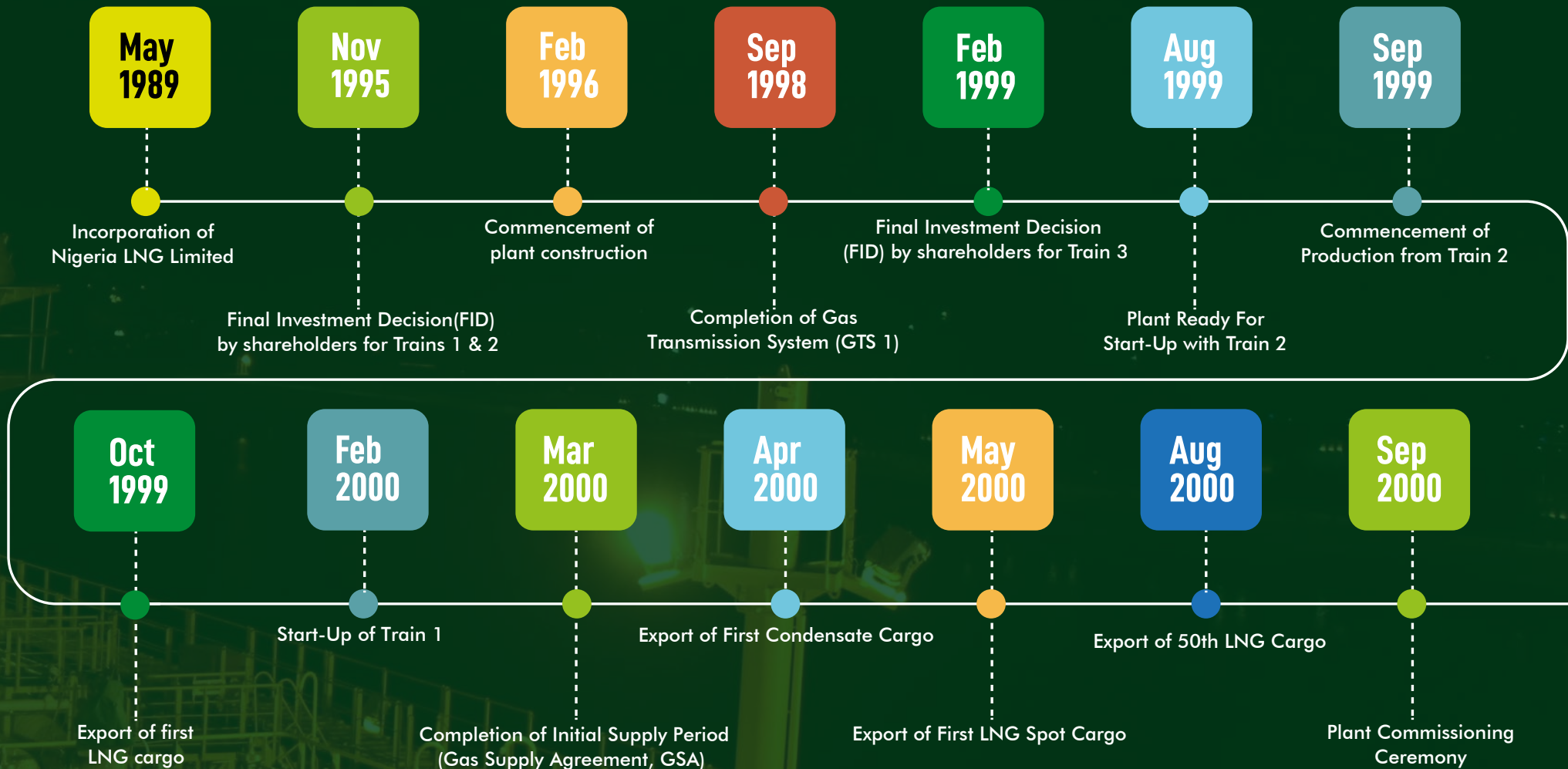
23 LNG ships dedicated to the service of NLNG.

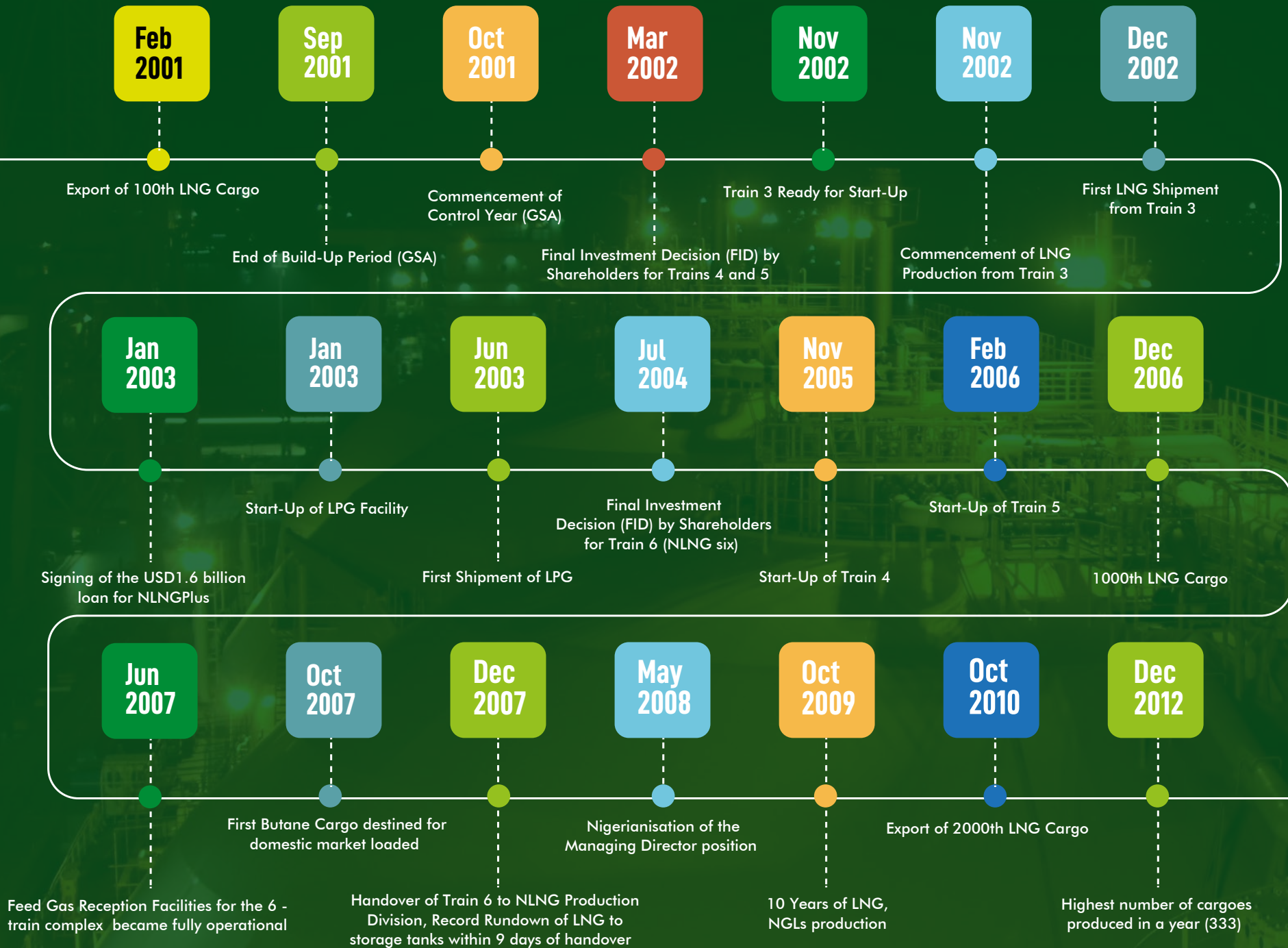
A Residential Area (RA) covering an area of more than two sq. km.

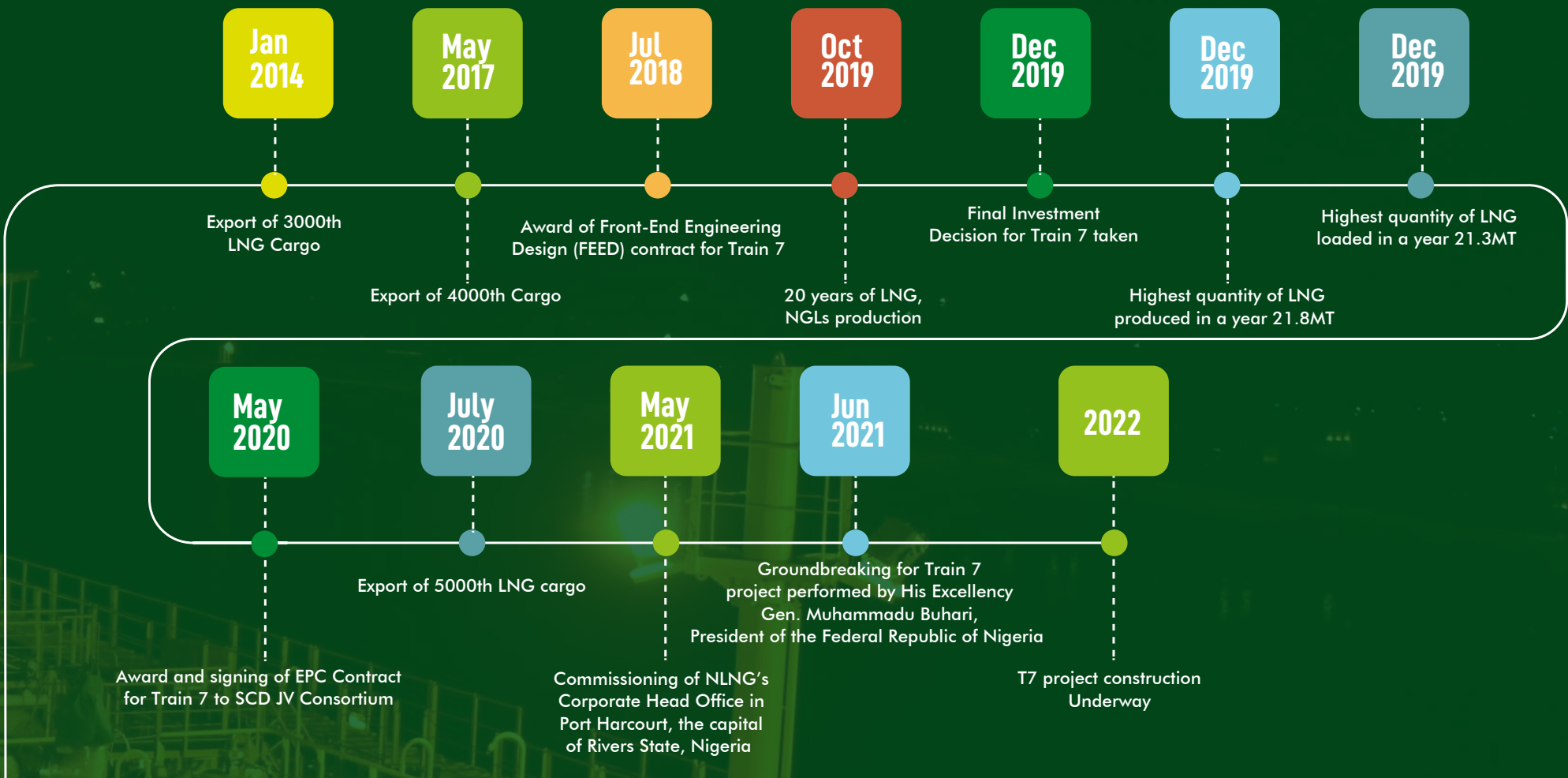
A materials' off-loading jetty and a passenger jetty/terminal.



# NLNG MAJOR MILESTONES

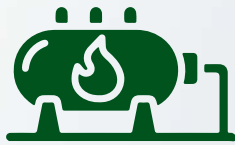








# GAS SUPPLY



Nigeria is blessed with abundant proven reserves of both associated and non-associated gas (AG and NAG), estimated to be about

## 208 Trillion

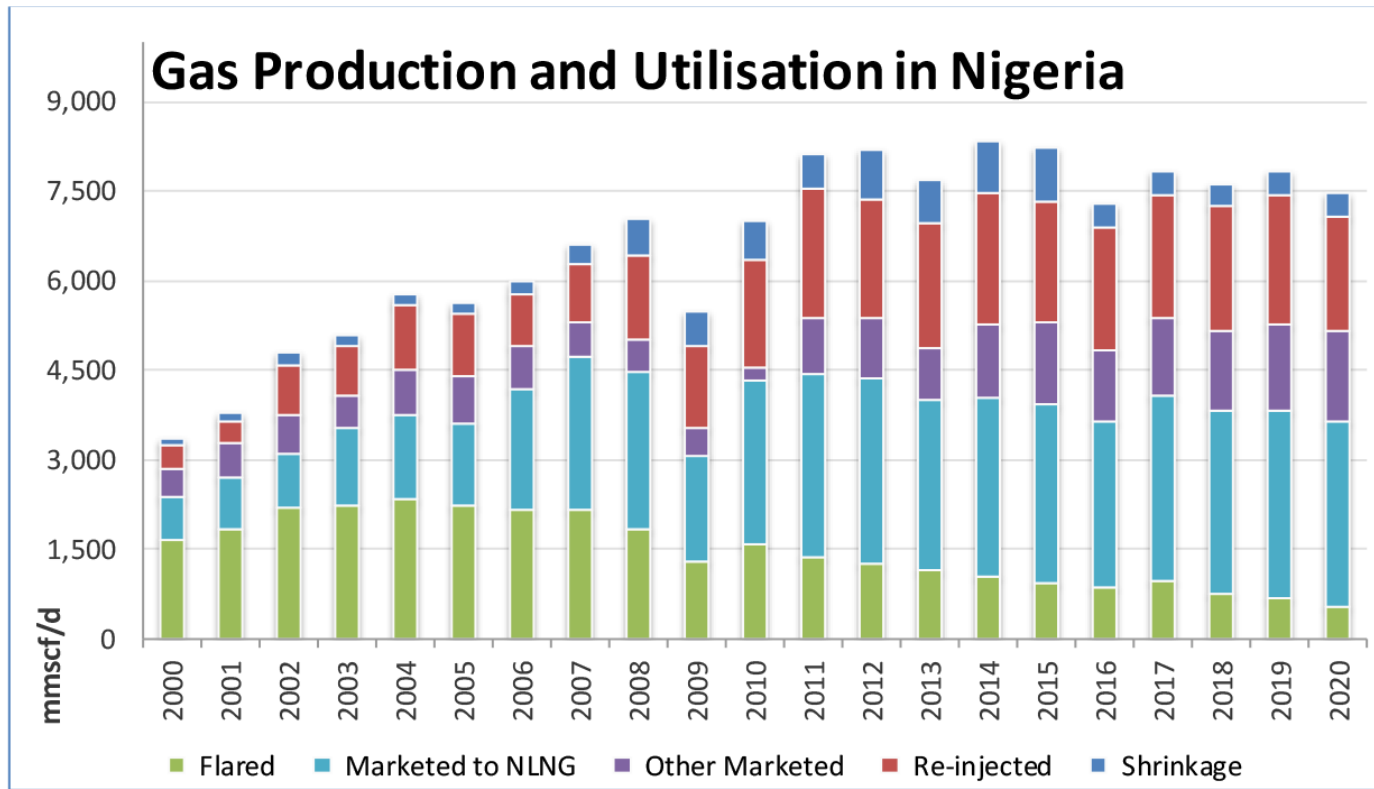
(standard) cubic feet (Tcf).

The country is ranked ninth in terms of proven natural gas reserves in the world. The natural gas reserves are estimated to be sufficient to sustain current production rates for up to 60 years. Geologists believe that there is a lot more gas to be found in Nigeria (potentially up to 600Tcf), if companies deliberately explore for gas, as opposed to finding it while in search of oil. The Nigerian government aims to eliminate all flaring of gas associated with the production of oil, and NLNG continues to play a significant part in this. In the period 1999-2022, NLNG has converted 227.9Bcm (Billion standard cubic meters) or 8.05Tcf (Trillion cubic feet) of Associated Gas (AG) to export products (equivalent to more than 2,916 LNG and NGL cargoes) which otherwise would have been flared.

NLNG is poised to help in further reducing upstream gas flaring with the anticipated improvements in the collection of associated

gas by gas suppliers and the anticipated seventh train for which an FID was signed by the NLNG shareholders in 2020 to enhance the processing capacity of the NLNG Bonny Plant Complex.

Other demands on the use of Nigeria's gas are for domestic power generation, domestic utilities, fertilizer, and petrochemical industries, as well as export for NGL, in addition to other gas projects such as those embarked upon by the West African Gas Pipeline Company Limited (WAGPCo) and future LNG projects. The NLNG six-train complex is the biggest gas consumer and exporter in Nigeria with its current daily consumption of almost 3.5 bcf/d, almost equivalent to the total daily consumption of industrialized countries like the Netherlands and Brazil.



2020	
Shrinkage	5%
Re-injection	26%
Market	21%
NLNG	42%
Flared	7%

Sources: NLNG, OPEC and NNPC Annual Statistics Bulletin

## GAS SUPPLY

Nigeria LNG Limited has long-term Gas Supply Agreements (GSAs) with three Joint Ventures (JVs) for the supply of natural gas (feed gas) to the plant. These JVs are Shell Petroleum Development Company of Nigeria Limited (SPDC), TotalEnergies and Nigerian Agip Oil Company Limited (NAOC).





