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NIGERIA ENERGY 2025 DRIVING GROWTH THROUGH GAS



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NIGERIA ENERGY 2025

The Power Beneath Nigeria's Energy Revival

The country is turning its vast natural gas reserves into a national engine for growth, using smart policy, local enterprise, and ambitious infrastructure to power homes, fuel industries, and redefine its place in the global energy map.

Nigeria has long sat atop a wealth of natural gas, with over 210 trillion cubic feet in reserves, making the country the largest gas holder in Africa and placing it among the top ten globally. For decades, these reserves remained underutilized, overshadowed by crude oil and hampered by infrastructure gaps and policy inertia. Framed by the federal government's "Decade of Gas" initiative, Nigeria is now repositioning gas as the backbone of its economic development. The policy signals a strategic shift away from diesel and dependency toward cleaner, more reliable, homegrown energy. "Affordable, reliable energy is what drives manufacturing, education, and healthcare," says Roger Brown, CEO of Seplat Energy. "We operate three onshore gas processing plants, and with our recent acquisition of ExxonMobil's offshore assets, we expect to process up to one billion cubic feet of gas per day."

Gas is now expected to do the heavy lifting by powering industries, fueling transport, and lighting homes. The change is rooted in policies that prioritize domestic utilization, energy security, and sustainable development. In areas like the Lekki Free Zone, Abuja, and Ibadan, pipelines have already been laid and compressed natural gas (CNG) stations commissioned, signaling real progress on the ground. "We are operating 22 CNG stations across Nigeria and have 12 more in different stages of construction," says Nagendra Verma, Managing Director of Nipco Gas. One of the country's most ambitious projects is the 614-kilometer Ajaokuta-Kaduna-Kano pipeline, designed to carry gas deep into northern Nigeria and unlock new industrial corridors. At the same time, the NLNG Train 7 project is expanding the country's liquefied natural gas capacity by 35%, positioning Nigeria as a key player in global gas exports. "We are building an export terminal approved by the federal government, and we want to become full asset operators," says Dr Vincent Ajilo, President and Group CEO of AJIVIN Group of Companies

But the most stirring developments may be unfolding in the hands of local companies. Bell Oil & Gas, a wholly Nigerian-owned firm, recently commissioned a facility to fabricate valves and oil country tubular goods, a first for the country. "We were the first and remain the only local company with a composite pipe fabrication facility in the country," says CEO Dr Kayode Thomas. "Our plant is staffed entirely by Nigerians, a deliberate choice to show the world that Nigerians have the skill and capacity to lead in this industry." Local content is on the rise, with major projects like the Dangote Refinery set to become the world's largest single-train refinery capable of processing 650,000 barrels of crude oil per day.

Running alongside this domestic push is a broader regional vision embodied by the Nigeria-Morocco Gas Pipeline. Stretching nearly 7,000 kilometers across 13 West African countries, the US\$25 billion project is among the longest offshore pipelines ever planned. With feasibility and engineering phases completed and a final investment decision expected soon, the pipeline promises to bring Nigerian gas to Europe while knitting together the energy networks of an entire region. It is as much a diplomatic project as an energy one.



"Nigeria will work harder and be productive with our own gas. It is an economic necessity that we should embrace."

**H.E. Bola Ahmed Adekunle Tinubu,
President Of Nigeria**

The effects of this transformation are beginning to ripple outward. In industrial clusters, gas is reducing energy costs. In rural areas, it is offering alternatives to biomass and kerosene. Transport fleets are converting to CNG. Small businesses are finding new life in regions once deemed too remote or too risky.

Investors are watching the policy signals, the improved security, and the surge of local initiative. In 2024 alone, Nigeria's gas sector attracted over US\$5 billion in new investments, reflecting growing international confidence in the country's energy reforms and infrastructure development. Notably, Nigeria accounted for three out of four Final Investment Decisions announced by global oil and gas majors in Africa, totaling US\$13.5 billion, underscoring its position as a leading upstream investment destination on the continent.

Nigeria is indeed redefining its future with the tools it has long possessed, moving from aspiration to execution. In the workshops of Lekki, the pipelines of Ogun, and the terminals along the delta, that promise is being forged into progress.

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**HON. EKPERIKPE EKPO,
MINISTER OF STATE FOR PETROLEUM RESOURCES (GAS) OF NIGERIA**

Inside Nigeria's Strategic Pivot Toward a Gas-Powered Future

**HON. EKPERIKPE EKPO,
MINISTER OF STATE FOR
PETROLEUM RESOURCES
(GAS) OF NIGERIA**

In a conversation with Penresa, Minister Ekpo outlines Nigeria's shift to a gas-powered economy through strategic infrastructure and clean energy investments to boost supply, attract investment, and cut emissions.



How is the Ministry advancing Nigeria's National Gas Expansion Programme to boost domestic energy supply and support renewable initiatives?

The Ministry of Petroleum Resources (Gas) is implementing the President's vision through the Decade of Gas initiative, aiming to raise Nigeria's average daily gas production from 7.5 to 12.5 billion cubic feet by 2030. This is supported by key programs including the presidential initiative on compressed natural gas (CNG), the Nigerian gas expansion program, and the gas acceleration program. These initiatives promote CNG for transportation and expand liquefied petroleum gas (LPG) for clean cooking. We are encouraging industries to switch from more expensive energy sources to more affordable, sustainable natural gas. The launch of the CNG Conversion Incentive Program and the MyCNG app reflects our focus on accessibility. We're also integrating gas with renewables like hybrid gas-solar mini-grids for rural electrification and developing a national hydrogen policy to diversify the energy mix. Together, these efforts are reshaping Nigeria's energy landscape.

How are the savings from fuel subsidy removal being used to develop the gas sector?

The President's decision to end fuel subsidies has freed resources now being invested in strategic gas infrastructure. This includes the AKK and OB3 pipelines and the expansion of CNG and LPG networks. We're also supporting local manufacturing of gas-related equipment. Funds are being used to procure CNG vehicles, conversion kits, and promote alternative fuels. Some states now offer free CNG-powered transport to accelerate the shift from petrol. These measures are reducing transport costs, creating jobs, and expanding energy access.

What strategies is the Ministry using to attract investment in Nigeria's untapped gas reserves?

We're partnering with the Gas Exporting Countries Forum (GECF) to strengthen investment, technical cooperation, and knowledge sharing. Regional pipeline projects such as the Nigeria-Equatorial Guinea Gas Pipeline, Trans-Saharan Gas Pipeline, and Africa Atlantic Pipeline will facilitate gas exports and industrial use. These partnerships will boost monetization, curb flaring, and improve domestic supply, strengthening Nigeria's global energy position while supporting growth and sustainability.

"We aim to raise Nigeria's average daily gas production from 7.5 to 12.5 billion cubic feet by 2030."

What is being done to reduce gas flaring in line with Nigeria's environmental goals?

The Ministry launched the Gas Flare Commercialization Programme through the NUPRC to capture flared gas for power and productive use. Several gas hubs—Kwale Gas Gathering Hub, Brass Gas Industrial Park, OML 13, and Ibaka Gas Hub—process gas that would otherwise be wasted. Expanding domestic utilization is reducing diesel use, promoting clean energy, and enhancing environmental sustainability.

How do key infrastructure projects like the Brass Fertilizer Project support the gas sector?

Though still in early stages, we've signed key agreements to move the US\$3.3 billion Brass Fertilizer Project forward. Once operational, it will drive industrialization, create jobs, and support local industries. The Kwale Gas Hub is operational and central to flare reduction. The Ibaka Gas Hub and OML 13 project in Akwa Ibom is progressing, with the capacity to process 1 BCF [billion cubic feet] of gas per day. These initiatives support Nigeria's ambition to become a global gas leader.

What is the Ministry doing to lower cooking gas costs and improve affordability?

We're working with NMDPRA [Nigerian Midstream and Downstream Petroleum Regulatory Authority] and stakeholders to reduce LPG prices. In late 2024, I directed all domestically produced LPG be supplied locally to increase availability and lower costs. Higher refinery output has already cut prices by 16%, from ₦950 [US\$0.59] to ₦800 [US\$0.49] per kilogram in three months. We're also expanding local production, improving storage and distribution, and offering targeted subsidies. Through our LPG program, we're distributing free cylinders filled with LPG. I recently visited Borno State, where we handed out 500 units with the state government.

What message do you have for international investors?

The Ministry is committed to making Nigeria an attractive investment destination. Since its creation, the President has introduced regulatory reforms, including tax incentives, exemptions, and local content requirements to encourage investment. New presidential directives also streamline contracting and reduce operational costs. To further support private sector participation, we've launched the Midstream and Downstream Gas Infrastructure Fund, where the government can take equity in viable gas projects to reduce investor risk. These measures are designed to attract foreign direct investment, create jobs, and drive Nigeria's transition to a gas-powered economy.



**SENATOR HEINEKEN
LOKPOBIRI,
MINISTER OF STATE FOR
PETROLEUM RESOURCES
(OIL) OF NIGERIA**

Unveiling Nigeria's Oil Reforms and Energy Future

In an interview with Penresa, Senator Heineken Lokpobiri reveals that Nigeria has increased its oil production by 80% in less than a year, signaling a strong resurgence for Africa's leading energy player amid a global energy transition.



What are the ministry's key achievements in improving Nigeria's oil sector?

When we assumed office in 2023, Nigeria was producing around one million barrels per day, including both crude and condensate. Today, we're producing approximately 1.8 million barrels. Our goal is to reach two million barrels per day, which aligns with the 2025 budget benchmark of 2.06 million. That represents an 80% increase. This progress is the result of deliberate and strategic policy decisions we've taken since coming into office. One of the reforms that contributed to the production increase is the change we made in prolonging contracting cycles. Contracts that should take a few months were dragging on for as long as 24 months. We engaged all stakeholders and agreed on a new framework that emphasized that no contract should exceed six months in processing time. Today, any project valued under US\$10 million no longer goes through the traditional contracting cycle. This has significantly accelerated project delivery.