# FEEDGAS

Feedgas is produced by the JVs from various concession areas in the Niger Delta – onshore and offshore fields—and supplied to NLNG under a long-term Gas Supply Agreement with each JV. The agreements ensure efficient gas supply to the NLNG plant throughout the life of the respective projects. SPDC JV currently supplies feed gas from several fields, including Gbaran Ubie, Soku, Bonny (onshore), Bonga, Tunu and EA (offshore) supply facilities, each receiving gas from a wide range of oil and gas fields. However, Bonga and EA offshore fields have been marked for diversion to the Nigerian domestic gas market via the Escravos Lagos Pipeline System (ELPS) in due course in compliance with the (Nigerian) Federal Government’s directive. Tunu which has been diverted to the domestic market may only supply feedgas to NLNG intermittently.

Additionally, under a special supply arrangement with the SPDC JV, an indigenous marginal field concessionaire/operator— Niger Delta Petroleum Resources (NDPR)— supplies natural gas to NLNG

from its Ogbelle-Obumeze oil and gas process facilities. At 35mmscf/d, it currently supplies less than 1% of NLNG’s daily feedstock, but with the potential to grow.

The NAOC JV supplies gas to NLNG from its Obiafu-Obrikom (OB-OB) Integrated Gas Supply centre which receives gas from a wide range of fields, including Idu, Akri, Kwale, Irri, Oshie, Tebidaba and Ebocha oil and gas fields. Also, under a special supply agreement with NAOC JV, MPNU supplies up to 100mmscf/d to the NLNG Plant Complex from the MPN-BRT facility.

The TEPNG JV derives gas supplied to the plant from the onshore Obite, Ibewa and Obagi fields. Additionally, natural gas rich in liquids is supplied to NLNG from its offshore Amenam and Akpo platforms. In December 2014, TEPNG commissioned delivery of some 35 to 40mmscf/d of associated gas from its Ofon project through its Amenam offshore plant as part of its flare reduction strategy.

## Details of the agreements are as follows: (% vol. of gas supply by each JV)

 <b>PROJECT NAME</b>	<b>Consolidated</b>		
 <b>TRAIN</b>	<b>1- 6</b>		
 <b>JOINT VENTURE COMPANY</b>	<b>NNPC/SPDC* /NA</b>	<b>NNPC/EPN</b>	<b>NNPC/NAO</b>
	<b>55.8</b>	<b>19.7</b>	<b>24.5</b>

\* — Operator  
 NNPC — NNPC Ltd  
 SPDC — Shell Petroleum Development Company of Nigeria Limited (Shell Affiliate)  
 NAOC — Nigerian Agip Oil Company (Eni Affiliate)  
 EPNL — Elf Petroleum (Nigeria) Limited, now Total Exploration & Production Nigeria (Total Affiliate)





# COMMERCIAL



With a six-train complex with nameplate capacities able to producing 22MTPA of LNG and 5MTPA of NGLs, NLNG can now safely load and deliver over

**300 cargoes**

of its products annually.

Since October 1999 when the first cargo of Liquefied Natural Gas (LNG) was loaded for delivery to Montoir Terminal in France, NLNG has maintained its reputation as a safe, reliable, responsible, and trusted supplier of LNG and Natural Gas Liquids (NGLs) worldwide. The NGLs comprise Condensates and Liquefied Petroleum Gas (LPG). With a six-train complex having nameplate capacities able to produce 22MTPA of LNG and 5MTPA of NGLs, NLNG can now safely load and deliver over 300 cargoes of its products annually. These volumes are expected to increase with the planned start-up of a seventh train, leading to a total production capacity of 30MTPA of LNG.

## LIQUEFIED NATURAL GAS (LNG)

NLNG currently manages several LNG Sale & Purchase Agreements (SPAs) executed with buyers on Delivered Ex-Ship (DES) and Free on Board (FOB) basis. The LNG Buyers include Naturgy S.A, Galp Gas Natural S.A, Endesa Generacion

S.A, ENI S.p.A, Pavilion Energy Spain S.A.U, Shell International Trading Middle East Ltd (SITME), TotalEnergies Gas and Power Limited (TEGPL), Vitol SA and NNPC LNG Limited. The first set of legacy SPAs for Trains 1 & 2 expired on 30th September 2021 and new remarketed SPAs commenced on 1st October 2021. The next set of legacy SPAs for Train 3 will be expiring in 2023/2024, with the volumes already included under the Trains 1-3 remarketed SPAs.

Within its suite of SPAs, NLNG delivers LNG on a global basis across markets spanning the Atlantic and Pacific basins. NLNG is dynamic in its commercial constructs, delivering cargoes both on DES and FOB basis and sometimes within short term optimization agreements – continually expanding the Company’s reach.

In line with the Company’s vision of “...helping to build a better Nigeria,” NLNG is also seeking to grow and expand its LNG footprint to the domestic space through

its Domestic LNG Scheme. Work has been ongoing with the execution of conditional SPAs in 2021 with Nigerian companies as domestic counterparts. This marked a significant moment in the history of NLNG and Nigeria, further lending support to the Federal government's launch of the Decade of Gas and underpinning a much-required industrialization and economic diversification drive. The Company continues to work with and support our counterparts in this regard as we look forward to kickstarting operations and delivering our first LNG cargo into Nigeria.

NLNG currently has over 70 Spot LNG Master Sale Agreements (MSAs) with various counterparties across major LNG markets and emerging demand centres, to enable the prompt sale and optimization of production volumes. Given the constantly evolving and volatile nature of the energy market, exemplified by the demand destruction during the covid pandemic and then the spike in European LNG demand/global gas prices due to the ongoing Russia-Ukraine war, the ability to remain a consistent and reliable supplier to our Buyers will continue to be a key success factor going forward.

### **NATURAL GAS LIQUIDS (NGLS)**

NLNG produces high quality NGLs, comprising Liquefied Petroleum Gas (LPG – Propane and Butane) and Condensates, as complementary

of the natural gas liquefaction process. NLNG currently has capacity to produce up to 5 million tonnes of NGLs per annum, though this number is expected to increase to about 7 million tonnes per annum when Train 7 comes into operation. The actual quantity of NGLs produced is however dependent on the richness of the feed gas supplied by our gas suppliers.

While Condensates volume is currently exported on a Free on Board (FOB) basis to pre-qualified counterparties, LPG (propane and butane) is prioritized for domestic supply under NLNG's Domestic LPG initiative aimed at boosting product availability in-country and supporting the adoption of cleaner energy sources.

### **DOMESTIC LPG SUPPLY**

For over 15 years, NLNG's intervention in the supply of Liquefied Petroleum Gas (LPG) in the form of Butane (otherwise known as cooking gas) and most recently Propane to the domestic market under the NLNG Domestic LPG (DLPG) Scheme has helped improve the quality of life which otherwise would have suffered some negative effects due to the use of dirty fuel sources for cooking. It has also stimulated growth in the industry by guaranteeing LPG supply availability and stability, enabling the development of an economic value network, and enhancing a sustainable ecosystem towards a better Nigeria.

Following the Domestic LPG Industry Study commissioned by NLNG in 2016 which projected growth of up to 3 million tonnes per annum by 2026, subject to the implementation of various intervention programmes across the value chain, NLNG intensified its advocacy drive with the government aimed at facilitating the implementation of specific industry and policy initiatives necessary for the attainment of this projected market growth and development. Part of this advocacy included collaborating with the Programme Management Office (PMO) driving the National LPG Expansion Initiative led by the Office of the Vice President of the Federal Republic of Nigeria.

NLNG has also maintained its leadership role in the industry, as a member of the Governing Council of Nigeria LPG Association. NLNG also became a member of the World LPG Association in 2017.

Between 2007 and 2022, NLNG has cumulatively supplied over 2.8 million tonnes of LPG into the domestic market, spurring a steady rise in annual domestic consumption in a market that was below 50,000 tonnes per annum in 2007 to over 1 million tonnes per annum in 2022. The Company's DLPG market deepening strategy yielded further dividends with the commencement of deliveries to Stockgap Terminal in Port Harcourt in 2019 as part of deliberate moves to encourage the growth of the sector beyond Lagos and reduce the impact of



congestion of the Lagos ports on deliveries into the market.

To ensure steady supply of products, deliveries are made in Lagos and Port Harcourt through NLNG’s dedicated vessel chartered for the DLPG Scheme with deliveries to Port Harcourt playing a significant role in deepening LPG supply in the southern and eastern corridors of the country. Also, in continuous demonstration of its vision of “...helping to build a better Nigeria,” last year, NLNG began the implementation of its commitment to delivering 100% of its annual LPG production into the domestic market, in line with the Company’s commitment to support the growth and development of Nigeria’s LPG industry.

The deliveries are made through Nigerian companies (off-takers) with whom NLNG has signed Sales and Purchase Agreements (SPAs). The number of these off-takers has increased from only six at the inception of the DLPG Scheme in 2007 and had attained a seven-fold increase by the end of 2022.

The Company supplied its first Propane cargo into the domestic market in 2021, going ahead to deliver 100KT of propane

in 2022. The Company has also developed a scheme to sustainably supply Propane for blending with Butane to meet the increasing demand for cooking gas, as well as helping to deepen other Propane use cases in the agro-allied, autogas, power and petrochemical sectors of the Nigerian economy as part of efforts to further deepen gas utilisation in Nigeria. These initiatives are designed to increase LPG availability in Nigeria, diversifying its uses, in support of the Federal Government’s Decade of Gas initiative.

### COMMERCIAL SHIPPING

NLNG has a total of 23 LNG vessels on long-term time charter for deliveries of LNG from its six-train operation, and one LPG vessel on bareboat charter used exclusively for LPG deliveries into the Nigerian domestic market. Where it becomes necessary, additional third-party vessels are chartered on ad hoc basis — spot or short term — to support NLNG’s cargo deliveries. All 23 LNG vessels are utilised on an integrated scheduling basis, while ensuring that the vessels in its fleet comply with the IMO and other regional regulations on greenhouse gas emissions.





# THE SHIPS: OWNERSHIP AND MANAGEMENT

## Ownership Structure

Bonny Gas Transport (BGT)	13 vessels - 6 DFDE and 7 steam ships
BW LNG	8 vessels - All steam ships
Nippon Yusen Kaisha (NYK)	2 vessels - All steam ships
E.A. Temile & Sons Company Nigeria Limited	1 LPG Vessel

## Operational and Technical Management

Managing/Operating Company	Vessel Owner	No. of Vessel
NLNG Ship Management Limited (NSML)	BGT	11
BW Gas	BW Gas	8
Northern Marine Management Limited (NMM)	BGT	2
NYK	NYK	2
NLNG Ship Management Limited (NSML)	E.A. Temile & Sons Company Nigeria Limited	1



# THE FUTURE

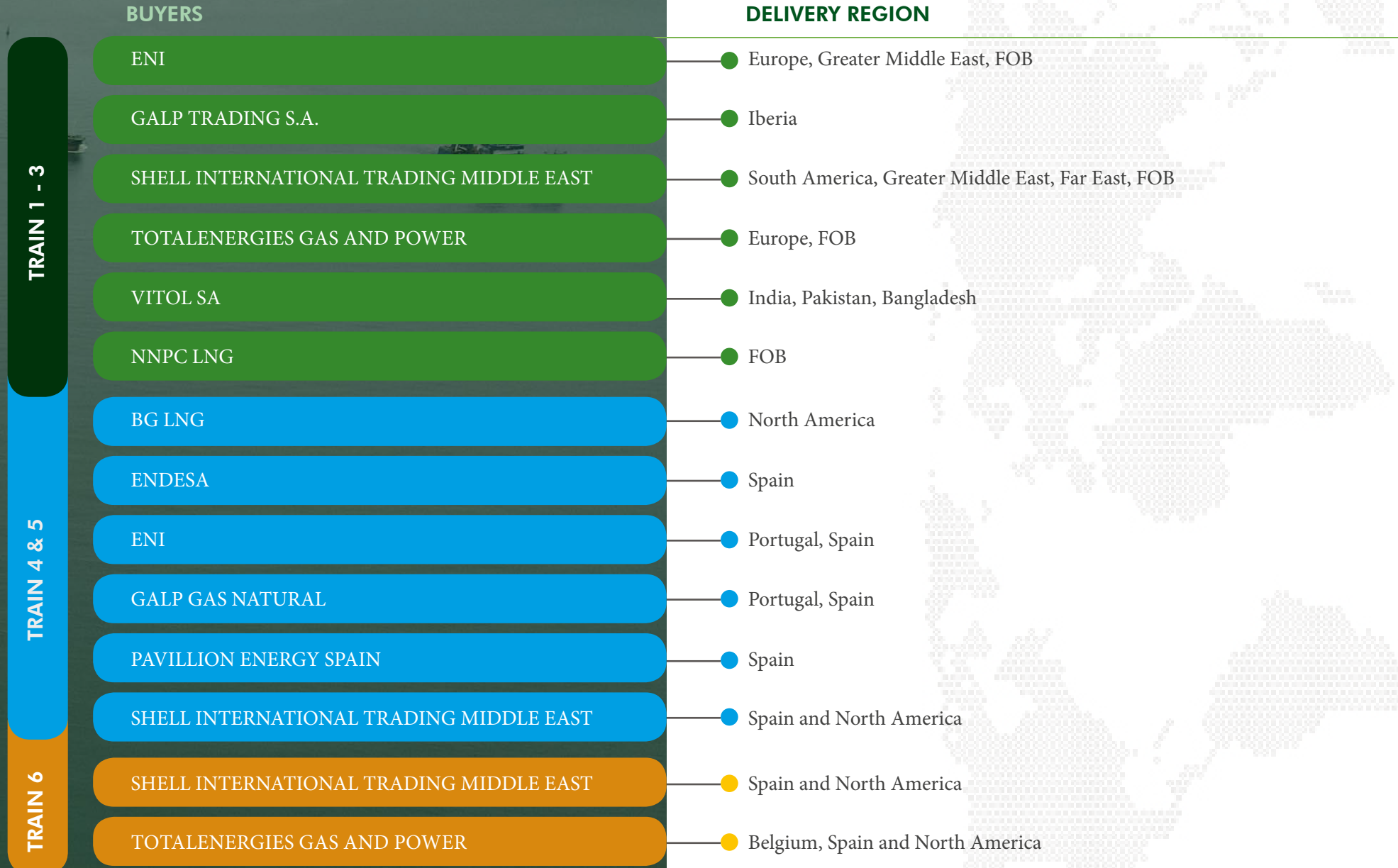
Following the successful Final Investment Decision on Train 7, the next few years are expected to be both challenging and exciting for NLNG as it works to safely deliver this new world-class facility within the context of the rapidly changing global energy landscape, particularly the drive for cleaner energy sources, while also maintaining its competitive position in the global LNG market.

NLNG's commercial focus will be continuous market repositioning to maintain its competitive edge towards ensuring optimal Value and Business Growth accretion for key stakeholders, leveraging on a range of strategic portfolio management and optimisation mechanisms including portfolio diversification, niche market origination, delivery schedule optimisation, SPA reviews for value, backhauls, and providing its 'LNG-as-a-Service' solutions. This is a commercial imperative even as it seeks to adapt to the changing market environments on the backdrop of continued market volatility, increased European LNG demand in the near-term resulting from the Russian gas supply disruptions, continued geopolitical risks, and an increased drive for cleaner energy sources in the light of global net-zero carbon emission goals.

Over the coming years, NLNG aims to continue to consolidate its position as not only one of the major and reliable suppliers of LNG in the world but as a flexible value-driven and dynamic LNG supplier. Notwithstanding the constrained upstream gas supply environment, NLNG continues to engage with its Buyers to find win-win solutions to minimise the impact to both Company and buyers.

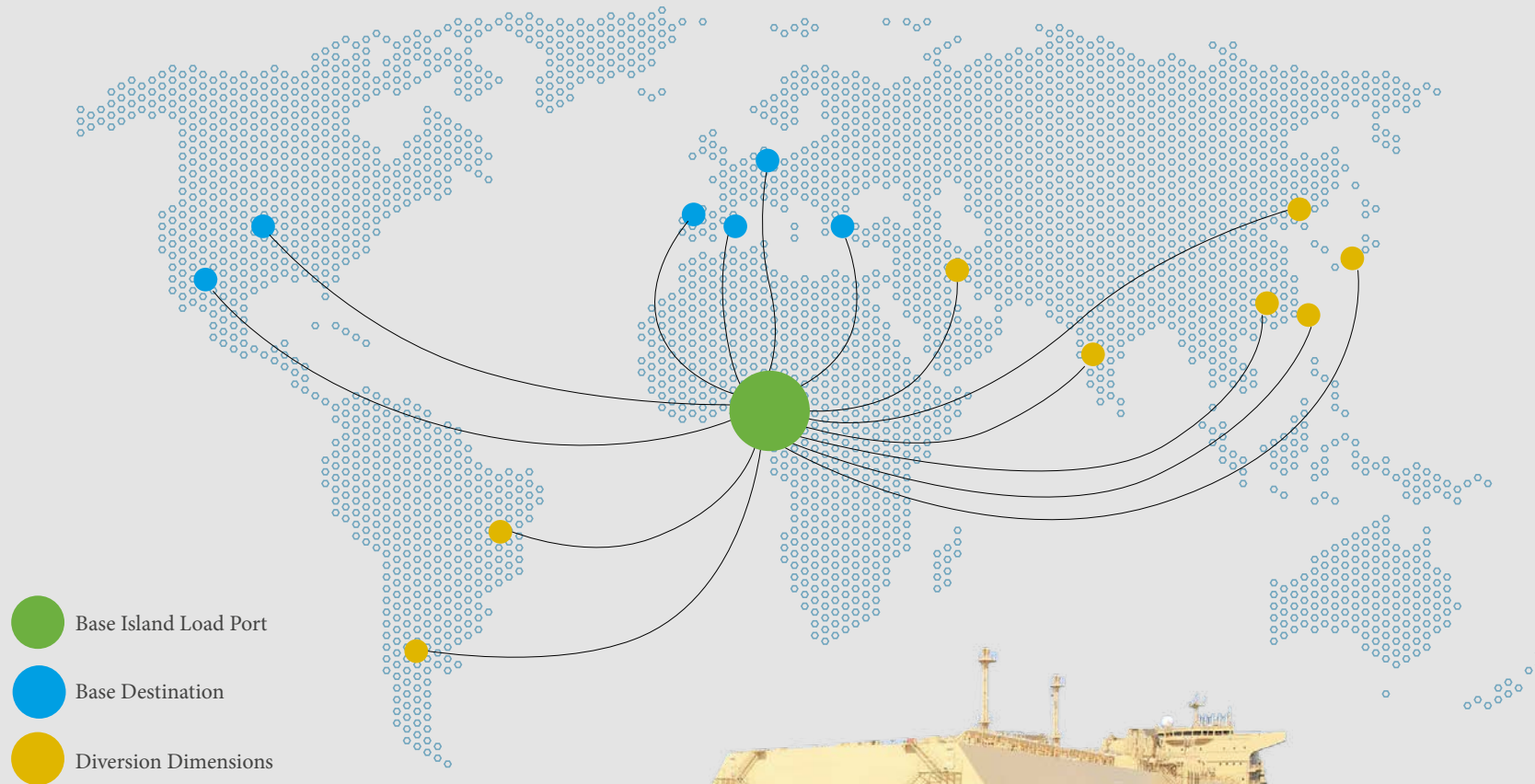
NLNG will continue to focus on helping to build a better Nigeria by supplying products, both LPG and LNG, into the domestic market, while exploring for opportunities to deliver molecules of LNG into the Sub-Saharan African (SSA) region as a means of helping to bridge the current energy gap towards moving the country and the rest of SSA towards achieving the United Nation's Sustainable Development Goals. In addition, NLNG also continues to prepare for the future, even as the energy transition drive imposes demands on market participants. With a well-defined Energy Transition Strategy in place, NLNG is in pole position to remain globally competitive in the new clean energy world order.

# Long Term Buyers' Chart





# Base and Diversion Destinations







*NLNG will continue to focus on helping to build a better Nigeria by supplying products, LPG and LNG, into the domestic market and into the African region as well.*





# NLNG SHIP MANAGEMENT LIMITED

NLNG Ship Management Limited (NSML) is a private limited liability company that provides a wide range of top-notch international shipping and maritime services including vessel technical management, manning and crew administration, maritime training, maritime consultancy, project management, and terminal management to Nigeria LNG Limited (NLNG), Bonny Gas Transport (BGT) Limited and other third-party companies/organisations domestically and internationally.

NSML was incorporated on October 9, 2008, as NLNG Ship Manning Limited, in response to rapid changes and challenges in the maritime business and the scarcity of competent shipboard personnel worldwide. The company, initially set up as a manning outfit, commenced full operations in August 2010. In 2014, the company was renamed NLNG Ship Management Limited after its rebirth as a full-fledged ship

management company in the wake of the integration of NLNG Shipping Services (NLNGSS) into the company. In 2017, following implementation of the NLNG Corporate Shipping Re-organisation Strategy, the Maritime Centre of Excellence [MCOE] and Terminal Management services were also integrated into the company.

## FLEET MANAGEMENT

NSML's Fleet Management department currently manages 11 LNG ships, (seven Steam and four Dual Fuel Diesel Electric) owned by Bonny Gas Transport (BGT). It also manages one (1) LPG vessel on behalf of NLNG for its domestic LPG operations.

The Fleet Management team ensures the vessels are operated in line with flag state, classification society, and global maritime industry





requirements and regulations. NSML ensures that these vessels are always sea- and cargo-worthy, thereby enabling NLNG to achieve its aims of delivering cargoes safely and reliably to its customers globally.

## **CREW MANAGEMENT AND ADMINISTRATION**

NSML's Human Resources department ensures that the vessels are manned by competent and qualified personnel (officers and ratings) in line with Flag state requirements; and ensures the appropriate staffing needs of the company is met. The HR department operates to the highest safety and international maritime standards by ensuring that adequate competent manpower is available onboard BGT and NLNG vessels, and all NLNG operations always. NSML has continued to implement the Nigerianisation Plan on all its managed vessels, and the company has achieved the set target for Nigerianisation.

As of January 2023, NSML has over 700 seafarers (officers and ratings) in its employment, making it the largest employer of competent and qualified seafarers in Nigeria. It provides crew (officers and ratings) to man 14 vessels (13 BGT LNG vessels + 1 NLNG chartered LPG vessel), and competent personnel to manage the NLNG Terminal in Bonny Island.

## **TERMINAL MANAGEMENT SERVICES**

NSML's Terminal Services department currently manages the NLNG Terminal in Bonny Island and provides efficient port operations services, ensuring the safe and timely shipment of export cargoes from the terminal. The

terminal is managed by competent personnel who oversee the daily operations at the NLNG terminal and jetties on Bonny Island and adopt a 'just-in-time' philosophy which ensures ships are berthed as soon as they arrive and depart immediately loading is completed.

Other functions of the Terminal Services department include jetty vessel scheduling for export vessels, loading support for export vessels, interface with government officials, management of material off-loading facilities (MOF) jetties for maintenance, repair, operational and domestic supplies to the plant and NLNG Residential Area, operation of vessel traffic management systems, marine crafts contract management and operation, provision of support services, oil spill response services and maintenance of the Bonny Channel waterfront.

The Terminal Services team is also responsible for the operations and management of the Vessel Traffic Information Management System (VTIMS) at the NLNG marine control building (MCB) on Bonny Island. The VTIMS is operated under the International Association of Marine Aids to Navigation and Lighthouse Authorities" (IALA) guide as a "Local Port Service" (LPS) to monitor, inform and advise vessels bound for, or leaving, NLNG facility, thereby assisting in safety of navigation and environmental protection in and around Bonny waters and NLNG marine facilities.

## **NSML MARITIME CENTRE OF EXCELLENCE (MCOE)**

The MCOE is a one-stop maritime consulting and training outfit set up to provide marine and shipping technical services, maritime training, maritime project management,



*NSML's Fleet Management Department currently manages 11 LNG ships, (seven Steam and four Dual Fuel Diesel Electric owned by Bonny Gas Transport (BGT), NLNG's shipping subsidiary). It also manages one LPG vessel on behalf of Nigeria LNG Limited for its Domestic LPG operations.*



and maritime consultancy services to NLNG, BGT and the wider maritime industry. The MCOE is situated on Bonny Island and is endowed with state-of-the-art bridge and engine simulators to carry out accredited and certified maritime trainings, simulations, and research. The centre has the following national and international accreditations:

1. NIMASA accreditation as a Maritime Training Institute [MTI] and accreditation to conduct STCW courses.
2. Marshall Islands Flag Administration accreditation to conduct STCW and Seafarers' training courses.
3. Bermuda Accreditation for liquefied training for gas tanker operations.
4. DNV-GL accredited Maritime Simulator Centre and Maritime Training centre.
5. ISO 9001:2015 by DNV-GL.

NSML remains focused on becoming a stronger player in the international maritime industry, poised to harness and support the shipping needs of its parent company Nigeria LNG Limited, and its foremost client BGT, and by also extending the provision of its topnotch services to third-parties in the medium to long term with a view to increase revenue, remain profitable and sustainable, in line with its strategic growth and diversification objectives. The company also seeks to further deepen its footprint in the domestic and international maritime sector as a reliable, valuable, and responsible Nigerian company helping to support the growth and development of the Nigerian maritime sector.



# SHIPPING MILESTONES

**Dec  
1989**

Incorporation of Bonny Gas Company (formerly Enelligence Limited); renamed BGT Limited on September 1, 1991)

**Jan  
1990**

BGT acquired its 1st two vessels, LNG Bonny and LNG Finima

**May  
1990**

BGT commenced time charter with Malaysia LNG

**June  
1990**

BGT exercised its options to purchase LNG Lagos (formerly named Gastor) and LNG Port Harcourt (formerly Nestor) from Nedlloyd and Ocean Group respectively

**Aug  
1999**

Contract with Hyundai Heavy Industries (HHI) for the construction of two new builds, Hulls 1295 and 1296 (LNG Rivers and LNG Sokoto, respectively)

**Sep  
1999**

BGT and NLNG signed Time Charter Party for four vessels

**Oct  
1999**

LNG Lagos delivered 1st NLNG cargo to Enel at Montoir LNG Terminal, France

**Nov  
2000**

Contract with Hyundai Heavy Industries for the construction of LNG Bayelsa

**Feb  
2001**

LNG Bonny loaded NLNG's 100th Cargo.

**Aug  
2001**

Ownership of two vessels (LNG Edo and LNG Abuja) transferred to BGT

**Oct  
2001**

LNG Abuja delivered NLNG's 1st spot cargo to Europe

**Apr  
2003**

Yusuf A. Hambali joined LNG Bayelsa as the 1st NLNG-trained captain

**Sep  
2003**

LNG Lagos delivered NLNG's 400th cargo to Enel at Montoir LNG Terminal, France

**Dec  
2004**

LNG Abuja loaded NLNG's 500 cargo

**Mar  
2005**

1st batch of Nigerian ratings joined LNG Sokoto

**Sep  
2005**

Successful BGT Nigerianisation: Capt Temilola Okesanjo appointed General Manager of Bonny Gas Transport (BGT), 1st Nigerian to hold the position



**Dec  
2007**

1st Ship-to-Ship transfer of LPG destined for domestic market from BW Saga to Blue Gas

**Jun  
2009**

Signing of Training Agreement with AESML

**Jun  
2009**

Signing of Ship Management Agreement with STASCo

**Nov  
2010**

NLNG 2000th cargo delivered by LNG Sokoto to Naturgy (formerly Gas Natural Fenosa) at Barcelona

**Jan  
2011**

NLNG executed a Training MOU (Memorandum of Understanding for a scheme of Ship Management Knowledge Transfer) with AESML

**Sep  
2012**

Election of NLNG into the Oil Companies International Marine Forum (OCIMF) SIRE Focus Group (SFG)

**Nov  
2012**

LNG Rivers achieved Ten Years TRC free

**Nov  
2012**

Bahamas Authority issued NLNGSS with Interim Bahamas DOC allowing NLNGSS to manage Bahaman vessels

**Mar  
2013**

Signing of loan / Financing documents for USD310 million Additional Program Debt (APD) and US\$1.1 billion New Vessel Debt (NVD) for BGT Plus vessels construction

**Jun  
2013**

Issuance of ISO 9001 and 14001 full accreditation to NLNGSS

**Jun  
2014**

LNG Lokoja loaded the 3000th LNG Cargo to Marmara Terminal, Turkey

**Apr  
2014**

Steel cutting for Hull No. 2076: 1st steel cutting for BGT Plus Project in South Korea, signalling commencement of construction of BGT Plus new builds

**May  
2014**

59 trainees departed Nigeria for the 1st batch of ship construction training at Hyundai Heavy Industries (HHI) facilities in South Korea in fulfilment of the Memorandum of Agreement between NLNG/BGT and HHI

**May  
2014**

HHI commenced training of Nigerian technicians in basic welding, electrical work and painting at Bonny Vocational Centre (BVC)

**Aug  
2014**

Commencement of changeover of vessel management of ten BGT vessels from NLNGSS to NSML

**Aug  
2014**

10 BGT vessels under NSML management achieved two million man hours TRC free.



**Sep  
2014**

20,000 metres of low voltage cable exported from Nexans Kabelmetal in Nigeria to South Korea, following a successful factory acceptance test (FAT) in Lagos. This completes the total of 180,000 metres of cable exported by Nexans Kabel metal: 80,000 metres to Samsung Heavy Industries (SHI) and 100,000 metres to HHI

**Oct  
2014**

Management changeover of LNG Finima from NLNGSS to NSML, signalling completion of transition of all NLNGSS-managed vessels to NSML

**Nov  
2014**

Five Nigerian trainee managers departed Nigeria for the HHI shipyard in South Korea for training in areas including HSE management, Quality Assurance and Quality Control management

**Dec  
2014**

Investors' Roadshow Event for the Nigerian dry-docking and ship repair yard project held in Lagos, Nigeria, to provide opportunity for investors to express effective interest in further development of the project as being promoted by NLNG/BGT, SHI, HHI and facilitated by Royal Haskoning DHV

**Dec  
2014**

57 trainees departed Nigeria for the 1st batch of ship construction training at the Samsung Heavy Industries (SHI) facilities in South Korea as part of human capacity development in ship construction in fulfilment of the Memorandum of Agreement between NLNG/BGT and SHI

**Dec  
2014**

SHI commenced training of Nigerian technicians in basic welding, electrical work and painting at Bonny Vocational Centre (BVC)

**Aug  
2015**

Vessel Traffic Information Management System (VTIMS) completed at Bonny terminal

**Dec  
2015**

Training of six (6) batches of trainees on the Hyundai Heavy Industries (HHI) basic welding training programme at the Bonny Vocational Centre (BVC) was successfully completed. A total of 80 Nigerians were trained in basic welding.

**Dec  
2015**

New build DFDE vessel, LNG Bonny II, was delivered to BGT from Hyundai Heavy Industries (South Korea) and was simultaneously delivered into long term charter to NLNG

**Dec  
2015**

New build DFDE vessel, LNG Port Harcourt II, was delivered to BGT from Samsung Heavy Industries (South Korea) and was simultaneously delivered into long term charter to NLNG

**Jan  
2016**

New build DFDE vessel, LNG Lagos II, was delivered to BGT from Hyundai Heavy Industries (South Korea) and was simultaneously delivered into long term charter to NLNG

**Mar  
2016**

New build DFDE vessel, LNG Abuja II, was delivered to BGT from Samsung Heavy Industries (South Korea) and was simultaneously delivered into long term charter to NLNG



Jun  
2016

New build DFDE vessel, LNG Abalamabie, was delivered to BGT from Samsung Heavy Industries (South Korea) and was simultaneously delivered into long term charter to NLNG, marking the successful completion of the BGT Plus Project

Aug  
2017

Implementation of the Shipping Strategy leading to the dissolution of the erstwhile Shipping Division and integration of the various shipping functions into other divisions within NLNG and NSML.

Apr  
2018

Award of contract for construction of LPG vessel for Domestic LPG operation to E.A. Temile & Sons Company Limited, the 1st indigenous company to own a vessel of such capacity for domestic operation.

May  
2020

E.A. Temile's LPG vessel makes maiden loading at NLNG's Bonny terminal

### Ecoport Certification

NLNG Terminal, Bonny Island, managed by NSML, has achieved Ecoport Port Environmental Review System (PERS) certification. Ecoport PERS is the only port sector specific environmental management standard mainly achieved by leading ports/terminals globally. The terminal is the first port/terminal to be certified in Sub Sahara Africa (West, Central and Southern Africa).

The certification attests that the facilities and operations of NLNG Bonny Terminal comply with requirements of leading environmental management practices; and confirms NSML as a first class, accomplished terminal manager.









# FINANCE

## FINANCIAL TRANSPARENCY

In line with NLNG's commitment to transparency and a culture of integrity, below is a summary of NLNG Financials from 1999 - 2022.