How is Nigeria enhancing its legal and fiscal environment to attract investment?

For nearly 12 years, Nigeria lacked a stable legal framework for oil and gas investment, which discouraged capital inflows. The Petroleum Industry Act (PIA) has now changed that. It provides clear legal direction and offers strategic incentives to investors.

Because of the policies we've put in place, Nigeria is once again becoming a viable destination for oil and gas investment. We are also taking measures to boost refining capacity. The Dangote Refinery is operational. The Port Harcourt and Warri refineries are partially functional. Several modular refineries owned by the private sector are now running. We've fully deregulated the downstream sector to attract new investment. Investors are now free to import fuel as part of a more open and competitive market.

What's being done to revive idle oil wells and boost output?

We identified one block that has over 150 oil wells, but fewer than 10 are active. Some wells have been dormant since the 1970s. We're reviewing such cases. Operators must either bring these assets back into exploration or hand them over to companies with the financial and technical capacity to develop them. In this era of global energy transition, every available well must be explored now.

"We're producing approximately 1.8 million barrels per day and plan to scale this to two million barrels."

What is your stance on local content and the ongoing divestments?

We want to see local content become a business enabler and not an impediment to investments. Originally, there was a misunderstanding of the local content law. Some interpreted it as a push to sideline international service providers. But we clarified that Nigeria's oil sector is large enough to accommodate all players. Before this administration, divestments were stalled. Today, they're moving forward with several initiatives.

What security improvements have supported growth in the sector?

Security around oil infrastructure in the Niger Delta has improved significantly. That's one reason production has increased. We're also working closely with security agencies and private contractors to maintain and strengthen these gains.

How does Nigeria reconcile its fossil fuel strategy with the global shift toward clean energy?

Africa accounts for just 3% of global CO₂ emissions, while individual countries such as the UK contribute a higher share, around 4.8%. This highlights the relatively minimal footprint of the continent in global emissions. Nigeria is fully committed to the global energy transition and has taken important steps through legal and regulatory reforms to support it. At the same time, continued fossil fuel production remains essential for generating the revenues required to invest in renewable energy. It's important to emphasize that the Paris Agreement focuses on reducing emissions, not halting fossil fuel production. That distinction is often overlooked in the broader conversation. Even in the case of electric vehicles, factories producing them use either fossil fuel or coal, which is responsible for over 50% of global emissions. The energy transition should recognize the unique development needs and energy realities of each region.

How is Nigeria planning to finance its energy future?

The West has restricted funding for fossil fuel development. In response, we've created the Africa Energy Bank. We believe Africa's energy security must be shaped and financed by Africans. The Africa Energy Bank is a crucial step in that direction.



**OLUWOLE ADAMA,
EXECUTIVE DIRECTOR
OF MDGIF**

A New Era for Nigeria's Gas Industry and Infrastructure

The MDGIF enhances Nigeria's gas economy by funding critical infrastructure, including LNG storage, CNG refueling stations, and pipeline projects.

Thanks to government-supported efforts and the visionary leadership of industry players, Nigeria's commitment to transitioning to a gas-powered economy has accelerated significantly. The

Midstream and Downstream Gas Infrastructure Fund (MDGIF), which was created to improve Nigeria's gas infrastructure and draw in private investment, is one of the major actors in this transition.

Oluwole Adama, MDGIF's Executive Director, says the fund fully aligns with President Bola Tinubu's vision for a gas-powered Nigeria. Nigeria sits on 209 trillion cubic feet of proven gas reserves, making it a gas nation with significant untapped potential. However, he acknowledges that infrastructure deficits have been a challenge.

The Petroleum Industry Act's creation of the MDGIF offers a methodical strategy for boosting private sector participation and domestic gas consumption. "Improving investment in gas infrastructure, from processing plants to pipelines and storage facilities, is our clear mandate," says Adama. "We are taking the required initial steps, but we are aware that closing the infrastructure gap will require substantial funding."

Under Adama's leadership, MDGIF has launched several major projects designed to de-risk investments and accelerate gas adoption across Nigeria. The fund has allocated 124.5 billion naira to six indigenous companies for a range of initiatives.

One of the projects focuses on developing a mini-LNG plant in Delta State, located near a gas field. "This will allow us to tap into existing reserves and provide a steady supply of LNG," Adama says. Another major initiative is the construction of a 13,200-metric-ton LNG storage facility in Lagos. "This will be the first of its kind in Africa," he says. "It will transform the landscape of LNG storage and distribution, ensuring stable supply and driving down costs."

MDGIF is also investing in compressed natural gas (CNG) refueling stations, particularly in educational institutions. "We are deploying mobile refueling units in 20 Nigerian universities," Adama says. "With over 70% of Nigeria's population being young, affordable and cleaner transportation options are critical. This initiative will cut student transport costs by up to 50%."

"Nigeria sits on massive gas reserves, but the infrastructure gap is a big challenge. That's exactly why this fund was created—to close that gap."

The fund is also supporting Lagos State's initiative to switch to CNG for commercial buses. More than 30% of Nigeria's fossil fuels are used in Lagos. "We can drastically cut pollution and transportation expenses by installing 12 CNG fueling stations and updating state buses," says Adama.

MDGIF is also funding a project to move LNG from Ajaokuta to northern states in order to guarantee that northern Nigeria is not left out. According to Adama, "this initiative will bridge the gap and provide an alternative energy source for industries and transport systems in the north until the AKK pipeline is fully operational."

A key component of MDGIF's approach is cooperation with commercial businesses. Adama adds that "gas infrastructure projects come with risks and require long-term investment. We are lowering risk and attracting new players to the market by putting up to 40% of our equity into profitable companies through strategic partnerships."

As a result of the tremendous interest in the program, MDGIF has received hundreds of project suggestions. "We must make strategic choices," Adama says. "We prioritize scalable, impactful projects that support Nigeria's long-term energy objectives."

President Tinubu has pledged that Nigeria will achieve net-zero emissions by 2060, and MDGIF is playing a key role in this transition. "The projects we are launching now will reduce emissions by 15% and increase gas consumption by at least 20% in the next year," Adama says.

MDGIF is investing in gas flare reduction projects. "We are working with upstream partners to commercialize flare sites. Three of these projects are expected to cut gas flaring by 15%," he says. With Nigeria at a crucial point in its energy transition, MDGIF is committed to driving progress. "We are not just funding projects; we are building a sustainable gas economy," Adama says. "By the end of this year, we expect to have 20 additional strategic projects underway, helping to increase gas adoption and lower emissions nationwide."

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PROFESSOR ANTHONY ADEGBULUGBE, CHAIRMAN & CEO OF GREEN ENERGY INTERNATIONAL LIMITED

Rethinking Oil, Reimagining Nigeria

Green Energy International Limited is redefining Nigeria's energy future through innovative, community-driven projects that transform oil and gas into tools for development, sustainability, and lasting national impact.



Long before he led one of Nigeria's most daring energy ventures, Professor Anthony Adegbulugbe was a man of ideas. An advisor to former President Olusegun Obasanjo and a retired professor of Energy Planning

and Management at Obafemi Awolowo University, he had spent decades writing and teaching about energy systems, climate change, and development.

Now in his 70th year, Professor Adegbulugbe is living those ideas. "I devoted a lot of my time to growing Green Energy International Limited and all its auxiliaries," he says. His company, Green Energy, has quickly become one of Nigeria's most innovative indigenous energy players not by imitating the oil majors but by reimagining what energy development should look like.

From the outset, Professor Adegbulugbe resisted the typical exploration-and-export model that defines much of the oil sector. Green Energy, he insists, was never just an E&P company. Instead, he envisioned "an integrated energy firm," one that would see energy as more than a commodity and approach it as a tool for national development. He viewed gas, in particular, as an untapped opportunity. While many producers flare excess gas, Green Energy took a different route. "We recently launched a small-scale modular liquefied petroleum gas (LPG) extraction plant, which delivers 20 megawatts of power and 60 tons of LPG per day into the domestic market," Professor Adegbulugbe says.

Among the company's most audacious feats is the construction of an onshore oil terminal, an achievement unprecedented for an indigenous firm. With a US\$400 million investment, the facility is poised to serve beyond green energy, reaching dozens of stranded fields in the region. "The terminal can process up to 750,000 barrels of oil per day and is connected to a 23-kilometer offshore pipeline for exports," the professor says. Unlike floating terminals, which disappear after a decade or two, this is permanent infrastructure, rooted in Nigerian soil.

What makes Green Energy distinct is its insistence on using oil and gas revenue to drive local development. With only five to six megawatts of its 20 megawatts used onsite, Green Energy has what the professor calls "a good problem": surplus power. Instead of selling it to the grid, Professor Adegbulugbe wants to fuel local

"We are building a terminal that can process up to 750,000 barrels of oil per day and is connected to a 23-kilometer offshore pipeline for exports."

livelihoods. "We're going to put in place an agro-industrial complex that can use the power," he says. "In the next couple of years, it will change the face of development in the region." The goal is to create jobs, spur entrepreneurship, and support local livelihoods. The company's LPG plant has already created 120 new jobs. The new terminal will employ at least 500 people directly and many more indirectly.

As part of its environmental stewardship, Green Energy has eliminated flaring by turning gas into power and LPG. "That's the biggest environmental issue," Adegbulugbe notes, referring to other small operators. "And that's what we decided to confront headlong." In the local fishing community, the company is building a cold storage facility to replace traditional fish-smoking methods that rely on firewood.

Green Energy's people-first philosophy extends to its staff. Professor Adegbulugbe, ever the academic, insists on rigorous training. "I have more people on financial modeling in this company than most banks in Nigeria," he says. From geologists to lawyers, employees are sent to top schools and trained in skills outside their discipline. It's not just about running an efficient company—it's about building one that lasts.