Dividend, Gas Purchases, Taxes, Fees, Levies & Other Payments and Remittances

	Revenue	Capital Investment	Dividend - NNPC	Gas Purchase - NNPC	Gas Purchase - Escrow*	CIT & ET	PAYE	Withholding Tax (Fed & States)
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
1999	22,803,710.85	3,721,153,000.00		5,002,469.41			214,536.86	450,600.38
2000	857,089,563.89	1,222,691,000.00		75,546,943.70			387,255.67	1,166,160.13
2001	1,197,512,881.78	316,365,000.00		104,217,698.00			1,338,317.31	2,740,238.26
2002	1,096,717,252.18	1,385,373,000.00		92,423,391.47			2,499,982.22	8,218,111.30
2003	1,932,406,674.63	1,115,840,000.00		157,589,875.47			3,704,830.27	13,019,332.19
2004	2,283,689,973.84	902,799,000.00	278,860,715.00	197,367,717.18			4,930,158.13	12,868,081.91
2005	2,648,255,030.90	1,858,718,761.65	57,425,460.17	227,841,442.79			7,410,211.04	13,617,067.30
2006	4,601,530,129.66	1,575,884,238.35	332,979,540.83	385,754,760.39			9,876,666.10	14,472,871.19
2007	6,285,939,490.19	306,446,000.00	842,956,858.80	539,907,637.66			14,623,192.08	16,002,092.31
2008	9,066,785,809.02	1,651,638,000.00	2,613,170,000.00	749,668,208.76			22,136,751.52	19,258,486.62
2009	4,542,271,827.24	225,196,000.00	848,680,000.00	563,486,750.31			21,904,055.84	8,684,721.82
2010	6,968,091,772.39	93,150,000.00	1,401,400,000.00	1,362,128,476.13	111,940,116.07		28,535,128.20	12,634,790.19
2011	9,972,440,902.38	49,749,000.00	2,509,780,000.00	1,492,919,026.95	160,139,868.84	65,080,000.00	45,945,458.22	13,868,850.83
2012	11,591,840,993.55	152,434,370.00	2,768,990,000.00	1,699,946,647.21	251,558,126.62	107,037,404.06	36,415,164.66	14,532,599.24
2013	9,668,258,456.57	220,286,889.87	1,260,704,340.00	1,495,877,533.42	276,657,618.78	118,592,000.00	44,337,802.05	276,064,838.79
2014	10,791,380,802.13	24,762,275.28	1,389,908,436.93	1,536,193,150.35	254,063,733.17	1,402,003,000.00	46,903,130.17	295,949,844.42
2015	6,843,087,203.00	864,757,745.76	1,043,764,965.12	1,184,460,184.43	97,713,152.45	2,169,918,000.00	42,842,418.54	222,465,084.25
2016	4,722,534,907.86	881,841,176.00	356,126,898.44	717,721,972.35	66,624,691.98	323,273,784.39	31,321,964.76	85,226,188.11
2017	6,013,708,481.39	208,844,403.11	798,140,840.45	835,581,266.34	167,174,567.51	606,668,750.00	15,038,621.66	173,837,414.43
2018	6,871,746,181.63	372,926,418.79	904,498,502.96	990,423,524.31	148,622,213.15	863,828,230.95	34,850,866.72	195,523,947.54
2019	6,314,901,836.61	334,667,218.07	915,645,702.33	819,307,749.07	148,475,191.12	942,562,000.00	43,339,903.48	199,659,918.48
2020	4,333,362,544.13	586,207,942.52	545,132,646.11	708,364,211.94	41,007,417.88	295,551,329.21	35,150,608.85	127,475,955.97
2021	5,653,653,299.70	1,247,302,645.00	722,436,140.42	782,870,383.40	49,295,437.77	426,940,749.60	32,560,643.37	178,170,565.02
2022	7,598,408,105.86	1,218,014,787.00	1,102,564,271.09	1,192,551,438.25	44,466,424.29	699,613,499.31	33,059,753.45	256,902,211.89
	<b>131,878,417,831.38</b>	<b>20,537,048,871.41</b>	<b>20,693,165,318.66</b>	<b>17,917,152,459.30</b>	<b>1,817,738,559.63</b>	<b>8,021,068,747.51</b>	<b>559,327,421.19</b>	<b>2,162,809,972.60</b>

Dividend, Gas Purchases, Taxes, Fees, Levies & Other Payments and Remittances

					IOCs	
					Shell, TotalEnergies & ENI	Shell, TotalEnergies, ENI & Conoco/Philli/Oando
VAT	NPA	State and LGA Levies & Taxes	Regulatory Fees, Levies, etc	Local Contracts for Goods & Services	Dividend [Net of WHT]	Gas Purchase
US\$		US\$	US\$	US\$	US\$	US\$
		0.00	186,748.61	526,491.63		3,734,394.03
		0.00	2,110,001.52	60,418,813.56		56,117,734.50
		0.00	73,124.25	123,835,097.88		77,580,114.08
		0.00	5,642,655.13	110,032,640.30		68,922,750.43
		0.00	9,331,135.83	137,233,239.13		118,227,301.18
		0.00	845,395.91	129,776,946.09	290,242,785.00	148,547,977.73
950,818.19		0.00	1,484,839.32	106,154,951.16	59,769,356.50	171,712,215.91
546,081.73		0.00	1,397,779.67	90,638,026.36	346,570,542.50	288,675,316.19
1,236,082.39		29.42	1,929,573.03	135,560,486.00	877,363,261.20	404,623,981.61
6,104,914.88	63,745,001.07	727,391.06	2,488,550.07	426,365,713.43	2,719,830,000.00	560,374,091.45
28,653,732.65	18,618,194.34	686,820.30	2,097,842.05	534,276,889.73	883,320,000.00	418,539,787.44
113,338,456.46	50,948,169.72	702,008.90	3,677,857.53	357,513,031.42	1,458,600,000.00	1,071,357,337.05
153,937,798.29	98,730,942.92	681,272.00	8,552,581.67	334,660,394.75	2,612,220,000.00	1,232,962,297.65
165,483,195.64	83,494,449.00	1,122,180.00	9,362,074.54	305,120,943.56	2,882,010,000.00	1,459,004,508.53
133,438,610.66	67,019,392.99	900,292.59	163,180,598.02	813,139,454.26	1,337,890,320.00	1,304,952,121.81
23,976,580.33	70,427,359.68	1,160,679.13	52,288,195.09	821,755,463.14	1,482,889,884.34	1,347,812,929.81
20,156,589.72	62,328,394.82	2,178,341.84	34,413,408.31	610,818,236.56	1,116,544,495.00	961,969,175.45
24,598,056.38	60,572,820.28	1,027,505.72	23,777,843.64	548,353,076.59	380,958,876.05	593,162,346.83
23,163,355.57	71,345,261.68	764,357.19	39,065,528.13	509,167,605.92	853,793,518.10	728,573,697.09
23,623,765.53	78,176,503.11	729,346.16	41,985,701.03	460,439,514.64	967,567,276.13	818,989,101.39
20,824,491.73	86,503,063.69	1,056,266.30	34,929,771.49	515,664,419.31	979,491,746.19	702,221,065.89
38,595,048.42	75,928,862.68	2,118,817.01	32,074,986.21	455,902,749.79	583,143,595.93	501,388,179.60
42,019,947.28	69,300,550.27	789,076.02	46,313,710.65	628,528,419.30	772,810,088.99	582,306,452.16
36,108,674.41	68,155,930.75	774,684.22	31,706,479.09	900,651,725.53	1,162,697,477.20	858,058,806.61
<b>856,756,200.25</b>	<b>1,025,294,897.00</b>	<b>15,419,067.86</b>	<b>548,916,380.79</b>	<b>7,587,354,185.21</b>	<b>21,767,713,223.14</b>	<b>14,479,813,684.43</b>





The ECA GOVERNMENT backed facilities as well as the African Development Bank facility had eight-year tenure. The facilities have been fully repaid as at 15 December 2010, with a USD20 million short-term ‘placeholder’ financing remaining in place.

The financial discipline and character demonstrated by NLNG in abiding by the loan covenants, terms and conditions throughout the tenure has significantly increased the appetite of international lenders for financing opportunities involving the company.

### TRAIN 6

Final Investment Decision (FID) for NLNGSix

was taken in July 2004 for the sum of USD1,748 million. Train 6 was principally financed from internally generated funds. Start-Up was December 14, 2007 and production commenced on 23 December 2007.

### TRAIN 7

Train 7 is being built using a combination of funding from NLNG’s Balance Sheet and the first-of-a kind USD3 billion multiple-sourced finance deal signed with 30 reputable institutions. Sumitomo Mitsui Banking Corp. (SMBC) and Guaranty Trust Bank of Nigeria were the Financial Advisers on the transaction which involved Export Credit Agencies, Development Financial Institutions, international commercial

banks, and Nigerian banks.

### MILESTONE LOAN REPAYMENT

December 2017 heralded the full and final repayment of NLNG’s Shareholder Loan facility which spanned over two decades and summed up to USD5.45 bln. All principal and interest repayments were made without a single default. The consolidated loan had contributed towards funding the Base Project, Expansion Project, NLNGPlus Project and Train 6. A ceremony was subsequently held to commemorate this milestone achievement in July 2018 which also served as a platform for market sounding for the then upcoming Train 7 financing.





## FINANCING THE SHIPS

### TRAINS 1 & 2 (BASE PROJECT)

In 1990, the company raised a third-party loan of USD132 million through Citibank to acquire four ships for the Base Project. The ships, built for another company but not put to use, were refurbished and put into interim business until the plant began operations.

### TRAIN 3 (EXPANSION PROJECT)

Following the Third Train Expansion, three vessels were acquired by BGT. Their construction was partly funded with third party financing, viz: LNG Rivers and LNG Sokoto were financed with USD160 million syndicated loan which was signed on December 20, 1999. Credit-Suisse First Boston was the lead arranger for this facility for which repayment started in 2002 following the delivery of the second vessel.

The third external debt in connection with BGT fleet was the loan inherited from the acquisition of two ex-Lachmarships (LNG Edo and LNG Abuja) from NLNG on August 1, 2001 when the outstanding debt stood at USD210 million.

In September 2001, another syndicated bank loan for USD100 million was arranged to assist with the construction of LNG Bayelsa. Again, Credit-Suisse

First Boston played the lead role. The vessel was delivered in February 2003.

### TRAINS 4 & 5 (NLNGPLUS PROJECT)

Hyundai Industries and Daewoo Shipyard built the eight additional ships needed for NLNGPlus project. Of the eight vessels, BGT owns four while others were chartered from BW GAS ASA of Norway. BGT raised USD460 million in March 2003 to partly fund the construction of the vessels. This facility was arranged by ABN AMRO Bank, Credit Lyonnais, Fortis, ING Bank, HVB, Verein und Westbank and West LB. The balance of USD282 million came from internally generated revenue and shareholders' funds. BGT refinanced all the foregoing third party facilities in 2006 with a USD680 million facility through Standard Chartered Bank. This was secured against seven of the vessels in BGT's fleet.

### TRAIN 6

Following Train 6 Final Investment Decision (FID), six LNG vessels were built and delivered at a combined cost of USD957 million on long term charter to NLNG. The vessels were built at Daewoo Shipyard and Samsung Shipyard in South Korea. Four of the vessels were chartered from BW GAS ASA of Norway and two from NYK LNG (Atlantic) Ltd of Japan.

## EXPANDED BUSINESS

Production from the six-train plant approached name-plate capacity and LNG is now delivered to more distant destinations, in response to changing business opportunities. As a result, additional shipping capacity became necessary.

In April 2013, Bonny Gas Transport ordered six new vessels to be constructed by Hyundai Heavy Industries (two ships) and Samsung Heavy Industries (four ships). Three vessels were delivered in 2015, with the last three delivered in 2016. Financing for the six vessels was arranged in two programmes: a USD310 million six-year Additional Programme Debt (APD) facility and a USD1,100 million twelve-year New Vessel Debt (NVD) facility. The APD was raised as additional indebtedness under the 2006 USD680 million facility vessel financing arrangement, while the NVD was a new facility with several international commercial banks and Export Credit Agencies as lenders, including Korean Export-Import Bank (KEXIM) and Korean Trade Insurance Corporation (K-SURE). The deals were signed off on March 26, 2013. Both the APD and NVD facilities have been fully drawn down. With a six-year tenor, the APD loan was fully repaid on the 29th of March 2019 while the NVD is due to be fully repaid by 2025.



*Train 7 is being built from a combination of funding from NLNG's Balance Sheet and the*

# **USD3 billion**

*multiple-sourced finance deal which NLNG recently signed with 30 reputable institutions.*





# OUR CONTRIBUTIONS TO NIGERIAN CONTENT



**NLNG signed a first of its kind business-to-business Service Level Agreement (SLA) with NCDMB, shortening contracting cycle and cutting project costs.**

**For most companies, doing business with NLNG leads to improved business processes and capacity**

**First Nigerian Company to carry out Asset Management for NLNG**

**Computer-Based Testing Centre established on Bonny Island as Nigerian content Fallout of Contract to Invensys (a Nigerian company)**

**Nigerian indigenous companies successfully carried out early work for NLNG Train 7 Project**

**First Nigeria Bucket technician and Shim Pinning Engineer trained by GE**

**Partnered to grow capacity and capability to produce High Density Polypropylene pipe for water reticulation in Bonny**

**06**

Nigerians participated in the ship construction at HHI's Ulsan shipyard as ship managers

**98%**

Nigerianization achieved for manpower used in General Electric's IGV relocation and PIP installation/upgrade

**54**

Vendors from community trained at Bonny Vocational Centre in Business Development and Project Management

**180**

Nigerians trained in ship building in HHI and SHI shipyards in South Korea

**420**

Nigerians trained in welding, painting and electrical works at Bonny Vocational Centre by Hyundai Heavy Industries and Samsung Heavy Industries

# NIGERIAN CONTENT



*NLNG's performance in Nigerian Content is a critical value driver to the business. Hence, it is governed and monitored by a committee of the Board of Directors and the Senior Management Team.*



## NLNG AND NIGERIAN CONTENT

Nigeria LNG Limited (NLNG) considers Nigerian Content a critical aspect of business sustainability and a profound opportunity for economic development in line with our vision of helping to build a better Nigeria. In the company, Nigerian content development has grown beyond compliance, such that all approved Nigerian Content Plans focus on attaining maximum achievable Nigerian Content deliverables, the goal being to achieve the minimum targets set in the Nigerian Oil and Gas Industry Content Development (NOGICD) Act 2010. By embedding the requirements of the NOGICD Act 2010 in all its contracting and procurement processes, the company has enshrined Nigerian Content as a key deliverable.

NLNG's performance in Nigerian Content is a critical value driver to the business. Hence, it is governed and monitored by a committee of the Board of Directors and the Senior Management Team. These teams work in consonance to ensure full compliance with the NOGICD Act 2010, and other guidelines issued by the Nigerian Content Monitoring and Development Board (NCDMB).

## NLNG AND NIGERIAN CONTENT DEVELOPMENT AND MONITORING BOARD (NCDMB)

The Nigerian Content Development and Monitoring Board (NCDMB) is the regulatory body responsible for promoting the participation of Nigerians in the oil and gas industry. In a collaborative initiative, and to strengthen its relationship with NCDMB, in May 2017, NLNG signed a business-to-business Service Level Agreement (SLA) with NCDMB. The SLA became necessary because of the peculiar nature of NLNG's operations which is time sensitive. The SLA was a key strategy for shortening the contracting cycle, cutting the cost of projects, and improving compliance with the Nigerian Content Act 2010. It is worthy of note that this was the first of its kind in the oil and gas industry in Nigeria and it supports the Federal Government's drive to enhance the ease of doing business in Nigeria. The SLA strategy was quite successful, leading to an industry wide roll-out by NCDMB.

NLNG has always collaborated with NCDMB and other industry stakeholders in seeking innovative ways of promoting Nigerian Content and ensuring sustainability of executed projects. Following this



philosophy, NLNG has achieved several notable successes over the years, some of which are briefly detailed below.

## MARINE AND SHIP BUILDING

A key initiative in shipping was the contract award by Bonny Gas Transport (BGT), a wholly owned subsidiary of NLNG, for construction of six new Dual Fuel Diesel Electric (DFDE) LNG carriers — four (4) by Samsung Heavy Industries (SHI) and two (2) by Hyundai Heavy Industries (HHI) surnamed the BGT Plus Project. The six vessels built in South Korea under the BGT Plus Project have been delivered, thereby enhancing the level of Nigerian ownership and shipping capacity in the fleet through the government's holding in NLNG.

Below, are some of the Nigerian goods and materials exported to South Korea for use in the construction of the six new DFDE LNG carriers:

- PCMN and Berger Paints Nigeria Plc exported 480,000 litres of paints to both Samsung and Hyundai shipyards in South Korea.
- Nexans Kabelmetal exported over 180,000 metres of low voltage (LV) cables from Nigeria to South Korea.
- Metec West Africa produced over 9,000 pieces or 158 tons of Aluminium and Zinc sacrificial anodes that were shipped and installed in the new ships in South Korea.
- Two Nigerian companies, IO Furniture Limited and Vina International Limited made and shipped

moveable furniture to South Korea for the six new ships.

b) Training of over 700 Nigerians in ship building in both Nigeria and the contractors' shipyards in South Korea. 120 of these were trained at Samsung Heavy Industries South Korean shipyard.

c) Utilization of qualified Nigerians in the contractors' shipyards as part of the workforce for the construction of the vessels.

d) Promotion of the establishment of a ship-repair yard in Nigeria for in-country development of repair and maintenance capacity for LNG ships and other large carriers by commissioning a feasibility study to that effect. Efforts still underway in collaboration with other industry stakeholders to bring this dream to reality.

e) Setting up of the Maritime Centre of Excellence (MCOE) on Bonny Island to provide marine and technical shipping services.

f) Thirty-five Nigerian trainees participated in the construction of six DFDE ships in South Korea. Over 420 Nigerians completed the basic welding training at the Bonny Vocational Centre training facilities by Hyundai Heavy Industries and Samsung Heavy Industries. The training facilities of HHI and SHI have been handed over to Bonny Vocational Centre (BVC).

This enhances the capacity of BVC to train more Nigerians on basic and advanced welding using state of the art equipment. Six Nigerians participated in the ship construction at HHI's Ulsan shipyard as ship managers (two production managers, two QA/QC managers and two HSE managers).



## CAPACITY DEVELOPMENT

Training of Nigerians in the acquisition of DFDE experience commenced in 2014 and includes cross-posting to companies currently managing this class of vessels, shipboard experience on board DFDE vessels, and deployment to shipyards. The Ship Management Knowledge Transfer Project (SMKTP) initiated in 2008 with Shell International Trading and Shipping Company Limited (STASCo) was successfully completed in 2014.

Milestones include the birth of NLNG Ship Management Services (NLNGSS), a ship management department in NLNG, the phased take-over of the management of BGT vessels by NLNGSS, and the complete integration, in December 2014, of NLNGSS with NLNG Ship Manning Limited to form a new company, NLNG Ship Management Limited (NSML), the subsidiary dedicated to providing ship manning and management services to NLNG and the international maritime industry. In addition, NLNG continues to embed human capacity development programmes on the back of some of its high-value contracts. Nigerian graduates are trained in various areas of industry skills and competencies, including award of professional certifications.

## ACCESS TO AFFORDABLE FINANCE

NLNG vendors continue to benefit from the USD1.2 billion NLNG Local Vendors Financing Scheme (NLVFS) which offers funding at very

competitive rates to Nigerian vendors. Over N10 billion has been disbursed to NLNG vendors under the scheme to date.

## SERVICES AND PROCUREMENT

NLNG encourages full participation of Nigerian companies in its contracting and procurement processes while maintaining international standards on quality, cost, schedule, ethics, health, safety, and environmental protection. Examples of recent major awards made to Nigerian service providers include: Two Nigerian companies currently managing the Marine Operations Strategy Contract, a deliberate effort by NLNG towards encouraging in-country assembly of passenger boats, escort boats, RIB craft in Nigerian shipyards, and utilizing Nigerian materials and human resources in the assembly of the vessels.

## COMMUNITY VENDOR DEVELOPMENT

In a proactive bid to identify more Nigerian sources capable of providing the goods and services required by NLNG, Nigerian Content surveys and vendor fora are conducted at scheduled intervals especially the recently instituted Nigerian Content Opportunity Fair for host community vendors designed to intimate community vendors of opportunities within the NLNG business, and further assist to upscale skill sets in Nigerian content compliance, business development and contracting strategy.

These development activities have resulted in

laudable achievements, concerning community vendors some of which are detailed below:

- Through NLNG's initiative to empower local contractors via the Finima Legacy Project, 11 host community-based contractors have made capital investments in their companies thereby expanding their operating capacity. The Finima Legacy Projects for 50 and 20 houses were initiated by NLNG to fulfil promises made to the community. The contractors were involved in the civil and electrical infrastructure for the construction of 4-bedroom bungalows.
- Strategic partnerships between the more established Nigerian vendors and the community vendors, as in the case of SJ Abed and Vikal Nigeria Enterprise for the provision of catering services was also achieved.
- Fifty-four vendors from the community have been trained at Bonny Vocational Centre to improve their skills in business development and project management. NLNG's deliberate strategies implemented to increase spend in the community have led to a significant increase in year-on-year spend.

## NIGERIAN CONTENT AND VENDOR DEVELOPMENT

Doing business with NLNG has engendered improvement in some of our vendors' business processes and led them to upgrade their facilities



and capacity to meet very stringent requirements. For instance, in the past, NLNG worked with Dorman Long Nigeria Limited and Nigerdock Nigeria PLC to enhance their galvanizing capability, with Nexans Kabelmetal to increase manufacturing capacity and with Nigerian Foundries to improve their processes for the manufacture of trench gratings and manhole covers.

In recent times, Metec West Africa and Nexans Kabelmetal, through NLNG's Nigerian Content initiatives, have undergone inspection and international class certification for the manufacture and supply of sacrificial anodes and low voltage (LV) cables respectively to meet the requirements of marine applications in ship building.

Deliberate technology transfer initiative has enabled Waste Pipe & Drainages (WPD) Nigeria Limited to complete safely and successfully the change-out of all nominated compressed air dryer bed desiccants in U-4700 (14 vessels in total). This makes WPD the second Nigerian contractor with this level of competence and capability.

The company can now compete in LNG trains mole sieve bed change-out with Cakasa, the only contractor with this kind of experience hitherto. Recently also, NLNG partnered with Nigerian Foundries, a Nigerian company, to produce eight numbers 10-ton Test Weights which a UK company was unable to manufacture. The transaction demonstrated the technical and commercial capability of the Nigerian vendor.

Other indigenous companies which have recently benefited from NLNG Nigerian Content Policy implementation drive include Berger Paints PLC, Paints and Coatings Manufacturers Nigeria PLC (PCMN), Dornier Aviation Nigeria AIEP Limited (DANA),

Holborn Nigeria Limited, Niger Delta Petroleum Resources and Midis Energy Services Limited.

## RESEARCH AND DEVELOPMENT

NLNG recognises that research and development is the principal pillar for a sustainable industry and ensuring gains in locally domiciled skills are both retained and advanced. For these reasons, it initiated the University Support Programme (USP), across the six geo-political zones of Nigeria. Nigeria LNG Limited spent over \$12 million in six universities (\$2million apiece) to build modern engineering laboratories and equip all these laboratories with state-of-the-art engineering equipment. This continues to foster research and development in beneficiary institutions of learning.

## NIGERIAN CONTENT ACHIEVEMENTS BY NLNG'S CONTRACTORS

### General Electric Contract Services Agreement (GE-CSA) and Nigerianisation:

Nigeria LNG has a long-term service agreement with the gas turbine manufacturer, GE, for services and the supply of parts necessary to perform planned turnaround maintenance works on NLNG's gas turbines which play a major role in the company's business operations.

NLNG has 22 gas turbines in its facility. Over the years, the contractor has achieved Nigerianisation for 10 of the 11 positions in NLNG GE-CSA team. The contractor has also attained almost 98% Nigerianisation of the manpower used in outages in previous years, and 98% Nigerianisation for the manpower used in the Inlet Guide



*Over the years, the contractor has achieved Nigerianisation for 10 of the 11 positions in NLNG GE-CSA team. The contractor has also attained almost 98% Nigerianisation of the manpower used in outages in previous years, and 98% Nigerianisation for the manpower used in the Inlet Guide Vane (IGV) relocation and Parts Improvement Programme (PIP) installation/upgrade.*





Vane (IGV) relocation and Parts Improvement Programme (PIP) installation/upgrade. Furthermore, GE has trained the first Nigerian Bucket technicians and Shim Pinning engineers for maintenance of turbines in this specialty field.

### **Invensys’s Computer–Based Testing Centre**

A computer-based testing centre was delivered in Bonny by Invensys, a Nigerian company, as part of the Nigerian Content deliverables in its contract. The centre ensures that youths from Bonny Island who had hitherto faced difficulties in commuting to Port Harcourt and other locations through local boats to write the Joint Admissions and Matriculation Board (JAMB) examinations – journeys that have sometimes resulted in fatalities through boat mishaps – are now spared these journeys. .

### **Coleman Wires and Cables Limited**

Coleman is a Nigerian company supporting the power sector. The company is well known for manufacturing and supply of low and medium voltage electrical cables. These cables have been utilised by NLNG for our power robustness projects in the plant, residential areas and other CSR projects requiring power improvement or replacement of electrical cables.

### **I.O. Furniture and Vina Furniture**

Two Nigerian furniture makers that were identified during NLNG’s country wide survey for credible furniture makers whose products meet class certification requirements for application and utilisation in sea going vessels such as the LNG Tankers. Never has moveable furniture manufactured in Nigeria been shipped to another country to be fitted in LNG carriers.

For the ship building project, the partnership between NLNG and I.O Furniture and Vina Furniture respectively, made it possible for several units of moveable furniture of all types that were produced in Nigeria and exported to South Korea to be installed in LNG vessels being built by Hyundai Heavy Industries and Samsung Heavy Industries.

Overall, the Nigerian Content is considered a great opportunity for Nigerian LNG and company is fully committed to implement all strategies to ensure value to Nigerian economy beyond compliance alone in line with our vision of helping to build a better Nigeria.



# HEALTH, SAFETY AND ENVIRONMENT (HSE)

## HIGHLIGHTS OF 2022 CORPORATE HSE ACTIVITIES

The 2022 corporate HSE plan was developed taking bearing from the theme of the year: “Year of Adaptability with Focus on People”. This theme was adopted on the backdrop of the industry’s business climate where the macroeconomic environment in which company operated remained highly volatile and uncertain with geopolitical tensions, global supply chain imbalances, fluctuating energy prices and inflation. Then, Covid-19 continued to play a dominant role in impacting every aspect of life and business, while climate change poised to dictate the direction of the future of our industry. Table 1 shows the 2022 HSE Performance which depicts an improvement on the 2021 HSE plan with reference to the leading and lagging indicator actual versus planned.

HSE activities for the year started off with the customary Starting Strong Campaign themed “Zero Must Be Zero” where the Executive management set the tone on HSE for the business. The campaign gave opportunity to all the Senior Management Team and the entire NLNG personnel to make a commitment to Health, Safety and Environment. This gave the business a renewed vigour

leading to the following HSE achievements:

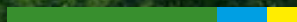
There was an increase in felt leadership visibility at the worksite as Senior and Extended Management Teams (SMT and EMT) took time out to engage personnel at their work sites to deepen the conversation on the Goal Zero message, while seeking to understand personnel challenges as well as to evolve ways to resolve them. Leaders’ disciplined approach to Management Site Engagement (MSE) led to a record achievement of 53% and 54% over 2022 plan for SMT and EMT respectively.

Multiple Train Shutdown which is a novel activity in NLNG was delivered with over 1 million Man-hours achieved without any recordable incident, demonstrating an embedment of positive safety culture in NLNG activity.

NLNG achieved 129% of Business Preventative reporting target of 80,000, thereby, showing commitment to the Safety Mantra: “If you see something, Say or Do Something”. This helped company to prevent incidents



NLNG achieved 129% of Business Preventative reporting target of 80,000, thereby, showing commitment to the Safety Mantra: “If you see something, Say or Do Something”. This helped company to prevent incidents as unsafe acts and conditions were reported and addressed before resulting into actual incidents.





as unsafe acts and conditions were reported and addressed before resulting into actual incidents. In addition, with more personnel intervening and reporting unsafe acts and conditions, more traction was gained in engendering positive behavioral changes.

As part of efforts to further motivate personnel to continue to demonstrate positive safety behaviours, the monthly Corporate HSE Champions Award was initiated. This gave another opportunity for Executive Management to appreciate personnel across the business for their participation in reporting unsafe acts and/or unsafe conditions as well as following up to ensure that such items are closed out/corrected. A total of 9 awards were issued.

100% execution of the Corporate Assurance Plan was achieved with both in-house auditors and external organizations like FMENy, NMDPRA, Shell TA etc. reviewing company's processes, and making recommendations for improvement. The successful ISO 9001:2015, 14001:2015, 50001: 2018 Surveillance Audit were achieved as part of 2022 assurance activities.

Finima Nature Park received international recognition as a Star Wetland Centre during COP14 conference in Geneva out of 304 centers from across the world. Furthermore, as part of reforestation activities at the Finima Nature Park (FNP), 31,135 mangrove seedlings were planted.

Company actively participated in the Review of 22 Guidelines and Regulations by Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA).

Following the obsolescence of Omnisafe (the HSE management tool for incident reporting and corrective action tracking), the PIMS-HSE App was proactively launched as a replacement with upgrade to the features including Management of Change modules, Driving Permit Tracking, Animal Relocation and many others for better visibility and record keeping in the business. Furthermore, zero overdue PIMS-HSE action was maintained, again demonstrating a stringent follow-up of actions to close out gap and improve across board.

The year did not end without a connect with NLNG Business Partners at the senior level to ensure that the "Goal Zero" message was understood and adopted mutually among all Partners. The connect and alignment session held during the annual NLNG / Partners CEO HSE Conference with over 600 persons in attendance showing a huge improvement over 2021. The feedback from the partners CEOs also showed the great impact of the session. The corporate drills target was also exceeded by 49%, in addition to the completion of the IA BEC Room upgrade and procurement of 2(new) Ambulances for the Corporate Head Office activities.



**Table 1: Corporate HSE Performance KPIs (NLNG Group)**

KPI	2022 Actual in Nos.	2022 Target/ Ceiling	Dec Target	Dec Actual	2022 Actual	2022 Plan	YE
Fatality (FAT)	0	0	0	0	0	0	0
Lost Time Incident Frequency (LTIF)	LTI=1	<0.11	0	1(0.28)	1(0.03)	<0.11	1(0.03)
Total Recordable Case Frequency (TRCF)	TRC=4	<0.12	0	1(0.28)	4(0.11)	<0.12	4(0.11)
Total Recordable Occupational Illness Frequency (TROIF)	TROI=0	0	0	0	0	0	0
Motor Vehicle Incidents (MVI)s Frequency- Recordable MVI=5		0.64	0.64	0	5(0.90)	0.64	5(0.90)
Measure of Environmental Impact (% Losses – Weight of Intake (Flaring, Venting, Fugitive, Hydrocarbon))		0.60% - 0.70%	0.60% - 0.70%	0.78%	0.60%	0.60% - 0.70%	0.60%
No of Plant Tier-1 Process Safety Events (T-1 PSE)	0	0	0	0	1	0	1
No of Plant Tier-2 Process Safety Events (T-2 PSE)	0	0	0	0	0	0	0
Vessel Carbon Index	<15	<15	13.48	13.48	<15	13.48	
Management Site Engagement (MSE)- SMT	120	11	1	184*	120*	184	
Preventative Reports (PI+NM)	80,000	6,667	8,924	183,457	80,000	183,457	
PR Frequency	2,267	2,267	2,541	4,926	2,267	4,926	
% Compliance with Annual HSE Assurance plan	100%	100%	100%	100%	100%	100%	
*Overdue PIMS-HSE (Omnisafe Replacement) action	0	0	0	0	0	0	



Finima Nature Park received international recognition as a Star Wetland Centre during COP14 conference in Geneva out of 304 centers from across the world. Furthermore, as part of reforestation activities at the Finima Nature Park (FNP), 31,135 mangrove seedlings were planted.

**NLNG 2022 SAFETY STANDDOWN**





## BIODIVERSITY: TREE PLANTING EXERCISE



Congratulations
   
 TO OUR
   
**SAFETY CHAMPIONS**
  
 OCTOBER, NOVEMBER & DECEMBER 2022 EDITIONS

<b>SAFILE WILSON</b> (PD)	<b>ADAMU GIDEON</b> (PO)	<b>INYE ALLWELL BROWN</b> (NTP)	<b>EDIRI UMOJOSE</b> (PO)
<b>OLUTOYIN ODETOYE</b> (PS)	<b>ABEL DANLADI</b> (PC)	<b>EMMANUEL EMENAHOR</b> (PC)	<b>IBIFUBARA SAMUEL DUBLIN-GREEN</b> (TP)



# THE ENVIRONMENT



*Finima Nature Park is home to a wide variety of ecosystems and wildlife including endangered species of African Grey Parrot (*Psittacus Erithacus*) and Hooded Vulture (*Necrosyrtes Monachus*).*



Under the Green Recovery Initiative, thousands of trees were planted in degraded forest areas and to help control coastal erosion.

Activities conducted to help protect and preserve the environment by the company include:

## **BIODIVERSITY SURVEYS AND MONITORING**

NLNG maintains the Finima Nature Park (FNP) – an approximately 1000 hectare freshwater swamp forest lying along Nigeria’s southern coastal area of Bonny Island, Rivers State. The nature park is home to a wide variety of ecosystems and wildlife including endangered species of African Grey Parrot (*Psittacus erithacus*) and Hooded Vulture (*Necrosyrtes monachus*).

In 2021, varied species of animals (amphibians, reptiles, birds, and mammals) were rescued from the new workers camp site, RA Extension Project, JV Camp, Industrial and Residential Areas, and with the aid of motion sensitive night camera animals’ movements were monitored and track within the park.

The presence of common lined worm snake was recorded through animal rescue activity at the workers’ site during the year. A steady growing population of indigenous species in the park was recorded – attributable to limited interference in, and the preservation of, their natural habitat.

A total of 12,324 red mangroves were planted in degraded parts of the forest and 10,000 fruit trees were distributed and planted in Finima, Bonny and 30 other communities around the Island. 900 coconut trees were planted along the shoreline with the aim of controlling coastal erosion.

## **DISCHARGES TO WATER**

Key environmental indicators are regularly monitored to ensure compliance with permit conditions and applicable regulatory limits as it pertains to effluent discharge, with results submitted to both NLNG management and regulators at stipulated intervals. To ensure compliance with regulatory requirements and its own HSE policy, NLNG has adopted the principle of minimisation through abatement at source for aqueous effluents that have the potential of causing a negative impact on the receiving environment.

### SOLID WASTE MANAGEMENT

NLNG is committed to its policy of no harm to people and the environment, and the promotion of sustainable development.

The company, therefore, ensures proper management of its waste using the best available technology in collaboration with the Federal and State Ministries of Environment. The company's waste management strategy complies with the concepts of 'waste management hierarchy' and 'duty of care' for both on-site and off-site waste treatment and disposal activities. The principle

adopted for solid waste is 'Cradle to Grave', which is essentially the proper and controlled handling, treatment, and disposal of solid waste, underpinned by the 3R philosophy of Reduce, Reuse, Recycle.