For investors eyeing Nigeria from abroad, Professor Adegbulugbe is emphatic: "Come." Nigeria, he argues, is brimming with opportunity. "We have a large population. We have a very educated workforce, and under the current administration, the regulators are becoming facilitators," he says. Still, he reminds outsiders of a simple truth. "Only Nigerians can develop Nigeria." Foreign partners are welcome, but they must be willing to work in synergy with local companies and trust in their vision.

Green Energy isn't slowing down. A second LPG train is already in the works, and the company plans to launch a mini-LNG project and integrate solar energy into its facilities. The firm is proving that in Nigeria, with the right mindset, energy can do more than power homes—it can power lasting change.



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An Emerging Energy Powerhouse

Through a comprehensive approach that includes regulatory overhaul, grassroots support to its citizens, infrastructure expansion, and strategic partnerships with the private sector, Nigeria is recalibrating the use of its vast natural gas reserves.

Beneath Africa's soil, a natural gas reserve of over 800 trillion cubic feet can be found, from North Africa's deserts to the verdant plains of the sub-Saharan region. Nigeria holds the largest reserve of this resource, with a sheer volume of approximately 210 trillion cubic feet, ranking ninth globally and making it one of the few nations in the world that have the potential to drive the global shift from coal and oil to cleaner energy.

The West African country is now tapping into its natural gas reserve, 76% of which remains undeveloped, to promote economic growth, energy security, and global competitiveness.

In 2023, President Bola Ahmed Tinubu's administration introduced the Presidential Compressed Natural Gas Initiative (PI-CNG) to drive CNG adoption and ease Nigeria into a cleaner energy era. The initiative converts cars to be able to run on CNG with conversion discounts for e-hailing drivers and the deployment of bi-fuel buses and CNG tricycles.

Over US\$200 million has already been invested across the value chain of the scheme since its launch. In its drive to boost a gas-powered economy, the federal government has hosted the first-ever CNG Stakeholders and Investors' Forum with a target to achieve conversions of one million vehicles to gas by 2027.

The Nigerian Independent Petroleum Company (NIPCO) supports the initiative through its 'Switch to CNG' campaign, driving a nationwide impact into transitioning to natural gas. A game changer for the country's economy, the introduction of natural gas is already easing the financial burden of fuel prices on Nigerians.

"Nigeria's motorists can buy petrol at ₦1,000 per liter or equivalent gas per standard cubic meter at ₦200," says H.E. Bola Ahmed Tinubu, President of the Federal Republic of Nigeria.

"Our administration's Presidential Initiative on CNG is a flagship program through which we are actively supporting a private-sector-led rollout of critical gas infrastructure to drive innovation and industrialization in Nigeria."

The president's CNG initiative aims to create 25,000 jobs and attract US\$2.5 billion in investment by 2027. Increasing domestic market growth, the nation's transition to CNG will reduce dependence on imported refined petroleum products.

Another initiative by the federal government is the Ride Share Compressed Natural Gas (CNG) Conversion Incentive Program,



Bola Tinubu, President of Nigeria, and Vice President, Kashim Shettima (center) at an inauguration.

"Nigeria's motorists can buy petrol at ₦1,000 per liter or equivalent gas per Standard Cubic Meter at ₦200."

H.E. Bola Ahmed Tinubu,
President of
the Federal Republic of Nigeria

which aims to provide accessible and affordable transportation for Nigerians. Simultaneously, the Nigerian National Petroleum Company Ltd. has commissioned 12 Compressed Natural Gas stations in Abuja and Lagos to reduce transportation costs for Nigerians.

"We know that transportation is responsible for about 14-15% of what an average family spends," notes Michael Oluwagbemi, Project Director and CEO of the Presidential CNG Initiative.

"CNG for the rideshare industry will mean our young people going to work, school, church, and mosque will be able to afford transportation. CNG is not just a revolution; it is about looking inward for the first time in a long time to use [natural] resources."

Nigerians seeking credit to convert their cars or build solar systems to power their homes can apply for credit at the Nigerian Consumer Credit Corporation (CREDICORP), which has introduced the Credit Access for Light and Mobility (CALM) Fund.

Providing the foundational structure and guidelines to plan and implement natural gas projects, Tinubu's administration has launched policy directives that focus on the monetization of Nigeria's gas resources and the timely execution of projects. The directive aims to compress project contracting cycles from 36 months, at present, to less than six months, increasing the efficient delivery of gas-related projects.

PRESIDENTIAL COMPRESSED NATURAL GAS INITIATIVE (PI-CNG)

“Nigeria’s gas deposit translates to over US\$800 billion, and when this is fully harnessed, it will impact our economy directly. We have only accessed a paltry 1.7%, and this shows we are still yet to fully take advantage of this sector,” says Hon. Obongemem Ekperikpe Ekpo, Minister of State for Petroleum Resources (Gas).

An increasing emphasis on private sector-led endeavors characterizes the president’s approach to maximizing Nigeria’s gas potential.

“The president strongly believes that private sector-led growth enabled by clear and inclusive government policies is the most enduring path to prosperity for all Nigerians,” says Olu Verheijen, Special Advisor to the President on Energy.

“We will sustain our engagements and collaboration with key investors to ensure we attract not only capital but also the capabilities this sector requires to catalyze job creation, productivity, and income growth across multiple sectors.”

The government’s fiscal incentives to deepen Compressed Natural Gas (CNG) and Liquefied Petroleum Gas (LPG) penetration are designed to ease the impact of the removal of fuel subsidies on transportation costs and enable the removal of petroleum and diesel. It also aims to contribute to stabilizing the price of cooking gas in the market and support the transition to clean cooking.

Nigeria’s transition to natural gas is complemented by the government’s focus on improving the nation’s energy infrastructure. The Ajaokuta–Kaduna–Kano (AKK) gas pipeline project, one of these key infrastructure projects worth US\$2.8 billion, transports natural gas from the southern to the central part of Nigeria.

Natural gas creates multifaceted economic opportunities in Nigeria, from supporting gas-fired thermal power plants as the primary fuel for the nation’s electricity generation to supporting industrial growth and improving the living standards of Nigerians. Natural gas also serves as feedstock for industries, especially in petrochemicals, fertilizers, and methanol production, while boosting manufacturing and agro-industries through affordable energy and feedstock.

Beyond its large reserves, Nigeria boasts a strategic export capacity to diversify foreign exchange earnings from natural gas. The nation’s gas exports surpassed 29 billion standard cubic meters in 2023, while the country earned ₦1.677 trillion in the first quarter of 2024 with natural gas exported to Spain, France, and Belgium.

Emitting less carbon dioxide and other pollutants, natural gas is considered a cleaner fossil fuel and serves a larger purpose of protecting the environment.

“In a world where the environment is crying out for help, where climate change is an undeniable reality, our decision to adopt CNG technology is not just commendable; it is essential,” remarked Zacch Adedeji, Chairman of the Presidential CNG Initiative Steering Committee, adding that in the next three to five years, Nigeria would be saving US\$3 million to US\$5 billion that the country was spending on Premium Motor Spirit (PMS).

As a signatory of the World Bank’s Global Gas Flare Reduction Partnership principles for global flare-out by 2030 and a country that has ratified the Paris Climate Change Agreement, Nigeria has vowed to remove all flares by 2025 to reduce environmental damage.

Being more efficient and economical, the use of natural gas is supporting large corporations reduce their energy costs.

“Nigerians should see the big picture on the CNG rollout that this is about the future of our children and our country. It’s about



making efficient use of the resources that we have, and increasing our energy competitiveness,” notes Toyin Subair, Special Assistant on Special Duties and Domestic Affairs.

“The top ten largest companies in Nigeria don’t use petrol and diesel. They use gas which is why they are making significant profits.”

Nigeria’s vast reserves of natural gas are the cauldron in which its industrial future is being sculpted, shaping a nation ready to lead Africa’s energy transformation.

<https://pci.gov.ng/>





DR KAYODE THOMAS,
CEO OF
BELL OIL & GAS

Building A World-Class Oil & Gas Industry in Nigeria

Founded in 2002, Bell Oil & Gas has reshaped Nigeria's oil and gas industry, demonstrating the impact of local expertise in a field long dominated by foreign players.

Throughout its more than two-decade journey, Bell Oil & Gas has mirrored Nigeria's ascent toward building a thriving, self-sufficient oil and gas industry. Founded in 2002, the company has emerged as a symbol of indigenous expertise and investment, proving that local talent can lead the charge in transforming an industry historically dominated by foreign players. "Our vision is to establish ourselves as the definitive reference for local content development within Nigeria's oil and gas industry," asserts Dr Kayode Thomas, CEO of Bell Oil & Gas. Every aspect of Bell Oil & Gas' operations—from its plants, which are entirely staffed by Nigerians, to its commitment to reinvesting profits locally—embodies this vision.

Bell Oil and Gas' trajectory is punctuated by perseverance and strategic milestones. Surpassing the crucial five-year mark of its establishment—a time when many startups fail—was a defining moment. "Breaking through that barrier was monumental for us," Dr Thomas reflects, emphasizing how it signaled the company's shift from survival to sustainable success. Bell Oil & Gas secured its first major contract back in 2004 for the installation and commissioning of composite pipes on Shell's Bonga FPSO. Yet, it was 2013 that proved transformative. "Bell Oil & Gas became the first Nigerian company to be awarded a deep offshore subsea line pipe project—the Egina Deepwater project for Total," recalls Dr Thomas. The firm further solidified its market leadership by establishing Nigeria's first and only composite pipe fabrication facility in 2015, challenging an industry where local players were often sidelined. The company's forward-thinking approach continued with the securing of foreign funding for its "Project Evolution" to establish a state-of-the-art valve assembly and OCTG/pipe threading plant in the country. The ground breaking of the plant took place in 2020, despite the disruptions caused by the global pandemic. Dr Thomas describes the commissioning of the new plant in 2024 as "the most significant milestone in our 23-year history," underscoring the company's unyielding drive to evolve and expand its capabilities.