### EMISSIONS TO AIR

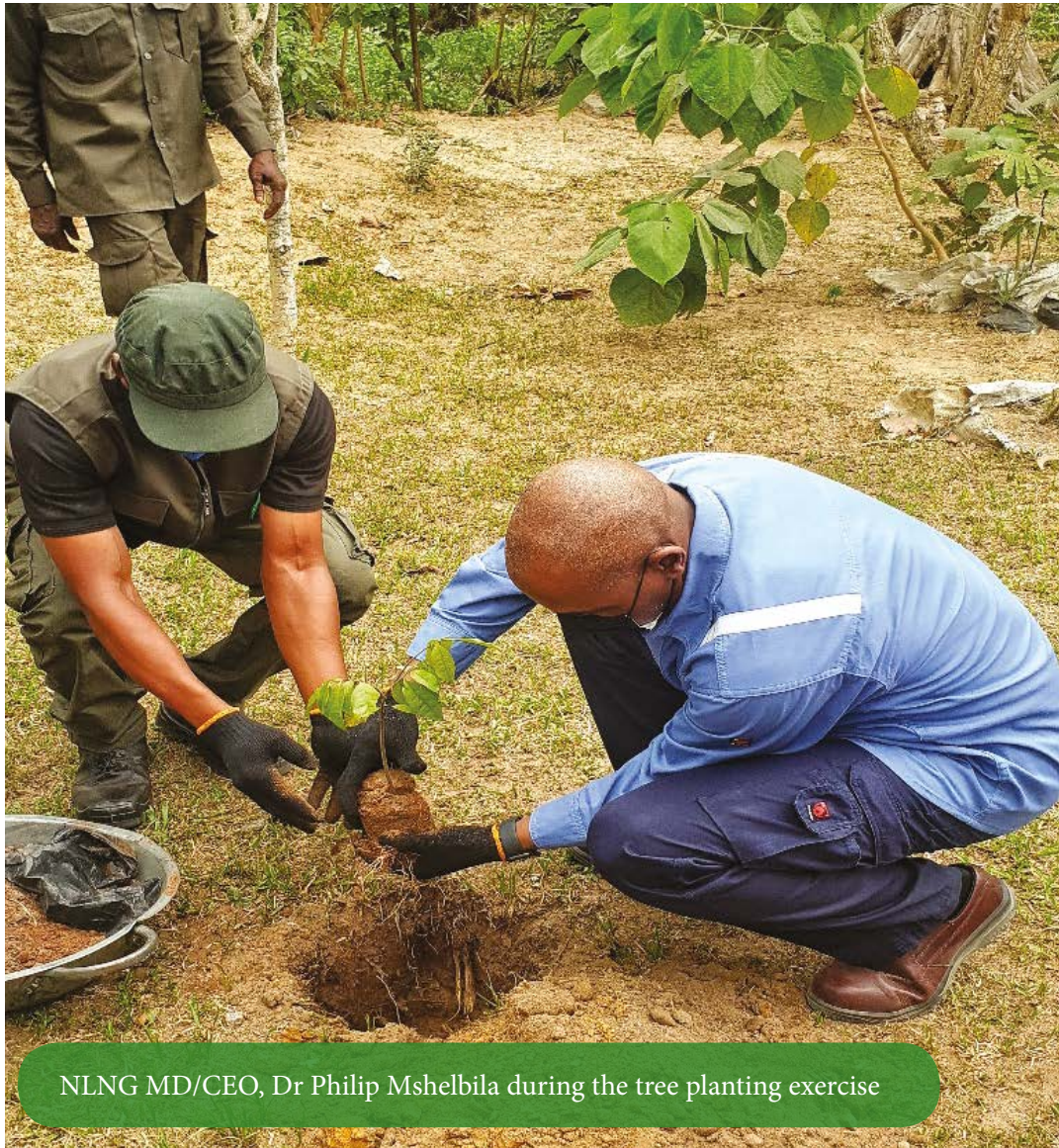
For emissions to air, the principle adopted is minimisation through abatement at source.

Dispersion modeling was employed in initial environmental investigations to predict possible areas of deposition of pollutant species for

regulated parameters that could potentially be generated from NLNG's operations. To monitor NLNG's operational footprint, there is continuous ambient air quality monitoring, while stack emissions monitoring is regularly carried out in line with regulatory and industry requirements. As a demonstration of company's commitment to addressing climate change challenges, NLNG's Energy Management is implemented through the Green House Gas (GHG) emissions monitoring, reporting and abatement actions and the Energy Management Plan certified to ISO 50001:2018.







NLNG MD/CEO, Dr Philip Mshelbila during the tree planting exercise



Tree planting by secondary school students, Bonny Island, Rivers State



# BIODIVERSITY AND NATURE CONSERVATION

## FINIMA NATURE PARK

Finima Nature Park is located within the Finima Community on Bonny Island, Rivers State. Established in 1999, the park is estimated to cover an area of 1000 hectares. The area has a climate typical of Nigeria's coastal state in terms of annual rainfall, dry season, and mean annual temperatures which are consistent with other coastal locations throughout the year.

Presently, the park is managed by a park management consultant- Nigerian Conservation Foundation (NCF). The nature reserve offsets NLNG's carbon footprint across its operations to about 247,158.78 mega tonnes of carbon dioxide (CO<sub>2</sub>). In addition, the park serves as a natural barrier protecting about 300,000 people in Finima and Bonny against flooding damage from ocean surge. With about 70% of the workforce from Finima, it provides direct and indirect employment opportunities for the community. It is also a host to flocks of birds with many new species sighted and recorded during bird watch in 2022.

The Finima Nature Park Resource Centre is open to visitors comprising local and international

tourists, primary, secondary, and tertiary school students, families, researchers, etc. Annually, the park is host to about 20,000 visitors who come for tourism and/or research. Guided tours are available upon request by individuals, groups, or schools. There was a tremendous increase in the number of tourists that visited the park in 2022.

A total of 21,201 tourists were received in 2022 as compared to the 15,297 and 11,003 recorded in 2021 and 2020 respectively.

2019 remains the highest with 23,68 visitors. The visitors went on nature walk, boat ride and played the floor games and left with satisfactory nature interpretation. The number of conservation clubs within primary and secondary schools have increased with a drive towards inculcating the culture of biodiversity responsibility in young residents of Bonny Island. Presently, there are 73 schools with active conservation clubs as compared to 70 in 2021 with an average of 20 students/pupils per school. A total of 346 school visits were recorded in 2022- this includes schools visit to the park for excursion and biodiversity education purposes.

A total of 353 students/pupils from 15 different schools were trained on the reuse of waste nylons to make different beautiful items, outreach engagement to 31 religious centres (churches

and mosques) were successfully carried out, community sensitization on waste management was carried out in 9 different locations within the island and Eco-gardens were set up in majority of the conservation clubs in collaboration with the Environmental Community Development Group of the National Youth Service Corps members.

The park hosted some high-profile visitors in 2022. These include Ambassadors of Spain, Germany, Portugal, South Korea, Italy, and EU representative who were received by the NLNG MD/CEO, Dr Philip Mshelbila. Other recorded dignitaries include - guests from Shell Petroleum Development Company (Netherlands & the United Kingdom), officials of the Federal Ministry of Environment, and the Nigerian Legendary Singer/Human right activists, Onyeka Onwenu among others.

## THE GREEN RECOVERY INITIATIVE

Nigeria LNG's unceasing drive in helping to build a better Nigeria further led to the planting of 31,135 red mangroves in degraded parts of the forest, distribution, and planting of 10,000 fruit trees in Finima, Bonny, and 30 other communities around the island, and the planting of 900 coconut trees along the shoreline with the aim of controlling coastal erosion. The plant survival rate is above 90%.





## FINIMA NATURE PARK MAJOR MILESTONES



Serves as a natural barrier protecting about 250,000 people in Finima and Bonny against flooding damage from ocean surge. Proposed to RAMSAR for recognition as a RAMSAR site; listing as River State Tourism Site is ongoing. Has established conservation clubs in 73 schools with membership base of over 2,000 pupils. Hosts congregation of migratory waterbirds annually.

Protecting about **250,000** people in Finima and Bonny against flooding damage from ocean surge



Hosts about 21,000 visitors annually, comprising local and international tourists, primary, secondary and tertiary school students, families, researchers, etc, and this boosts ecotourism in Nigeria.

Hosts about **21,000** visitors annually



Helps offset NLNG's carbon footprint across its operations to about 247,158.78 mega tonnes of carbon dioxide (CO<sub>2</sub>). In 2022, the Park was awarded the Star Wetland Centre Award by the Wetland Link International in Vienna Austria. This is a confirmation that the Finima Nature park is amongst the best wetland centres globally.

Offset NLNG's carbon footprint to about **247,148.78MT** of CO<sub>2</sub>



Other nominations include special recognition at the Global Energy Award Conference 2020 and Special mention at IEMA International Awards same year.

Special international recognitions and awards



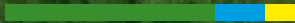




# SOCIAL PERFORMANCE



*The company is committed to providing a dignified and qualitative life experience for everyone who encounters our business and positively impacting society. NLNG ensures that all its Environment and Social Management Plans serve the goal of sustainable economic development in our Host Communities.*



Nigeria LNG Limited's approach to Corporate Social Responsibility (CSR) is anchored on Sustainability, Stake holding, and Partnership. The company is committed to providing a dignified and qualitative life experience for everyone who encounters our business and positively impacting society. NLNG ensures that all its Environment and Social Management Plans serve the goal of sustainable economic development in our Host Communities. This has led to various Corporate Social Responsibility programmes and a commitment to constructive engagement and partnerships with all stakeholders for solid social performance.

NLNG, therefore strategically conceives and implements projects at both national and local levels that will positively impact the lives of citizens. Together, these activities help affirm human rights and dignity and boost the life experience of citizens for the better in the communities hosting our operations and assets and, in the country, at large. They also facilitate the development of know-how and build capacity for the sustainable use of resources.

Our interventions are in four areas which we refer to as the Four Pillars of our CSR programmes.

The following pages present some of these social performance initiatives.

## **HOSPITAL SUPPORT PROGRAMME (HSP)**

The Hospital Support Programme was conceived after the Covid-19 pandemic when, through the NNPC and Oil and Gas Industry Partners Covid-19 Intervention Programme, NLNG donated numerous intensive care medical equipment to medical institutions across Nigeria. The intent was to assuage the pressure that medical institutions would experience in managing ill patients if the pandemic became as serious in Nigeria as it was in other parts of the world.

The objective of the NLNG Hospital Support Programme, one of our national CSR programmes, is to boost the healthcare delivery system in 12 university teaching hospitals cutting across all six geopolitical zones in the country, and in the process, further expand our contribution to the development of our nation's health infrastructure. Each facility is catered for based on the results of their needs analyses which were carried out in conjunction with the respective hospitals to determine a final intervention area in each teaching hospital.



The 12 beneficiary hospitals were selected based on the following criteria:

- Need to ensure spread across the six geopolitical zones – minimum of one hospital from each zone
- Special status for the South-South zone as NLNG's host area – one hospital per State
- Special consideration for Abuja as Federal Capital Territory – one hospital
- Higher consideration for hospitals in states with a higher population per zone
- Hospitals in states with universities that benefited from the NLNG University Support Programme (USP) were left out. The University Support Programme was a similar CSR intervention by NLNG but in education.

NLNG, as the financier of the projects, collaborates with the management of the respective beneficiary hospitals to facilitate the execution of the projects and provides a supervisory function to ensure that the project is delivered on schedule. This partnership model is similar to the successfully executed NLNG University Support Programme (USP).

A Memorandum of Understanding (MoU) to set out the framework for delivery of the project was signed on 24 January 2022 between NLNG and six (6) teaching hospitals in the first phase of the project. All projects in the phase one, have been completed and commissioned.

### Phase One

1. The University of Abuja Teaching Hospital (UATH), Gwagwalada - Construction and equipment of a modern Maternity and Child Complex.
2. The University of Benin Teaching Hospital (UBTH), Benin, Edo State - Remodelling and conversion of an existing building into a 15-bed Intensive Care.
3. Aminu Kano Teaching Hospital (AKTH) Kano, - Occupational Therapy and Neuromodulation Rehabilitation Centre.
4. Niger Delta University Teaching Hospital (NDUTH), Yenagoa, Bayelsa State – Construction and equipping of a 6-bed Intensive Care Unit (ICU) with 4-bed Renal Dialysis connected to the existing operating theatre.
5. Lagos University Teaching Hospital (LUTH), Lagos State - Renovation and reequipping of the Obstetrics and Gynaecology Ward (Block C).
6. The University of Calabar Teaching Hospital (UCTH), Calabar, Cross Rivers State – Construction and Equipping of a Neuro-Surgical Centre.

NLNG further signed MoU with additional three (3) teaching hospitals in a second phase on 20 February 2023. The projects in this phase will be delivered within 2023.

### Phase Two

1. Jos University Teaching Hospital (JUTH), Jos, Plateau State – Construction and equipping of a Twin Theatre Suite.
2. The University of Port Harcourt Teaching Hospital (UPTH), Port Harcourt, Rivers State – Equipping of Renal Transplant Centre.
3. The University of Uyo Teaching Hospital (UUTH), Uyo, Akwa-Ibom – Renovation and Equipping of Accident and Emergency Unit

Three (3) other university teaching hospitals to benefit from the programme in the next phase include Abubakar Tafawa Balewa University Teaching Hospital (ATBUTH), Bauchi; Nnamdi Azikiwe University Teaching Hospital (NAUTH), Nnewi; and Federal Medical Centre, Asaba. Needs analyses to decide projects to be executed in this phase are being concluded.





NLNG Hospital Support Programme, University of Abuja Teaching Hospital: Maternity Centre



NLNG Hospital Support Programme Benin: fully furnished 15-bed intensive care unit (ICU)

## HEALTH

In line with Sustainable Development Goal #3, NLNG recognises that good health and well-being are the foundation and bedrock on which all human efforts and endeavours are built. Realising that no sustainable development can occur within an unhealthy community, NLNG has also implemented programmes to support healthcare access and delivery within its immediate environment.

### BONNY MALARIA ELIMINATION PROGRAMME (BNYMEP)

Through the Bonny Malaria Elimination Project (BNYMEP), NLNG will establish a robust malaria elimination/prevention system for parasite re-introduction by 2025. This is expected to make Bonny Island Nigeria's first malaria-free zone. The project has embarked on a detailed baseline assessment that includes evaluating available healthcare systems/structures on the Island to determine the systems' capacity to implement and sustain malaria elimination initiatives. We have also conducted a comprehensive Malaria Indicator Survey in Bonny Local Government Area. This is the first sub-national indicator survey to establish the true prevalence of malaria in Bonny for tracking project progress and evaluation.

NLNG's effort was boosted by the MOU signed with the President's Malaria Initiative of the United States Government in May 2021, which provided technical assistance from the United States Government in the Malaria Elimination Programme. Over the next few years, NLNG will

work with the Rivers State Malaria Elimination Programme, other partners, and state health management boards to support core malaria interventions, such as vector control, case management, monitoring, evaluation, and surveillance during the project implementation phases. The project will always be strategically aligned with the global strategic direction for malaria elimination and relevant national policies and guidelines. Bonny Malaria Elimination Project fits into the more significant public health initiatives for Bonny Island being sponsored by NLNG.

### BONNY COMMUNITY HEALTH INSURANCE PROGRAMME (BCHIP)

The Bonny Community Health Insurance Programme is a community-based health insurance initiative that is geared towards providing access to affordable, sustainable, and quality healthcare services without beneficiaries (i.e., residents of Bonny Island) making out-of-pocket expenses when accessing medical care.

It is sponsored by Nigeria LNG Limited (NLNG) in partnership with the Rivers State Government Health Management Board and Bonny Kingdom. Three (3) public health facilities (Bonny Model Primary Health Centre, Finima Health Centre, and Zonal Hospital, Bonny) and five (5) private clinics in Bonny (St. Charles Clinics, Channels Clinics, Pan OJ Clinics, Delta Specialist Clinic, St. Peters Clinics, and Morning Star Hospital) are currently healthcare service providers on the programme. The scheme has a governing board

representing the partnership between NLNG, Bonny Kingdom, and Rivers State Government. The Board provides the required governance for the initiative, leveraging the experiences of its members.

More than 11,000 enrollees are currently on the programme managed by three (3) Health Management Organisations (HMOs) with nationwide coverage. BCHIP continues the journey to fulfilling its mandate of Universal Health Care (UHC) for all on Bonny Island.

### IBANISE HIV INITIATIVE

The Ibanise Initiative carries out HIV prevention, Care & Support to the infected and affected in line with NLNG's CSR and SDG 3 to achieve local and international targets of ending AIDS by 2030.

In 2006 a baseline study was carried and the prevalence of HIV infection rate on Bonny Island was about 8.2%. In line with one of the four CSR four pillars, health, NLNG has over the years intervened through testing, counselling, treatments, and awareness campaigns and successfully brought the prevalence rate down to 2.2% in 2022.

To consolidate the gains and forestall a further increase in infection, taking into consideration the influx of workers on the island for the Train 7 Plant Project and the Bonny-Bodo Road project, which will soon become operative, NLNG continues to scale up prevention activities among the Most-At-Risk and Vulnerable Groups, People in the Workplace, and the General Population.



**11** Bonny Community Health Insurance Programme (BCHIP)

More than  
**11,000**

enrolees are currently on the programme which is managed by three health management organisations (HMOs) with nationwide coverage.



## EDUCATION

In line with United Nations' Sustainable Development Goal #4, NLNG places significant emphasis on education and human capital development because these two areas are fundamental to national development. Since its inception, the Company has supported its host communities, Rivers State, and the country through various interventions: scholarship schemes, institutional support, and technical skills development.