The empowerment of local talent and the retention of intellectual and financial capital within Nigeria are central to Bell Oil & Gas' ethos. "We deliberately staff our plants with Nigerians—it's a strategy," Dr Thomas points out. "Our goal is to create jobs, transfer knowledge, cultivate expertise, and ensure that the wealth generated from the

"Our vision is to establish ourselves as the definitive reference for local content development within Nigeria's oil and gas industry."

sector stays within the country," he says. By partnering with international firms, Bell Oil & Gas has fostered a hybrid model that combines global knowledge with the cultivation of robust local capacity, positioning itself as both a global competitor and a champion of Nigerian talent.

As Bell Oil & Gas moves into 2025, the company's strategy focuses on internal growth. "The strength of any company lies in its people, and to continue advancing externally, we must first invest in the people who have driven our success thus far," says Dr Thomas. This internal consolidation will include increased training, improved employee retention, and enhanced welfare programs. Alongside this, Bell Oil & Gas aims to capitalize on its expertise as a producer of Oil Country Tubular Goods (OCTG) and anticipates the launch of Nigeria's first domestically produced valves for the oil and gas sector.

Technology plays an integral role in Bell Oil & Gas' operations. The company's newly commissioned valve assembly plant—hailed for its cutting-edge capabilities—embodies the company's commitment to innovation. "From integrating advanced multi-phase flowmeters for well testing to upgrading our ERP systems, we're continuously evolving our operations," Dr Thomas notes. "Our partnerships with top-tier OEMs and technical collaborators ensure that we stay on the cutting edge."

Bell Oil & Gas also places significant value on its strategic collaborations. The company has built strong relationships with key stakeholders, particularly regulators like the Nigerian Content Development and Monitoring Board. The company is now a trusted vendor for most international oil companies operating in Nigeria, yet Dr Thomas acknowledges the rise of indigenous firms. "Over the past year, we've seen a wave of divestments from foreign operators to local companies," he points out. "This shift is a clear indication that Nigerian companies are leading the sector and not merely participating in it." With a focused vision for people, technology, and strategic collaboration, Bell Oil & Gas is poised to continue pushing the boundaries of what's possible for local companies in the oil and gas industry in Nigeria.

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MUBARAK UMAR DANBATTA, CEO OF ROLLING ENERGY

Nigeria's Energy Landscape Evolves with a Bold Gas Strategy

A leader in Nigeria's energy transition, Rolling Energy builds LNG and CNG infrastructure to expand gas accessibility, reduce fuel costs, and drive industrialization, particularly in underserved northern regions.



The CEO of Rolling Energy, Mubarak Umar Danbatta, is leading Nigeria's energy revolution by promoting the country's infrastructure growth for Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG). Nigeria's

energy problems are being significantly addressed by Rolling Energy under his direction, especially in the northern areas where pipeline infrastructure is still lacking.

"Rolling Energy is actively driving clean, more affordable, and sustainable energy solutions," Danbatta says. In places where pipeline access is scarce, the business is using CNG and LNG as a bridging fuel to support transportation and industrialization respectively. In important northern states including Kano, Kaduna, and Borno, Rolling Energy is building LCNG facilities through a strategic relationship with the Midstream and Downstream Gas Infrastructure Fund (MDGIF). The firm is building a specialized CNG station in Abuja, taking advantage of Ajaokuta's direct gas supply because of its closeness.

This program is in line with the Nigerian government's "Decade of Gas" policy, which was introduced in 2021 to improve the nation's energy production and consumption. "Our objective is to shift Nigeria's economy to a gas-powered economy, reducing dependence on premium motor spirit and diesel for industrialization, transportation, and household energy requirements," says Danbatta.

Rolling Energy's partnership with The Presidential CNG Initiative (PCNGI) and MDGIF is a crucial part of its ambitious infrastructure expansion. By transporting LNG from Ajaokuta and other gas terminals in the southeast to the north, the company is ensuring the accessibility and affordability of cleaner energy alternatives. "This approach encourages more investors to participate in the sector and supports the government's Decade of Gas initiative," Danbatta says.

The company's impact in northern Nigeria is particularly significant, given that it is the only large-scale gas infrastructure project currently underway in the region. "We saw an opportunity where others hesitated. While most investments are concentrated in the south, Rolling Energy took the bold step of developing gas solutions for the north, where infrastructure is critically lacking," Danbatta says.

"People always focus on the south, but we saw the need in the north. We took that step when others didn't, and now we're showing it works."

Mubarak Umar Danbatta, CEO of Rolling Energy

Rolling Energy is incorporating renewable energy sources into its long-term plan, even if gas is still used as a transition fuel. The business is investing in sustainable energy technology through collaborations with global stakeholders, including Summa Energy in the U.S. "We are aligning our strategy to support President Tinubu's vision of achieving net zero emissions by 2060 because we recognize that solar is the way of the future," Danbatta says.

Jobs are being created throughout Nigeria thanks to Rolling Energy's initiatives. The company is collaborating with the Small and Medium Enterprises Development Agency of Nigeria (SMEDAN) to convert 100,000 automobiles to CNG within 18 months. According to Danbatta, "This project will significantly lower fuel costs for individuals and businesses, lower urban air pollution, and create thousands of jobs in gas distribution, vehicle conversion, and maintenance."

Danbatta sees gas infrastructure as the key to reviving Nigeria's industrial base, which suffered a decline in the 1990s due to unreliable power supply. "Gas can power industries, transportation, and households. In the past, businesses relocated to Ghana for better electricity supply, but with reliable gas infrastructure, Nigeria can reclaim its position as Africa's leading industrialized nation," he says.

The company's achievements in infrastructure development are already making a mark. One of its most notable accomplishments is the construction of a CNG Daughter Booster Station in Kwara State, completed in a record-breaking 30 days. "This achievement highlights our technical capacity, efficiency, and commitment to adapting to Nigeria's gas energy transition," Danbatta says.

For investors looking to enter Nigeria's energy market, Danbatta has a clear message: "Government policies are favoring gas expansion, with incentives such as duty waivers making it easier for investors to participate. Our President H.E. Bola Ahmed Tinubu is playing a crucial role in the success we're achieving by giving young men like myself a platform to thrive," he says.



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By embracing compressed natural gas (CNG), Nigeria is charting a sustainable path to energy independence, economic growth, and environmental responsibility.



Nigeria holds one of the world's most valuable energy assets—over 210 trillion cubic feet of natural gas waiting to be tapped. With 76% of this reserve yet undeveloped, Nigeria is positioned to lead Africa's transition toward clean energy. This immense potential, combined with strategic policies and

initiatives, is setting the stage for a revolution in the country's energy and economic landscape. Compressed natural gas (CNG) is emerging as the cornerstone of this transformation, reducing reliance on imported petroleum products and driving economic growth.

Under the leadership of President Bola Ahmed Tinubu, Nigeria's Presidential Compressed Natural Gas Initiative (Pi-CNG) has gained momentum. This ambitious program includes converting vehicles to run on CNG, offering conversion discounts to drivers, and deploying bi-fuel buses and tricycles across the nation. With an investment of over US\$200 million across the value chain since its inception, the initiative aims to convert one million vehicles to CNG by 2027. These efforts are bolstered by partnerships with private sector players like the Nigerian Independent Petroleum Company (NIPCO), whose "Switch to CNG" campaign is accelerating the transition to natural gas.

The cost savings for Nigerian citizens are substantial. Petrol prices have surged to ₦1,000 per liter, while CNG offers a more affordable alternative at ₦200 per standard cubic meter. This price disparity makes CNG an attractive option for households and businesses alike. "Our administration's Presidential Initiative on CNG is a flagship program that supports a private-sector-led rollout of critical gas infrastructure," notes President Tinubu. This initiative not only alleviates the financial burden on Nigerians but also enhances the country's energy security.

CNG adoption is about more than just economics; it's a commitment to sustainability. As a cleaner-burning fuel, CNG emits fewer pollutants than petrol or diesel, aligning with Nigeria's environmental goals, including its pledge to eliminate gas flaring by 2025. "CNG is about looking inward for the first time in a long time to use resources God has blessed us with," says Engr. Michael Oluwagbemi, CEO of the Presidential CNG Initiative. By embracing CNG, Nigeria is taking significant strides toward meeting its climate commitments under the Paris Agreement.

Infrastructure development is key to the success of this energy transition. Projects like the US\$2.8 billion Ajaokuta–Kaduna–Kano (AKK) pipeline are pivotal in transporting natural gas across the country, ensuring a steady supply for CNG initiatives. These infrastructure

developments are supported by clear government policies that compress project cycles from 36 months to under six months, facilitating timely execution and boosting investor confidence.

The economic benefits extend beyond transportation. CNG provides affordable energy for power generation, supporting industries such as petrochemicals, fertilizers, and manufacturing. "Nigeria's gas deposits translate to over US\$800 billion," notes Hon. Obongemem Ekperikpe Ekpo, Minister of State for Petroleum Resources (Gas). "When fully harnessed, this sector can significantly impact our economy." By replacing costly refined petroleum imports with domestic gas, Nigeria is saving billions of dollars while fostering industrial growth.

Private-sector participation is a cornerstone of this transformation. "The President strongly believes that private sector-led growth, enabled by clear and inclusive government policies, is the most enduring path to prosperity for all Nigerians," says Olu Verheijen, Special Advisor to the President on Energy. This collaborative approach ensures that Nigeria attracts not only capital but also the capabilities required to catalyze job creation, productivity, and income growth across multiple sectors.

Complementary programs like the Ride Share Compressed Natural Gas Conversion Incentive Program further demonstrate the government's commitment to making transportation accessible and affordable. Nigerians seeking to convert their vehicles or invest in solar systems can access credit through the Nigerian Consumer Credit Corporation (CREDICORP) under the Credit Access for Light and Mobility (CALM) Fund.