### ANNUAL SCHOLARSHIP SCHEMES

To encourage academic excellence and support human capital development in Nigeria, NLNG has three central scholarship schemes: Post-Primary, Undergraduate, and Postgraduate scholarships.

### NLNG POST-PRIMARY SCHOLARSHIP

The scheme aims at assisting high performing basic six pupils in the company's host communities to access post-primary education. The initiative kicked off in 2012 with 28 beneficiaries and, by 2023, has grown to 516 beneficiaries with a total sum of N1.310bn (\$3.196m) expended to date. Prospective pupils are admitted to the scheme through an application on the company's website based on widely advertised criteria. A selection test is then conducted to place the best candidates onto the scheme.

### NLNG UNDERGRADUATE SCHOLARSHIP

This was founded as a critical component of the education intervention programme for our host communities in 1998 and was later made available to the rest of Nigeria in 2003. As of 2021, 3,629 undergraduates from various universities in Nigeria have benefitted; N839.85m (\$75.561m) million has been invested in the scheme. The introduction of online applications and social media for information dissemination in 2012 made the selection process more efficient and cost-effective and increased awareness. The scheme was reviewed from 150 beneficiaries to 300 starting from the 2018/2019 academic year.

### NLNG OVERSEAS POSTGRADUATE SCHOLARSHIP

This scheme was launched in October 2012 with an annual intake of 15 beneficiaries to study in leading UK universities. The scheme covers these areas of study: Renewable Energy, Engineering, Geosciences, Environmental Sciences, Management Sciences, Information Technology, Law, and Medicine. 103 persons have benefited from the scheme, with a total expenditure of N3.197b (\$6.95m).

### NLNG INTERNALLY DISPLACED PERSONS (IDP) SCHOLARSHIP

Unfortunately, the situation in North-Eastern Nigeria has created a large population of vulnerable

persons. Therefore, this scheme was instituted to complement the Federal Government's effort in rebuilding Nigeria's North-Eastern region through the award of scholarships to 30 candidates (10 from each of the IDP camps in the three states worse hit by insurgency — Adamawa, Bornu, and Yobe), for sponsorship of students in secondary education.

With support from the Federal Ministry of Education, IDP scholarships were awarded to 25 beneficiaries selected from different Federal Government Colleges in the country. With an approximate spend of N50m, the last set of IDP beneficiaries is expected to graduate from secondary schools in 2023.

### NLNG SCIENCE QUIZ

NLNG has partnered with the Rivers State Ministry of Education under its education CSR theme to organise annual science quizzes, debates, and essay competitions for over 228 public schools across 23 Local government areas in Rivers State with emphasis on schools in Bonny and GTS communities. The science quiz competition aims to inspire healthy competition and interest in science and technology amongst young people in the State; groom future engineers, mathematicians, scientists, and technologists; and encourage young minds to think innovatively about solutions counter challenges that plague their communities. The NLNG Science Quiz Competition was launched in 2014 but was discontinued temporarily





due to business exigencies. However, in 2021 the science quiz competition was relaunched with a pilot edition conducted for Bonny-based secondary schools only. It was executed with the Rivers State Ministry of Education and the Science Teachers Association of Nigeria (STAN). In 2022, NLNG, in partnership with the Rivers State Ministry of Education and STAN, extended participation to all the government-owned secondary schools in the three senatorial districts in the state – Rivers East, Rivers West, and Rivers South Senatorial Districts. The annual competition is usually open to all SS1 and SS2 science students and is conducted in 3 stages: The Olympiad, The Championship and The Grand finale. NLNG provides over 10 Million Naira prize money to participating and winning students, teachers, and schools.

### **BONNY VOCATIONAL CENTRE (BVC)**

In furtherance of its policy of self-sustainable economic development within its host communities and in line with specific understandings and agreements with the Bonny Kingdom, Nigeria LNG Limited established the Bonny Vocational Centre (BVC).

BVC is a duly accredited and recognized innovation and vocational enterprise institution, approved and certified by relevant agencies and awarding bodies such as the Rivers State Government, National Board for Technical Education, National Business and Technical Examination Board, City and Guilds of London Institute, and the Institute of Leadership and Management London.

Since its inception, the Centre has trained 1874 beneficiaries in different vocational trades and levels. In addition, 920 have completed the Level 3 IVQ Advanced Diploma of the City & Guilds of London Institute. More than 62% of the graduates are currently in employment.







## THE NIGERIA PRIZES FOR SCIENCE, LITERATURE, AND LITERARY CRITICISM

The Nigeria Prize for Science, The Nigeria Prize for Literature, and The Nigeria Prize for Literary Criticism, sponsored by Nigeria LNG Limited, aim to bring Nigerian scientists, authors, and literary critics to public attention and celebrate excellence in scientific breakthroughs and literary accomplishments in Nigeria.

NLNG believes that The Nigeria Prize for Science (worth \$100,000 in prize money) will provide leaders with answers to crucial issues in development; improve the standards of living and re-energise the scientific community to seek solutions to national problems. With The Nigeria Prize for Literature (worth \$100,000 in prize money) and The Nigeria Prize for Literary Criticism, (worth \$10,000 in prize money) it is expected that the quest for a prestigious prize will improve the quality of writing, editing, proof-reading, and publishing in the country with a far-reaching positive effect on print and broadcast journalism.

The prizes have been on since 2004. This year, the theme of The Nigeria Prize for Science competition is “Innovation for Enhancement of Healthcare Therapy“, while the genre in competition for The Nigeria Prize for Literature is Drama.

Winners are announced in October every year, commemorating the first export of LNG cargo by NLNG on October 9, 1999.



The winners basking in the glory of victory

# THE NIGERIA PRIZES AT A GLANCE

## SCIENCE WINNERS

2004	WINNING ENTRY "Real-Time Computer Assisted Leak Detection/Location Reporting and Inventory Loss Monitoring System"	Professor Akpoveta Susu Dr. Kingsley Abbulimen	2010	WINNING ENTRY "Development of a New Method in Die Design"	Professor Akaehomen Ibadode	2017	WINNING ENTRY "Multifaceted Efforts at Malaria Control in Research: Management of Malaria of Various Grades and Mapping Artemisinin Resistance"	Olugbenga Mokuolu
2005	WINNING ENTRY	NO WINNER	2011	WINNING ENTRY	NO WINNER	2017	WINNING ENTRY "Novel lipid microparticles for effective delivery of Artemether anti-malarial drug using a locallysourced Irvingia fat from nuts of Irvingia"	Chukwuma Agubata
2006	WINNING ENTRY "Wound Healing Devices (Formulations) Containing Snail Mucin"	Professor Michael Adikwu	2012	WINNING ENTRY	NO WINNER	2018	WINNING ENTRY "Nanostructured Metal Hydrides for the Storage of Electrical Power from Renewable Energy Sources and for Explosion Prevention in High Voltage Power Transformers"	Peter Ngene
2007	WINNING ENTRY	NO WINNER	2013	WINNING ENTRY	NO COMPETITION	2019	WINNING ENTRY "Carbon capture, carbon utilisation, biomass gasification and energy storage for power generation"	Meihong Wang Matthew Aneke
2008	WINNING ENTRY "Solution to Road Pavement Destabilisation by the Invention of 'Lateralite': A Stabilisation Flux for Fine Grained Lateritic Soils"	Dr. Ebenezer Meshida	2014	WINNING ENTRY	NO COMPETITION	2020	WINNING ENTRY	NO COMPETITION (DUE TO COVID-19. ENTRIES CARRIED OVER TO 2021.)
2009	WINNING ENTRY "Discovery of the gene responsible for the creation of Sialidase (SD), an enzyme which causes sleeping sickness (Trypanosomiasis)"	Professor Andrew Nok	2015	WINNING ENTRY	NO COMPETITION	2021	WINNING ENTRY	NO WINNER
			2016	WINNING ENTRY	NO WINNER (EXTENDED TO 2017)	2022	WINNING ENTRY Process Plant for Plantain flour Gains in Grain Yield of Released Maize (Zea Mays L.) Cultivars under Drought and Well-Watered Conditions	Dr. Emmanuel Olutomilola Prof. Sesan Peter Ayodeji Professor Shehu Ado Dr. Muhyideen Oyekunle
			2017	WINNING ENTRY "Improving Home and Community Management of Malaria: Providing the Evidence Base"	Ikeoluwapo Ajayi Ayodele Jegede Bidemi Yusuf			



# LITERATURE WINNERS

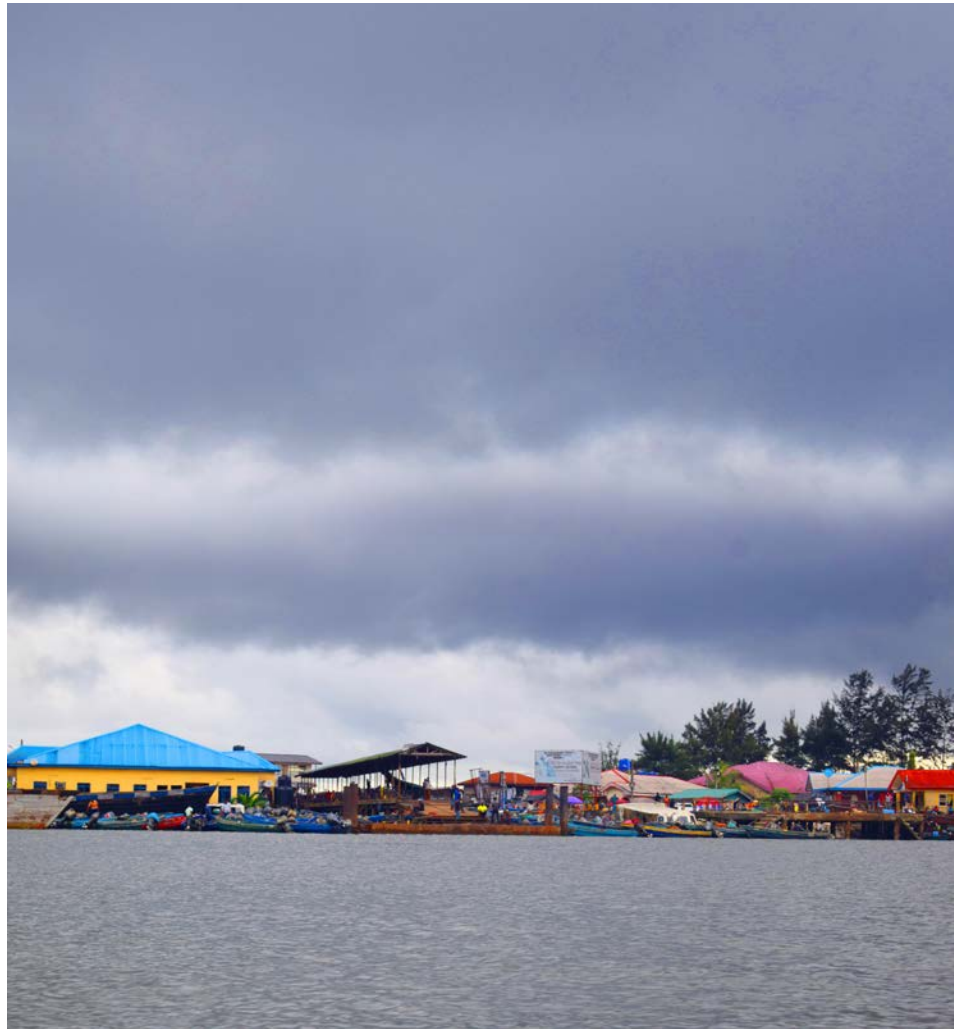
2005	<b>WINNING ENTRY</b> Chants of a Minstrel <i>Genre: Poetry</i>	Professor Ezenwa Ohaeto
2005	<b>WINNING ENTRY</b> The Dreamer: His Vision <i>Genre: Poetry</i>	Dr. Gabriel Okara
2006	<b>WINNING ENTRY</b> Hard Ground <i>Genre: Drama</i>	Dr. Ahmed Yerima
2007	<b>WINNING ENTRY</b> My Cousin Sammy <i>Genre: Children's Literature</i>	Professor Akachi Adimora Ezeigbo
2007	<b>WINNING ENTRY</b> Readers' Theatre: Twelve Plays for Young People <i>Genre: Children's Literature</i>	Mabel Segun
2008	<b>WINNING ENTRY</b> Yellow Yellow <i>Genre: Prose</i>	Kaine Agary
2009	<b>WINNING ENTRY</b> <i>Genre: Poetry</i>	NO WINNER
2010	<b>WINNING ENTRY</b> Cemetery Road <i>Genre: Drama</i>	Dr. Esiaba Irobi

2011	<b>WINNING ENTRY</b> Chants of a Minstrel <i>Genre: Children's Literature</i>	Mai Nasara (Mr. Adeleke Adeyemi)
2012	<b>WINNING ENTRY</b> On Black Sisters' Street <i>Genre: Prose</i>	Dr. Chika Unigwe
2013	<b>WINNING ENTRY</b> The Sahara Testaments <i>Genre: Poetry</i>	Tade Ipadeola
2014	<b>WINNING ENTRY</b> Iredi War <i>Genre: Drama</i>	Prof. Sam Ukala
2015	<b>WINNING ENTRY</b> <i>Genre: Children's Literature</i>	NO WINNER
2016	<b>WINNING ENTRY</b> Season of Crimson Blossoms <i>Genre: Prose</i>	Abubakar Adam Ibrahim
2017	<b>WINNING ENTRY</b> The Heresiad <i>Genre: Poetry</i>	Ikeogu Oke
2018	<b>WINNING ENTRY</b> Embers <i>Genre: Drama</i>	Soji Cole
2019	<b>WINNING ENTRY</b> Boom Boom <i>Genre: Children's Literature</i>	Jude Idada

2020	<b>WINNING ENTRY</b>	NO COMPETITION (DUE TO COVID-19. ENTRIES CARRIED OVER TO 2021.)
2021	<b>WINNING ENTRY</b> The Son of the House <i>Genre: Prose</i>	Cheluchi Onyemelukwe-Onuobia
2022	<b>WINNING ENTRY</b> Nomad <i>Genre: Poetry</i>	Romeo Oriogun

# LITERARY CRITICISM WINNERS

2014	<b>WINNING ENTRY</b> Colonial Mimicry and Postcolonial Re-membling in Isidore Okpewho's Call Me by My Rightful Name	Prof. Isidore Diala
2018	<b>WINNING ENTRY</b> Bayonets and Carnage of Tongues: The Contemporary Nigerian Poet Speaking Truth to Power	Prof. Isidore Diala
2019	<b>WINNING ENTRY</b> Reinventing the Primordial: Human Blood Ritual and the Lure of Power in Isiaba Irobi's Nwokedi	A. A. Abbah
2021	<b>WINNING ENTRY</b> Postcolonial Ogres in Ngugi Wa Thiong'o's Wizard of the Crow	Uchechukwu Peter Umezurike
2022	<b>WINNING ENTRY</b> The black soul is (still) a white man's artefact? Postcoloniality, post-Fanonism and the tenacity of race(ism) in A. Igoni Barret's Blackass	Dr. Sakiru Adebayo



## ECONOMIC EMPOWERMENT

As part of our CSR, the Company annually provides support materials and palliatives to fishermen from the various fishing communities across the Bonny Kingdom to encourage them to carry out their fishing activities sustainably. These support items are usually presented at an annual interactive session. They are provided to dissuade the fisherfolks from fishing at the exclusion zone/vessel access path. The sessions also educate the fisherfolks on safe and acceptable practices, as prescribed in the Environmental Social Health Management Plan (ESHMP).

It is instructive to note that the support and engagements with the Bonny fisherfolks have created a healthy and mutually beneficial relationship between them and Company over the years. It has also ensured adherence to advisories regarding the established exclusion zone, granting unfettered access for vessel operations.

Vessels can achieve faster berthing turnaround time and, by extension, a more efficient cargo loading lead time.



# ECONOMIC EMPOWERMENT AT A GLANCE

## YOUTH EMPOWERMENT SCHEME

Over 1,000 youths from host communities trained; over **N887m invested**

Training in Advanced Welding & Fabrication, Catering and Hospitality Management, Automotive works, Photography & Video, Farm Management, Information and Communications Technology (ICT), Fashion Designing and Cosmetology, Furniture Making and Woodwork

## N-AGENDA

Enhanced seedlings or stems, herbicides, and fertilizer products periodically distributed to participating farmers.

Commercial and contract farming in cassava, piggery, poultry, among others, kicked off in 2016 in Ekpeye, Kalabari, Ogba, Okrika, Amadi-Ama and Ogbunabali, Abua, Emohua and Bonny kingdom.

## RIGHT OF WAY CONTRACTS

Gas Transmission System (GTS) Right of Way (ROW) surveillance and maintenance contracts awarded to (and rotates among) land-owning families only.

Holders of GTS ROW surveillance and maintenance contracts employ family members to execute jobs which cover pipeline Right of Way surveillance and inspection, and asset maintenance, including painting of signposts and markers and grass cutting, among others.

## FISHING COMMUNITY SUPPORT

Personal Protective Equipment (PPEs) and fishing gears usually provided to fishermen from fishing communities across Bonny Kingdom to enhance safe fishing and sustain their livelihoods.

ESHMP-prescribed awareness sessions on safe and acceptable fishing habits conducted periodically.