On the global stage, Nigeria's natural gas exports reached 29 billion standard cubic meters in 2023, generating ₦1.677 trillion in revenue in the first quarter of 2024. Exporting to countries like Spain, France, and Belgium, Nigeria is diversifying its foreign exchange earnings while showcasing its potential as a major player in the global energy market.

CNG is not just a solution for today's challenges; it's an investment in Nigeria's future. By adopting this cleaner, more economical fuel, the country is improving living standards, reducing environmental impact, and shaping a sustainable energy landscape. As Toyin Subair, Special Assistant on Special Duties and Domestic Affairs, aptly notes, "Nigerians should see the big picture on the CNG rollout. This is about the future of our children and our country." With strategic leadership, abundant resources, and a clear vision, Nigeria is well on its way to becoming Africa's energy powerhouse. 



**NAGENDRA VERMA,
MANAGING DIRECTOR
OF NIPCO GAS**

Powering Nigeria's Future with Indigenous Gas

Pioneering CNG for automobiles and expanding sustainable fuel infrastructure through strategic partnerships and using indigenous gas resources, NIPCO Gas is a key player in Nigeria's gas distribution sector.



Nipco Gas embarked on its journey in the gas distribution sector in Nigeria in 2007, initially focusing on a pioneering venture in compressed natural gas (CNG) for automobiles. The establishment of a CNG station

in Benin City marked the company's first steps into the industry. The initiative was driven by a vision to provide a cleaner, more sustainable alternative to traditional fuels for the automotive industry. "Nigeria has an abundance of natural gas that is over 209 trillion cubic feet, which is why we are strong advocates for the use of CNG," states Nagendra Verma, Managing Director of NIPCO Gas. "With this indigenous resource, we don't need to rely on imports or be affected by price fluctuations in the global market."

The firm currently operates approximately 22 CNG stations, meeting the growing demand for cleaner energy. An additional 12 stations are under construction and set for completion in 2025, further expanding accessibility and reinforcing the company's commitment to sustainable fuel solutions. "The goal is to establish CNG stations in strategic locations, ensuring accessibility for the public and facilitating vehicle conversions," notes Verma.

Since 2014, NIPCO Gas has been at the forefront of expanding Nigeria's gas infrastructure, supplying gas along the Lagos-Ibadan expressway to over 50 industrial units. This has strengthened the utilization of indigenous gas, further reinforcing Nigeria's gas economy. A key example of this strategic expansion is the Lekki Free Zone project. "We provide gas to the Lekki Free Trade Zone for distribution, which is a unique initiative. This ensures energy security and provides industries with a cleaner fuel source. As we've seen in other areas we've developed, industrial clusters will follow, driving economic growth," states Verma.

A widespread CNG infrastructure is essential to easing adoption, as many vehicle owners remain hesitant to convert in the absence of readily available refueling stations. However, following the removal of the Premium Motor Spirit subsidy under the new government, there has been a remarkable surge in vehicle conversions to CNG. Verma believes the response from the public has been overwhelmingly positive. "CNG users appreciate the environmental benefits and reduced vehicle maintenance associated with this cleaner fuel alternative. The use of



"Nigeria has an abundance of natural gas, over 209 trillion cubic feet, which is why we are strong advocates for using CNG."

CNG contributes to lowering greenhouse gas emissions. The emissions of CO₂, CO, NO_x, PM, and unburnt hydrocarbons are drastically reduced, and the emission of SO_x is virtually eliminated," he says.

The firm has partnered with the state-owned Nigerian National Petroleum Company Limited (NNPC) to deploy CNG stations across the country. The partnership with NNPC stands as a crucial collaboration, given its exclusive role in gas transmission and distribution through its pipeline network and agreements with producers. With over 15 years of experience in CNG, this joint venture with NIPCO Gas has proven to be highly effective. "We recognize that a robust infrastructure must precede widespread CNG adoption, which is why the initiative has focused on establishing mother stations along NNPC pipelines, including sites in Ore, Lekki, and Warri," says Verma, highlighting that streamlined regulatory approvals—significantly accelerated due to increased awareness—have further facilitated progress.

The expansion of CNG stations is also fostering significant local content development. Given the sensitivity and technical demands of hydrocarbon-based projects, thousands of local workers have been engaged, with a strong focus on training and inclusion. "Every CNG station requires 24-hour maintenance and monitoring, creating employment opportunities. We prioritize hiring and training local manpower, supporting both job creation and skills development," notes Verma.

NIPCO Gas is expanding Nigeria's CNG infrastructure with plans to develop a gas pipeline to Ibadan after receiving four distribution licenses from the Nigerian Midstream and Downstream Petroleum Regulatory Authority. "We aim to commission this trunk pipeline across its licensed areas by the second quarter of 2026. Expansion in the Lekki Free Zone will enable businesses to connect seamlessly once the distribution pipeline is in place," Verma notes. With growing demand, increased utilization of indigenous gas is inevitable—an outcome already demonstrated in Ibafo, where similar infrastructure development has driven adoption and accessibility.

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ENGR. EFFIONG OKON, FNSE,
MANAGING DIRECTOR
OF AGPC

Rewriting Nigeria's Energy Story with Midstream Gas Expansion

A midstream gas processing leader, AGPC develops Nigeria's vast reserves to supply power plants, petrochemicals, and LPG markets, supporting economic growth and sustainability.



AGPC was established in 2017 as a 50/50 incorporated joint venture between Seplat Energy PLC and NNPC Limited to release Nigeria's enormous gas reserves, especially the Assa North Field in Imo State.

This project is a crucial part of Nigeria's larger plan to address the country's energy security, availability, and sustainability challenges.

In order to facilitate midstream investment, AGPC was established, primarily concentrating on the Assa North sector. Shell found this field in the 1960s, but it wasn't developed for decades. According to Engr. Effiong Okon, Managing Director of AGPC, "SEPLAT saw an opportunity to develop the field at a lower cost and supply gas to the domestic market, but Shell prioritized other assets." To ensure effective resource use, the gas processing infrastructure was divided into two facilities as a result of the partnership with NNPC.

The AGPC facility, which cost US\$700 million to build, will process 300 million standard cubic feet of gas per day. "The objective is to produce LPG for domestic use and supply power plants and petrochemical industries, which will help reduce reliance on firewood and contribute to decarbonization and displace biomass," says Okon. Indorama, a major player in Nigeria's petrochemical sector, is one of the primary off-takers.

The gas export route pipeline, owned by NNPC Gas Infrastructure Company, is essential for transporting processed gas and will be ready in Q2 2025, once the River Niger Crossing is complete. "About 97% of the entire 130 km pipeline is already operational upstream of the River Niger. Once completed, we can fully integrate into the national gas infrastructure," Okon says. The project has strong government backing, with President Bola Tinubu emphasizing its importance in Nigeria's gas master plan.

Nigeria has one of Africa's largest proven gas reserves, with approximately 209 trillion cubic feet. According to Okon, "We've always known that Nigeria is more of a gas basin than an oil one." Particularly in the aftermath of worldwide energy changes, the nation's gas policy has accelerated. "The importance of gas for energy security has been recognized globally, and Nigeria has a unique opportunity to step up," he says.

"The creation of a dedicated Minister of State for Gas Resources was a game-changer. It ensures that gas development remains a top priority."

The government's focus on gas is evident through policy initiatives, including executive orders aimed at reducing contract cycle times and improving local content frameworks. "The creation of the office for the Minister of State for Gas Resources is a game-changer. It ensures that gas development remains a top priority," Okon says.

Sustainability is central to AGPC's operations. "Our plant is designed for zero routine flaring. We only flare for process safety reasons," Okon says. The facility utilizes waste heat recovery and electric-driven motors to minimize its carbon footprint. This approach aligns with Nigeria's 2060 net-zero emissions target, reinforcing gas as both a transition and destination fuel.

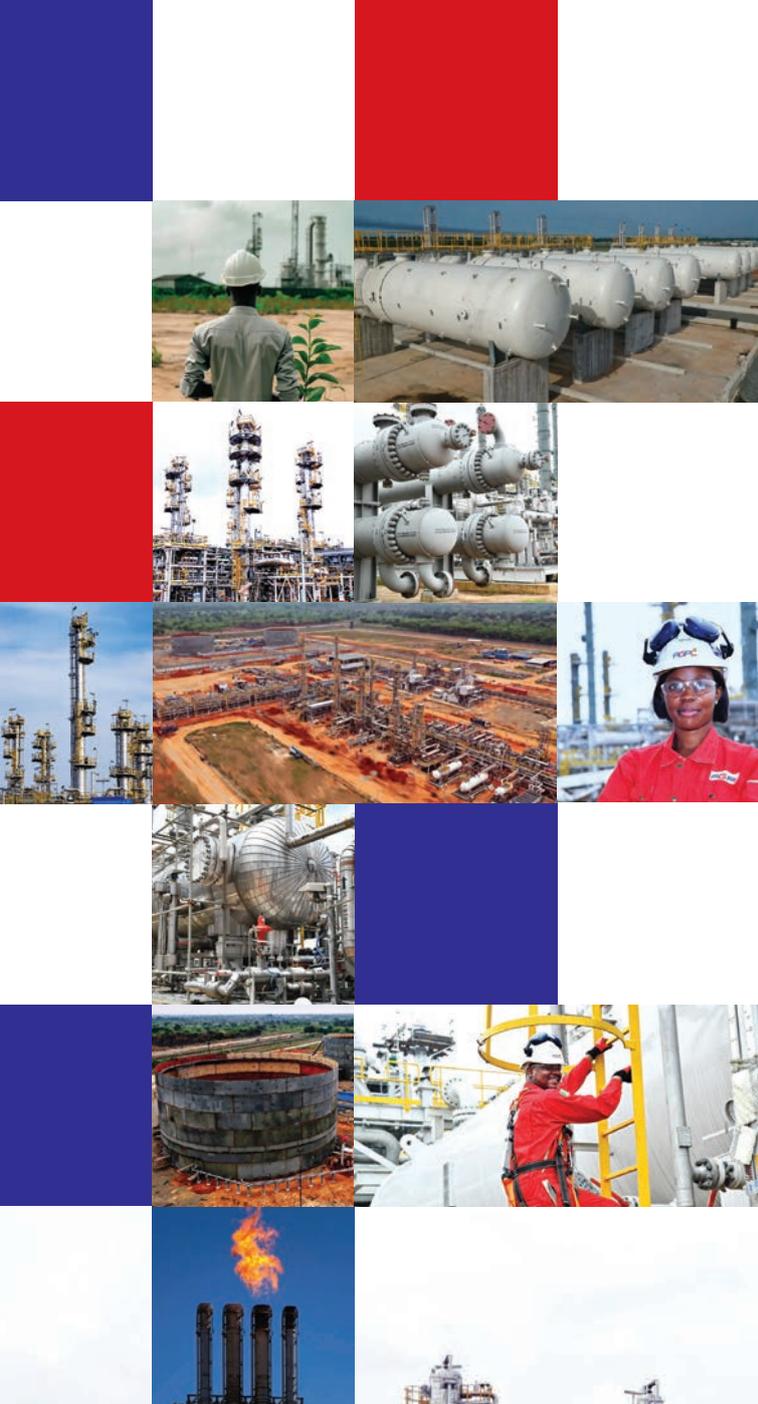
Beyond environmental benefits, AGPC has brought economic transformation to its host community. "This project has created jobs, improved local infrastructure, and significantly enhanced economic activity in the region," Okon says. AGPC has also built a 15-kilometer road network, facilitating better access for farmers. "The socioeconomic benefit of the investment in the host and impacted communities over the next 15 to 30 years is transformational as we lift people out of poverty," he concludes.

AGPC has only just begun. "This is our first investment, but we see a lot of room to grow," Okon adds. "Production may be increased from 300 MMscfd to one billion cubic feet per day as we pursue growth and expansion opportunities, helping Nigeria reach its 2030 target of unlocking an extra 3 Bcf/d. It is anticipated that this development would draw significant foreign direct investment and produce US\$7-10 billion gross in revenue."

AGPC is poised to be a cornerstone of Nigeria's energy future. With its strong partnerships, government support, and commitment to sustainability, the company is well-positioned to drive the country's transition toward a gas-powered economy. "This is the right time to invest in Nigeria's gas sector. In five to ten years, those who took early positions will be the industry leaders," Okon says.

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The Nigerian government's aggressive push to adopt CNG as a dominant fuel source is a cornerstone of its energy diversification strategy. Through the Presidential Compressed Natural Gas Initiative (Pi-CNG), the government has set an ambitious target of converting one million vehicles to CNG by 2027. It has also introduced fiscal incentives, including tax breaks, import duty waivers on CNG equipment, and access to low-interest loans for businesses and consumers. These policies provide a favorable environment for investors seeking to establish operations in the sector.

The rising cost of petroleum products in Nigeria, coupled with the affordability of CNG (₦200 per standard cubic meter compared to ₦1,000 per liter of petrol), further enhances the market's attractiveness.

Key Areas of Investment

Several sectors within the CNG ecosystem offer lucrative opportunities for investors:

- 1. CNG Refueling Stations:** With the government's commitment to expanding CNG-powered transportation, the need for refueling stations is urgent. Establishing a network of strategically located CNG stations across urban and rural areas ensures accessibility and reliability for consumers.
- 2. Vehicle Conversion Centers:** The increasing number of vehicles transitioning to CNG presents a growing demand for conversion facilities. Setting up centers with trained technicians and advanced technologies is a critical investment area.
- 3. Infrastructure Projects:** Large-scale infrastructure initiatives like the Ajaokuta-Kaduna-Kano (AKK) Gas Pipeline are essential for transporting natural gas efficiently. Private sector involvement in such projects can yield long-term returns while contributing to the energy sector's development.
- 4. CNG-Powered Technologies:** Beyond transportation, CNG has applications in industrial processes, power generation, and agriculture. Investments in technologies such as CNG-powered generators and equipment for manufacturing and agro-processing industries are poised to thrive as Nigeria's gas utilization increases.
- 5. Export Opportunities:** Nigeria's growing capacity to export natural gas to international markets positions it as a strategic player in the global energy landscape. Investors can explore partnerships to facilitate the export of CNG and liquefied natural gas (LNG) to regions like Europe and Asia.

Economic and Social Impact

Investments in CNG infrastructure and technologies not only generate financial returns but also create jobs, enhance energy security, and reduce the economic burden on Nigerian households. By reducing the nation's reliance on imported petroleum products, CNG adoption strengthens the local economy and curbs foreign exchange outflows.

Furthermore, the environmental benefits of CNG adoption contribute to global sustainability goals. As a cleaner-burning fuel, CNG reduces greenhouse gas emissions and helps Nigeria meet its commitments under the Paris Climate Agreement.

Comparative Advantage

When compared to other African nations, Nigeria's abundant natural gas reserves, combined with its growing domestic market and export potential, offer a distinct competitive edge. The government's emphasis on public-private partnerships ensures that investors can participate in a well-structured and transparent market.

The Time to Act Is Now

Nigeria's vision for its energy future is clear: to become a leader in Africa's clean energy transition. This vision is backed by strong political will, extensive natural resources, and a favorable investment climate. For investors, this is not merely an opportunity to generate returns but to play a pivotal role in shaping the future of one of Africa's largest economies.

With supportive policies, growing consumer demand, and untapped natural gas reserves, Nigeria's CNG sector represents a frontier of possibilities. The government's efforts to drive a gas-powered economy provide a solid foundation for private sector participation. By investing in this transformative journey, stakeholders can contribute to a cleaner, more sustainable energy landscape while enjoying substantial economic benefits.

RECENT HIGHLIGHT: MINI-LNG INVESTMENT TAKES OFF

In April 2025, the Presidential CNG Initiative (PCNGI) secured a US\$6 million investment for the Arete Mini-LNG project. This public-private partnership exemplifies Nigeria's proactive shift toward decentralized gas infrastructure. The project aims to bring cleaner energy to underserved areas, reduce transportation costs, and stimulate local job creation. It reinforces the government's commitment to a gas-powered economy and demonstrates the viability of small-scale LNG as part of the broader CNG strategy.

Nigeria's energy transformation is attracting significant interest from global and local investors. With 210 trillion cubic feet of natural gas reserves, 76% of which remain untapped, the country offers a unique opportunity for investment in compressed natural gas (CNG). As the government implements supportive policies and invests in critical infrastructure, the demand for CNG-powered systems and associated technologies is projected to rise exponentially. Investors willing to act now stand to benefit from Nigeria's ambitious transition to a gas-driven economy.

Pioneering Solutions in Oil & Gas Infrastructure and Operations

AJIVIN Group of Companies specializes in providing innovative and sustainable energy services and is now focused on expanding its operations to include the management of its own oil and gas assets.

AJIVIN Group of Companies was founded a decade ago by Dr Vincent Ajilo, current President and Group CEO. The group specializes in the extraction, production, transportation, storage, and marketing of oil and natural gas and offers services in Engineering, Procurement, Construction, Installation, and Commissioning (EPCIC), asset management, offshore solutions, inspections, maintenance, and technical consultancy. "AJIVIN has formed a joint venture with Belesa Sweet Oil Export Terminal to develop, operate, and manage a terminal with a two-million-barrel storage capacity," Dr Ajilo says, reflecting on the company's recent milestone. The firm is developing another offshore export terminal to support marginal field development companies, which are often hindered by limited access to storage and export facilities. The initiative aims to assist these companies in developing their assets and ensuring a smooth evacuation process.



DR VINCENT AJILO, PRESIDENT AND GROUP CEO OF AJIVIN GROUP OF COMPANIES

AJIVIN Group is currently addressing the challenge of crude oil evacuation by developing an alternative system that utilizes the blue economy. "We are providing an alternative crude evacuation system by designing a solution using vessels to access the production platforms," says Dr Ajilo. The company uses smart vessels, including shallow-draft vessels capable of navigating the rivers, particularly for assets located in the swamp areas of the Niger Delta. The solution has played a crucial role in sustaining crude oil production. "Today,

Nigeria's oil production has increased from 1.2 million barrels per day in 2022 to about 1.8 million barrels (including condensate) in 2024, with production losses in those assets now near zero," Dr Ajilo states.

In 2025, AJIVIN Group aims to establish itself as an asset operator in the oil and gas sector while further strengthening its strategic partnerships. "Our goal is to acquire our own oil field and shift from being a service provider to becoming a full operator in the oil and gas industry," Dr Ajilo says. During the recent bid rounds organized by the Nigerian government to offer licenses for the exploration and production of oil and gas, the company supported clients in securing assets. AJIVIN served as both technical and commercial managers and provided consultancy to several of the successful awardees.

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- Mobile Offshore Production Unit (MOPU)



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- Reservoir Engineering
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- Integrated EOR Solution
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- Geological & Reservoir Modelling
- Field Development Planning
- Strategic Field Production Optimization



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- Production Platforms & Flow Stations
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- Technical Consultancy

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- Technical Safety Audits
- Oil Spill Contingency Plan
- Waste Management and Tank Cleaning
- Oil Spill Trajectory Monitoring
- Environmental Studies
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Lessons from Global Success Stories

From tech giants to entrepreneurs, these are the people and companies who turned CNG into billion-dollar opportunities.



The compressed natural gas (CNG) revolution not only has worked to transform the energy landscape but has created unprecedented opportunities for wealth generation. Across the globe, companies, entrepreneurs, and investors have capitalized on the growing demand for cleaner energy solutions, turning their foresight into fortune. With its vast natural gas reserves, Nigeria is on the brink of a similar transformation. For savvy business leaders, the CNG sector represents a goldmine waiting to be tapped.