## BONNY TOURISM INITIATIVE

Tourism Masterplan (training on tourism business and entrepreneurship) for selected Bonny youths in partnership with Goge Africa completed in February 2021.

## BONNY CONSULATE BUILDING

Groundbreaking performed in 2019, Commissioned in March 2022.

Bonny Consulate Building reminiscent of the British-built consulate building of 1897 to serve as hub for Bonny Tourism Initiative which will constitute a huge revenue earner for the Kingdom



Over the years, more than

# \$182m

has been spent by the JIC in delivering development projects on the Island.



## **YOUTH EMPOWERMENT SCHEME (YES)**

NLNG Youth Empowerment Scheme was launched in 2004 as a sustainable development initiative for youths (18-35 years old) within NLNG's host communities. YES, is designed to make the participating youths economically and socially responsible and self-reliant through guided technical and managerial training. Since inception, over 1,000 youths from various host communities have participated in the scheme with over N887m invested. NLNG pays close attention to this programme to ensure the youths acquire relevant skills during training. It has also instituted a mentoring and monitoring period of three months post-training to ensure that skills learnt are used. In 2014, the scheme was reviewed to focus more on equipping the youths with basic certifications in relevant industries, enabling them to compete effectively for jobs anywhere in the world. Currently, the initiative focuses on five vocations, i.e., Advanced Welding & Fabrication, Catering & Hotel Management, Automotive, Photography & Video Production and Farm Management. The introduction of additional fields, such as Information & Communications Technology (ICT) and Fashion Designing & Cosmetology, in the cycle that began in September 2021 will further enrich the programme and ensure that the youths have access to a wide variety of options/technical skills. Also noteworthy is the increased number of selected candidates from 89 across the host communities to 105.

Indeed, our sustainable implementation of this programme and its consistent approach to reducing

poverty led to our winning the Sustainability Enterprise and Responsibility Awards (SERAs) in 2018 and 2019 as the Best Company in Poverty Alleviation.

Notably, the creation of several small and medium-scale businesses by some YES graduates currently employ people is certainly a testimonial to the programme's success. It suggests that it has become a critical tool for poverty eradication and curbing youth restiveness on the island. Emphasis is now placed on ensuring the financial independence or self-sustenance of the youths after training. Therefore, a monitoring and evaluation process will be imputed into the initiative to promote sustainability further. This will enable us continuously high-grade the scheme and align it to the relevant global SD goals.

## **INFRASTRUCTURE DEVELOPMENT**

### **MOU WITH BONNY KINGDOM**

In 1998, the Joint Industry Companies (JIC), comprised of NLNG, Shell Petroleum Development Company Limited (SPDC), and Exxon Mobil, signed an MoU with Bonny Kingdom. This MoU provided a framework which enabled the JIC to pool resources and provide the kingdom with Bonny Master Plan, the 1.5 km by-pass road, the 1.2km access road, and uninterrupted electricity and potable water supply managed through a particular purpose vehicle called:

### **BONNY UTILITY COMPANY (BUC)**

Over the years, more than \$182m has been spent by the

JIC in delivering development projects on the Island. Despite this, there were still agitations for economic empowerment, employment, and infrastructural development in the area. It also became apparent that there was wholesome reliance on the JIC for the Kingdom's economic growth. This became the basis for the Pan Bonny Sustainable Development Conference, which was convened on the 25th of May 2013 by His Majesty King Edward Asimini William Dappa Pepple III, Perekule XI, Amanyano of Grand Bonny Kingdom, in conjunction with Bonny Chiefs' Council, and with the active support of the Joint Industry Companies (JIC) led by Nigeria LNG Limited to determine the future of development on Bonny Island. In the aftermath of the conference, concrete steps were taken to give effect to the resolutions adopted at the meeting. A significant step in this regard was the signing of a new MoU between Bonny Kingdom and NLNG/SPDC on 3rd October 2015. This MoU sets out the basis for community-led development under the auspices of a proposed Bonny Kingdom Development Foundation and the transfer/handover of the following initiatives — Bonny Utility Company, Ibani-se Initiative, and Bonny Vocational Centre — to Bonny Kingdom. Furthermore, the proposed Bonny Kingdom Development Foundation is expected to forge new partnerships and secure funding aside from the annual contributions to be provided by NLNG and SPDC, to drive the development of the kingdom as well as open the space for other local and international donors, development partners and investors to key into Bonny's development potentials. Although the BKDF is currently enmeshed in some disagreements



among community stakeholders, it is believed that strenuous efforts being made by the community leadership to resolve the issues will be successful in enabling progress on the developmental model, which promises to herald tremendous development in Bonny Kingdom.

### **BUC MODEL**

Bonny Utility Company, BUC, is registered under the Company and Allied Matters Act. It was formed after the Joint Industry Companies and the Bonny community, through the Bonny Kingdom Development Committee (BKDC), signed an MoU for the JIC to provide the community with electricity and potable water supply at affordable and reliable rates.

The company operates five water treatment plants with a combined capacity of 3,506m<sup>3</sup> and distributes 20MW of electricity to the community. The constant power supply and water availability have attracted more people to the island, putting many constraints on the services rendered.

It means more investment is required to meet the ever-increasing demand for the services of BUC to the community.

### **TOURISM**

The NLNG Bonny Tourism Initiative is one of the key planks of the company's Bonny-Master City, which aims to make Bonny a major international investment destination by 2040. Bonny's rich potential in terms of its unique history, culture, and traditions will help diversify the Island's economy

from reliance on oil and gas activities to other areas where tourism is a significant opportunity.

### **TOURISM TRAINING FOR BONNY YOUTHS**

As part of activities to bring the vision alive under the Tourism Masterplan, a two-week intensive and hands-on training on tourism business and entrepreneurship for selected Bonny youths in partnership with renowned tourism brand Goge Africa was completed in February 2021.

This training equipped the youths with skills to enable them to function as tour guides and champions of tourism, especially in the areas of cultural and eco-tourism. With deep experiential learning across Lagos and Bonny, the trainees were equipped to use existing tourist attractions and landmarks to promote the tourism potential of Bonny Island. Indeed, they could demonstrate their learnings by organising sales of Ibani cultural memorabilia at the NLNG.

### **BONNY CONSULATE BUILDING: THE NEW HUB**

The choice of the Consulate Building is not by accident. In 1897, a Consulate was built on Bonny Island by the British colonial administration, from where they administered and managed their relationship with the outlying colonial areas. The Consulate, a colonial-style three-story building, housed the district commissioner, a doctor, police officers, and several offices for the Marine Department.

The new Bonny Consulate Building is an iconic structure carefully constructed to replicate the old Consulate Building with its rich history and significance. It has the potential to propel the growth of tourism on the Island. Bonny Consulate Building, which was the centre of administrative power in the past, is expected to serve as the hub of the tourism initiative in the present. The tourism initiative will constitute a huge revenue earner for Bonny Kingdom. The new Consulate Building will also serve as a one-stop-shop for researchers and tourists to explore the rich history of Bonny Kingdom.

The Consulate Building, which was built in partnership with Julius Berger Nigeria Limited and the Bonny Kingdom, is conceived to be self-sustaining in the long run and will be under the supervision of a Board of Trustees that will be set up to ensure it is run on sound business principles and to exacting standards of excellence.

### **COVID-19 INTERVENTIONS**

At the onset of the Covid-19 pandemic in the country in 2020, NLNG triggered critical mitigation measures in all company locations and the Residential Area within its facility in Bonny. NLNG also promptly established engagements with relevant stakeholders across various spheres of government to identify urgent intervention initiatives that will help protect its host communities, the state, and the nation from the threat of the virus.

Beginning with Bonny Island, NLNG funded and facilitated the establishment of a 24-bed Holding Centre at the Bonny Zonal Hospital, including various equipment such as cylinders and concentrators for oxygen supply, patient monitors, suction machines, wall-mounted hand sanitisers, split air conditioners and sundry furniture items for wards and consulting rooms. In addition, personal Protective Equipment (PPEs), including N95 respirators, surgical blades, gloves, coveralls, boots, etc., were also provided. Besides this, NLNG worked with Bonny Local Government Council to carry out enlightenment campaigns to raise awareness of Covid-19 risks and drive behavioural changes. The company also paid stipends for some months to thermo-scanning volunteers at entry points into the Island. All these interventions, worth over \$1 million, helped strengthen the Island's capacity and, specifically, the Bonny Zonal Hospital's ability to manage the pandemic in case of an outbreak in Bonny and its environs.

In April 2020, NLNG donated palliatives worth \$250,000 to its over 90 host and GTS communities in Rivers State to minimise the impact of the restrictions imposed by the government because of Covid-19. Furthermore, NLNG and Shell (SPDC), in partnership, jointly donated a second round of palliatives worth about \$280,000 to residents of Bonny Island to cushion the effects of the four-week lockdown imposed by the Rivers State government on the island in June 2020.

In support of the Rivers State Government's efforts to curb and halt the spread of the virus, NLNG donated vehicles, medical equipment, and PPEs worth \$500,000 to manage Covid-19. At the same time, the Company also pledged a \$ 1 million intervention project at the

Rivers State University Teaching Hospital (RSUTH) to guarantee long-term, sustainable and improved healthcare delivery within the State. This commitment is progressing via the ongoing construction and equipping of an Infectious Diseases Unit at the hospital.

As part of support to the Federal Government of Nigeria via the Oil Industry Fund led by the NNPC, NLNG made donations to state governments and health facilities across Nigeria to aid the fight against the Covid-19 pandemic as follows:

Donation of medical equipment and other items to the Federal Medical Centre, Yola, and Adamawa State Primary Healthcare Development Agency, both in Adamawa State, at \$500,000. These items included Intensive care Unit (ICU) beds and accessories, ventilators, patient monitors, suction machines, chemistry and haematology analysers, and other medical consumables.

Donation of similar medical and personal protective equipment worth \$300,000 to the Lagos State Government for use at the Lagos Mainland Hospital, Yaba.

Donation of \$150,000 worth of medical equipment, consumables, and PPEs per State to the Akwa Ibom, Bayelsa, and Edo State Governments. These items were used at the Immanuel General Hospital, Eket; the Niger Delta University Teaching Hospital (NDUTH), Okolobiri; and the Stella Obasanjo Hospital, Benin City, respectively. These items included ICU Beds with ventilators, patient monitors, defibrillators, suction machines, infusion pumps, and coveralls.



**YOUTH EMPOWERMENT SCHEME (YES)**

Since inception, over

**1,000**

youths from various host communities have participated in the scheme with over

**N887m**

invested





## BONNY – BODO ROAD PROJECT

NLNG continues to actively partner with the Federal Government of Nigeria on the Bonny-Bodo Road Project as part of its CSR and Social Development Framework. The construction of the 38km road, which progressed remarkably since the commissioning in October 2017, has marked several milestones in 2022 (overall completion is at ~70%) and a good HSE performance of over 9.9 million LTI-Free man-hours.

Major achievements in 2022 are

**1. Soil Investigation and Topo Survey:** Soil investigation and Topo survey on MB1 to MB9 are completed while the survey for permanent works (Opobo & Nanabie Bridges, Road works, and Bonny town) are progressing steadily.

**2. Major Bridges:** One (AFA Bridge) out of three major bridges has been fully completed, Opobo Bridge (No.2): Substructure work at the main bridge and approach bridge, piling works on the water for Opobo Bridge and Nanabie Bridge completed, substructure and superstructure works are progressing steadily.

**3. Mini Bridges (MB 1- 10):** Piling works have been completed and works on nine (9) mini bridges and pipeline bridges are substantially completed.

**4. Road Construction (Bodo and Bonny):** Approx. 38km of the road fully accessible from Bodo to Nanabie Chanel (6km fully asphalted, about 32km sand filled and under construction), kerbs, manholes, crossing culverts, plot entrances, road interception, Street light foundation, drainages, and cover construction, dredging work, PVD installation, removal of existing electric poles/foundations and water pipeline relocation progressing well, and 10 out of 13 pipeline protections completed (@77%).

**5. Employment:** There was a continued ramp-up in Contractor resources with ~800 additional direct workers employed (from 800 in the 2021 quarter to ~1,600).

**6. Governance and Oversight:** NLNG established an independent site-based contract for monitoring and verification of JBN's overall performance in the execution of the works in line with governance and oversight responsibilities in the amended tripartite agreement. Mobilization of Construction management services contract personnel to the site has been completed.

NLNG has and will continue to make sufficient budgetary provisions to ensure funding is de-risked, given the current realities, to meet up with the revised full funding. We have spent the equiv-

alent of NGN124.83 billion to date with a total of NGN72.85 billion paid in 2022. Following these latest payments, NLNG's outstanding balance is NGN67.52 billion based on the Board approved revised funding of NGN192.35 billion.

The Executive Order on Road Infrastructure Development and Refurbishment Investment Tax Credit Scheme Order No. 007 of 2019 has allowed NLNG to claw back its expenditure with the issuance of the fifth (5th) Tax Credit Certificate (TCC) of NGN7.29 billion for NLNG's January to June 2022 expenditure by the FIRS. The application for the sixth (6th) Certificate for 2022 (July to December) expenditure (of NGN24.81 billion inclusive of Uplift) has been approved by HM FMOFBNP and is awaiting issuance of TCC by FIRS. The total Tax Credit recovered to date is NGN116 billion.

Through effective stakeholder engagement by Executive Management, we have had remarkable partnerships with the FMWH, FMFBNP, and other Ministries, Departments, and Agencies. The NLNG Board has given the necessary support to ensure this project is delivered by December 2023 as stipulated in the revised Augmentation Contract and Amended Tripartite Agreement.







# RECENT BONNY COMMUNITY INITIATIVES AT A GLANCE



## **Bonny Community Health Insurance Programme:**

Over 8,000 current enrollees and more than 20 corporate clients



## **Radio Bonny:**

Pilot programme, Ibani Hour, on Wazobia 94.1FM currently in its 3rd season



## **Bonny Consulate Building:**

Groundbreaking achieved in October 2019; project commissioned in March 2022



## **Malaria Eradication:**

MoU signed with the United States Government for technical assistance; distribution of insecticide-treated mosquito nets donated by US President's Malaria Initiative in Bonny flagged off in March 2022



## **Bonny Tourism Initiative:**

Tour guide and tourism business training for 20 Bonny youths completed in February 2021





**BONNY CONSULATE**





## RENOVATIONS AND UPGRADE OF PRIMARY AND SECONDARY SCHOOLS FACILITIES

As part of NLNG's CSR, and in line with the agreement reached with the Rivers State Government to renovate and upgrade some primary and secondary schools across the State towards its educational infrastructural development, Nigeria LNG, has in the first phase, handed over the following completed schools to the Rivers State government: Central Primary School, Bonny, Government Secondary School, Ubeta, Community Secondary School, Rumuji and Government Girls Secondary School, Finima.

### Scope of work executed include:

- Construction of new science laboratory buildings and provision of equipment and furniture
- Construction of new library building blocks with furniture
- Construction of generator houses and installation of 30KV diesel generators
- Construction of perimeter fence with access gate and security houses
- Construction of driveway/walk ways and rehabilitation of football fields
- Construction of boreholes, water reticulation and overhead tanks
- Supply of ICT equipment [computers, printers, and projectors]
- Supply of Home Economics equipment, sewing machines, and other materials
- Supply of new school desks, office tables/chairs, bookshelves, metal cabinets and other teaching aids
- Renovation of SS and UBE class room blocks and administrative blocks
- Renovation of laboratory blocks, home/intro-tech buildings, etc.



NLNG equipped Government Secondary School, Ubeta



Central Primary School, Bonny (left) and Community Secondary School, Rumuji (right) are among beneficiaries of the first phase of NLNG's schools' renovation and upgrade project



## LAUNCH OF THE GLOBAL MEMORANDUM OF UNDERSTANDING (GMOU)

The launch of the NLNG GMoU was held at the Presidential Hotel, Port Harcourt on Thursday, 20th of May 2021 with the inauguration of BoT members from CHO Cluster [Ogbu-nu-abali Community Development Foundation and from Pipeline Node Junction Communities of Rumuji and Ubeta.

Among those in attendance were The Permanent Secretary, Rivers State Ministry of Chieftaincy & Community Affairs, Mr. Ndu Alawari, NLNG then General Manager External Relations & Sustainable Development, Mrs. Eyono Fatayi-Williams, General Manager Corporate Services, Joseph Alagoa and other NLNG Management Team.

Copies of the signed GMoU Agreements were presented to the respective communities and the Rivers State Ministry of Chieftaincy & Community Affairs at the occasion.

NLNG has further signed GMoU Agreements in November/December 2021 with four additional clusters of Ogba, Egi, Abua and Okrika. The company also signed GMoU Agreements in March 2022 with two clusters (Kalabari and Ekpeye), making a total of nine out of 10 clusters. Expectation is to complete the execution of the GMoUs with the rest of the clusters by year end 2022.



# AWARDS



**Outstanding  
Commitment to  
Nigeria's Decade  
of Gas**

at

Nigeria Gas  
Association (NGA)  
Conference  
2023



**Nigerian  
Domestic Gas  
Ambassadors**

at

Nigeria Gas  
Association (NGA)  
Conference  
2023



**Local Content  
Company of the  
Year 2022**

at

Nigeria International  
Energy Summit (NIES)  
2023



**Gas Infrastructure  
Project of the  
Year 2022**

at

Nigeria International  
Energy Summit (NIES)  
2023





... globally competitive LNG company helping to build a better Nigeria