Reliance Industries: Dominating India's CNG Market

One of the most compelling success stories comes from India, where Mukesh Ambani's Reliance Industries recognized the potential of CNG early on. As India ramped up its adoption of natural gas for transportation, Reliance invested heavily in CNG distribution networks, vehicle conversion facilities, and fueling stations. These investments not only strengthened India's energy infrastructure but also generated billions of dollars in revenue for Reliance. The company's strategic partnership with state governments ensured rapid expansion, making it a market leader.

Ambani's foresight in scaling operations while maintaining cost efficiency turned Reliance into a powerhouse in India's energy transition. Today, the company's success serves as a blueprint for investors looking to capitalize on Nigeria's CNG revolution.

Gazprom: Leveraging Exports for Global Dominance

In Russia, state-owned energy giant Gazprom turned natural gas into a strategic resource, exporting CNG and liquefied natural gas (LNG) to Europe and Asia. By investing in advanced infrastructure, including pipelines and export terminals, Gazprom secured long-term contracts with major markets. The company's ability to scale operations allowed it to dominate the global natural gas trade, generating billions in annual revenue.

Nigeria, with its strategic geographic location and vast reserves, has the potential to emulate Gazprom's success. By focusing on export infrastructure, Nigerian companies can position themselves as major players in the global CNG market.

Latin America: Small Players, Big Gains

In countries like Argentina and Brazil, local entrepreneurs built thriving businesses around CNG. For instance, Argentina's "conversion boom" saw small-to-medium enterprises (SMEs) specializing in retrofitting petrol vehicles to run on CNG. These businesses, supported by government incentives, became highly profitable, catering to a growing market of cost-conscious consumers. Similarly, Brazil's push for CNG adoption led to the establishment of family-run refueling stations, many of which expanded into regional chains.

These examples demonstrate that wealth creation in the CNG sector isn't limited to large corporations. In Nigeria, SMEs have the opportunity to replicate these successes by focusing on vehicle conversions, refueling stations, and local distribution networks.

Opportunities in Nigeria: The Time to Act

With 210 trillion cubic feet of natural gas reserves, Nigeria is uniquely positioned to become a leader in the global CNG market. Key areas of opportunity include:

- **Infrastructure Development:** Establishing refueling stations and distribution networks to meet rising demand.
- **Export Capabilities:** Leveraging Nigeria's proximity to Europe and Asia to develop a competitive export market.
- **Vehicle Conversion Centers:** Capitalizing on the government's goal to convert one million vehicles to CNG by 2027.
- **Tech-Driven Solutions:** Innovating to address logistical challenges, such as mobile refueling units and digital payment systems.

Government-Backed Momentum: Real-Time Case Study

In a major boost to Nigeria's CNG momentum, April 2025 saw the Presidential CNG Initiative (PCNGI) secure a US\$6 million investment for the Arete Mini-LNG project. This public-private collaboration aims to decentralize energy access and create scalable infrastructure for clean fuel across the country. For entrepreneurs and SMEs, this marks a significant signal: the government is not only talking the talk but walking the walk. The project is expected to generate jobs, lower transportation costs, and serve as a replicable model for mobile and regional LNG solutions—key areas where agile startups can thrive.

Key Lessons for Nigerian Investors

1. **Timing is Crucial:** Early movers in the CNG sector stand to gain the most, as seen in India and Brazil.
2. **Collaboration with Government:** Partnering with the government can streamline operations and unlock incentives.
3. **Focus on Affordability:** Cost-effective solutions, such as cheaper conversion kits, can capture a larger market share.
4. **Think Long-Term:** Investments in infrastructure and technology may take time to mature but offer substantial returns.

The global CNG revolution has shown that this sector is not just about clean energy—it's about creating transformative wealth. Entrepreneurs and companies that identified opportunities early on have built billion-dollar enterprises, from India's Reliance Industries to Argentina's local conversion SMEs. For Nigeria, the window of opportunity is wide open. With the right strategies, Nigerian businesses and investors can turn the country's natural gas reserves into a source of immense prosperity. As the saying goes, "The future belongs to those who prepare for it today." The time to act is now.



**EMEKA OKPUZOR,
MANAGING DIRECTOR
OF PETROLI ENERGY**

Building Nigeria's Future on Vision, Grit and Gas

Petrol Energy is a fast-growing Nigerian energy company with operations in downstream trading, marine, and upstream oil and gas, and a bold vision to power Africa and beyond through innovation and sustainable infrastructure.



At 29, Emeka Okpuzor had already navigated multiple industries, continents, and expectations. He had attempted to build a tech-enabled finance business in Nigeria, well ahead of its time. He traded crude

oil, diesel, and jet fuel and spent years mastering the complexities of the global energy markets. "With the guidance of experienced mentors early on in my career, I gained a strong foundation in the industry. I then dedicated five years to learning everything I could about the energy market, driven by curiosity and a commitment to mastering the field," he says.

That commitment laid the groundwork for Petrol Energy in 2015, a company launched during a time of global oil market volatility and economic downturn in Nigeria. While many companies paused or scaled back, Okpuzor saw opportunities and adapted. "The early years were challenging, but by 2020, an opportunity to trade more quantities of petroleum products emerged, and we seized it. That moment marked the beginning of our real momentum," he recalls.

Within eighteen months, Petrol had become one of the largest diesel importers into Port Harcourt, providing support to the operations of international oil companies in the upstream sector. The company expanded into gasoline, secured a terminal in Lagos, and supplied the Nigerian National Petroleum Company, which contributed to the easing of scarcity in the country.

Over the past five years, Petrol has experienced exponential growth, scaling revenues and profits dramatically. This financial trajectory reflects not only commercial excellence but also a disciplined approach to risk, strategy, and execution in one of the world's most dynamic energy markets.

Okpuzor then turned his focus upstream. "Following a highly transparent and competitive bidding round last year, we secured a strategically significant oil and gas-rich asset. The asset is expected to reach a production rate of 10,000 barrels of oil per day by year-end, with a potential to triple output within two years," Okpuzor says.

Today, Petrol is poised to become a fully integrated energy company with active operations across the entire oil and gas value chain, positioned to commence drilling soon. The company recently signed agreements with drilling partners and expects delivery of its first rig by August 2025.

"Nigeria has the potential to power Africa and even Europe through its vast gas reserves."

Okpuzor's vision extends far beyond extraction and infrastructure. He sees Nigeria not merely as a crude supplier but as a solutions provider and a regional energy powerhouse. "Nigeria has the potential to power Africa and even Europe through its vast gas reserves," he says. By 2027, Petrol Energy plans to supply between 300 to 400 million cubic feet of gas to Nigeria's domestic market. Achieving that goal will require significant infrastructural investment and patient capital.

Petrol recognizes the need for sustainable energy. Though still in its exploratory stages, the firm is actively assessing renewable energy solutions for regions with limited access to electricity. The company's approach to sustainability is holistic, spanning research and development, production, distribution, and export. Marine infrastructure, Okpuzor insists, is central to it all. "We manage two ships, tankers," he says. "And we want to build

our own ships in Nigeria and build our whole infrastructure end-to-end."

To realize that vision, Petrol aims to repatriate Nigeria's brightest minds. Okpuzor is confident that, with the right support, Nigeria can innovate and compete on the global stage. "No matter where in the world," he says, "there's always a Nigerian somewhere doing something great." His optimism is measured.

He acknowledges the improvements in Nigeria's business environment, such as a more stable currency, fewer regulatory barriers, and a government that is increasingly supportive of private enterprise. "You go to lenders now, and they are happy to support transactions," he says. "You don't have bureaucratic restrictions anymore."

Okpuzor believes that with a large and youthful population, an expanding middle class, vast untapped resources, and a national appetite for innovation, Nigeria has a stable foundation in place for investment. As for legacy, Okpuzor is unequivocal. "I'm more of a people person," he says. "I'm more about people excelling, leaving a legacy for others, because I'm a product of that."

Petrol is shaping Nigeria's energy landscape through a blend of commercial growth and national development. With a focus on innovation, job creation, and sustainability, it is driving progress and building a more resilient, self-sufficient future for the sector.

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Petrol Energy Limited





**ROGER BROWN,
CEO OF SEPLAT ENERGY**

Redefining Nigeria's Energy Destiny

From landmark acquisitions to digital innovation and ESG leadership, Seplat Energy is transforming Nigeria's energy landscape and setting new standards for Africa's indigenous operators.

Following its landmark acquisition of Mobil Producing Nigeria Unlimited (MPNU) assets, Seplat Energy is poised to redefine Nigeria's gas future through a blend of integration, innovation, and an unwavering commitment to inclusive national development.

"We are absolutely delighted to have completed the MPNU acquisition. It's a true game-changer for Seplat Energy. The scale of this transaction is simply monumental," says Roger Brown, CEO of Seplat Energy. "We're now active in 11 blocks, eight of which we operate directly."

The acquisition not only doubled Seplat's reserves but also significantly expanded its footprint and diversified its portfolio across upstream and midstream sectors. "We have seven onshore blocks and four shallow-water offshore blocks. With this acquisition, we formed Seplat Energy Producing Nigeria Unlimited (SEPNU) and now manage operations that connect seamlessly into three terminals—one offshore and two onshore," Brown elaborates.

He adds, "This gives us a fully integrated value chain—from the wellhead all the way to export via vessel—with Seplat in full control of operations. Our production has materially increased. We've moved from around 50,000 barrels per day to over 120,000 barrels per day. We're proud to say that our workforce now includes around 1,500 professionals—the vast majority of whom are Nigerians."

Brown emphasizes that the gas resource in Seplat's offshore blocks is extraordinary. "While not all of it is currently classified as proven reserves, we estimate the actual volumes are three times what we're currently reporting. This gas will be instrumental. It will feed into domestic power generation, industrial uses such as fertilizer and petrochemicals, and LNG—both Nigerian LNG and new floating LNG initiatives."

He adds, "This is a major opportunity for Nigeria as we move into a new phase of energy autonomy. It's not just about exporting oil and gas anymore; it's about building domestic capacity that supports job creation, industrialization, and long-term economic resilience."

Seplat's strategy remains focused on meeting Nigeria's specific energy needs. "You must tailor your energy strategy to where



"We are living proof of what's possible when you lead with belief, strategy, and integrity."

you operate. Nigeria has one of the lowest levels of energy access globally. Affordable, reliable energy is essential for economic development, job creation, manufacturing, education, and healthcare," says Brown. "Gas is the answer for Nigeria's base load electricity. It's available 24/7, 365 days a year."

He continues, "By the end of this year, we'll have three operational gas processing plants onshore. Strategically, these are located to serve high-demand areas such as Lagos and Abuja. Together with our offshore acquisition, we'll soon be capable of processing one billion cubic feet of gas per day. This expanded gas capacity will lower electricity costs and displace expensive and polluting diesel generators."

While gas remains foundational, Seplat is already thinking ahead. "We do have ambitions in renewables and electricity generation," Brown notes. "But for now, the biggest opportunities—and the greatest needs—lie in upstream oil and gas and midstream gas processing. At some point, when the time is right, we will take further steps into the electricity space."

The company's long-term roadmap includes expanding modular solutions that can bring power closer to off-grid communities. "We're exploring modular gas-to-power systems that can be deployed in rural areas. These will play a key role in solving last-mile electricity access problems," he says.

Technology is central to Seplat's strategy—both for operational excellence and for reducing environmental impact. "We're aggressively moving to end routine flaring—some years ahead of Nigeria's national target of 2030," Brown states. "We've committed to ending flaring in our onshore operations this year, and we're working on a roadmap for our offshore assets."

"We're deploying AI to monitor the integrity of aging infrastructure. Predictive maintenance now guides our operations. We're also using better drilling technologies, data analytics for seismic analysis, and digital twins for real-time monitoring. Our technology team is continuously scouting and deploying tools that improve efficiency and reduce our carbon footprint."

The adoption of these tools, he says, is part of building a smarter, safer, and more future-resilient Seplat. "This is about creating a



Seplat Energy's Graduate Trainee program recruits, pictured here, are part of the company's efforts to train and prepare local talent for national development.

culture of continuous innovation—about using the best available tools to optimize performance while keeping people and the environment safe.”

Seplat is also investing in people, recognizing that long-term sustainability starts with human capital. “We just onboarded 50 new graduates through our graduate trainee program—out of over 10,000 applicants,” Brown shares. “The talent in Nigeria is remarkable. We want to give them reasons to stay and thrive here.”

This investment in human capital extends into partnerships with educational institutions and STEAM (Science, Technology, Engineering, Arts & Mathematics) programs. “We’re working with universities to help shape curricula that are aligned with the skills we need in the energy industry,” Brown explains. “It’s not just about hiring—it’s about helping to develop the next generation of Nigerian engineers, geoscientists, economists and tech innovators, among others.”

Strong governance and a commitment to transparency underpin the company’s role in Nigeria’s transformation. “President Bola Tinubu has made clear that attracting foreign direct investment is a national priority. The process we went through with the MPNU acquisition was incredibly detailed and transparent. That’s the kind of diligence international investors expect.”

Brown notes the institutional progress being made. “Two of our board members are now part of NNPC’s board. These are top-tier professionals—a clear signal that Nigeria is serious about transforming the energy sector. You simply cannot ignore Nigeria—a population of over 200 million heading toward 400 million. By 2050, one in four people on the planet will be African. Nigeria will be central to that story.”

He stresses the global significance of what is happening now. “This is a pivotal moment for Nigeria and the region. The global energy transition will not look the same everywhere. For Africa, and for Nigeria specifically, gas is our bridge fuel. And companies like Seplat are showing that indigenous players can lead the way.”

Seplat also continues to deepen its impact through community investment and local partnerships. “Our approach is holistic—from scholarships and education support to healthcare outreach and economic empowerment,” he says. “Our procurement policies

“It’s not just about exporting oil and gas anymore; it’s about building domestic capacity that supports job creation, industrialization, and long-term economic resilience.”

prioritize indigenous businesses. We want value to stay in Nigeria, to strengthen the local economy and create jobs across the value chain.”

Through its healthcare outreach, Seplat has touched thousands of lives across rural communities with free medical services, maternal health programs, and awareness campaigns. These programs are often developed in consultation with local leaders to ensure relevance and impact. “We believe in being a responsible neighbor and a reliable partner. Our goal is to support long-term development that lasts beyond the life of our projects.”

Environmental stewardship is another cornerstone of Seplat’s ESG commitment. Brown notes, “We’re investing not only in flare reduction but also in biodiversity initiatives and conservation programs in the Niger Delta. We understand our responsibility goes far beyond profitability.”

He adds, “We’re even exploring the use of renewable energy to power our own operations—a small but symbolic step toward a diversified energy future. Gas is our foundation, but we’re preparing for what comes next.”

Finally, Seplat’s adherence to global standards ensures its long-term sustainability and investor

confidence. “We are dual-listed in Lagos and London. We operate to global standards and have robust governance systems. That’s what gives investors confidence,” Brown says.

“We’ve seen real reforms. We’ve seen transparency. We’ve seen changes in leadership, especially at NNPC, that show Nigeria is serious,” he concludes. “Nigeria is open for business, and Seplat is living proof of what’s possible when you lead with belief, strategy, and integrity.”

With bold leadership, a clear vision, and deep national roots, Seplat Energy is not just keeping pace with Nigeria’s Decade of Gas—it’s leading the way.

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Engineering Excellence, Evolving Energy

SPIE is providing energy solutions while prioritizing workforce development.

SPIE Global Services Energy has firmly established itself as a key player in Nigeria's energy sector. Under the leadership of Guillaume Niarfeix, Managing Director for SPIE West Africa, the company has expanded its footprint while maintaining a strong commitment to safety, excellence, and sustainability.

With 25 years of experience in the energy industry—20 of them spent in Nigeria—Niarfeix has played a significant role in major projects such as AGPO, USAN, and EGINA during his tenure at TotalEnergies. Since joining SPIE nearly five years ago, he has overseen the company's transformation from SPIE Oil & Gas Services to SPIE Global Services Energy, a rebranding that reflects its diversification into renewables. "We are not leaving oil and gas," Niarfeix says, "but we are expanding into new areas while maintaining our expertise in traditional energy."

SPIE's operations in Nigeria have grown exponentially in the past four years, and Niarfeix remains confident in continued expansion. The company's impact is substantial, with 25% of Nigeria's oil and gas output linked to SPIE's operations. Safety remains a top priority, as evidenced by an impressive record of 21 million+ man-hours over 17 years without a lost time injury. "Safety is not just a leadership principle; it is our culture," Niarfeix states.



**GUILAUME NIARFEIX,
MANAGING
DIRECTOR
FOR SPIE
WEST AFRICA**

Investing in local talent is a key pillar of SPIE's strategy. The company built Nigeria's only OPITO Level 2-certified training center in Port Harcourt, which serves as a hub for skills development in the region. With 96% of its workforce being Nigerian, SPIE also exports talent to Senegal, Ghana, Angola, and even Denmark. "We train our people to the highest standards, not just for SPIE, but to elevate the industry as a whole," Niarfeix says. He emphasizes that training is not just a corporate social responsibility initiative but a strategic advantage. The company enforces a 50% gender diversity rule in its free training programs, despite initial resistance. "We stood firm, and now it's working well," he adds.

Looking ahead, SPIE aims to increase its share of renewable energy projects to 25%. The company is developing solar energy solutions and localized power grids to address Nigeria's energy distribution challenges.

"The issue is not generating electricity, but distributing it efficiently," Niarfeix says. SPIE plans to design, install, and commission solar projects locally, further strengthening Nigeria's energy infrastructure.

With a strong focus on gas development and renewables, SPIE Global Services Energy is positioned to play a crucial role in shaping Nigeria's energy future.



SHARING A VISION FOR THE FUTURE

SPIE is a service company that designs, builds, operates and maintains assets of its customers. We are able to achieve this thanks to our highly skilled Nigerian personnel, leveraging on our strength in diversity whilst ensuring that we strive to be leaders in the ever-evolving landscape of energy transition.

SPIE OGS becomes SPIE Global Services Energy

The name change is the result of several years of strategic thinking, investment and major contracts won in the offshore wind and solar sectors.

This change of name is the logical consequence of a long-term strategy:

- **SPIE Global Services Energy** has been strongly committed to the energy transition for over 10 years.
- **SPIE Global Services Energy** helps its customers diversify their energy mix.
- **SPIE Nigeria** is a leader in renewable energy within the West African region with several major projects executed.



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A New Chapter in Energy Collaboration

As Nigeria and India agree to long-term contracts for crude oil and LNG supply, they're also embarking on technical collaborations in pipeline security, CNG conversion, and LPG bottling distribution, marking a significant step in their energy partnership.



India's strategic shift toward Compressed Natural Gas (CNG) epitomizes its commitment to a sustainable energy future. In November 2024, Prime Minister Narendra Modi's visit to Nigeria marked a pivotal moment in this journey, as he and President Bola Ahmed Tinubu pledged to deepen bilateral cooperation in the energy sector. Their discussions encompassed long-term contracts for crude oil and Liquefied Natural Gas (LNG) supplies, as well as technical collaborations in pipeline security, CNG conversion, and LPG bottling distribution.

Historically, India's heavy reliance on imported crude oil has exposed the nation to energy security risks and economic vulnerabilities due to volatile global oil prices. To mitigate these challenges, the Indian government has strategically shifted toward a gas-based economy, recognizing natural gas as a cleaner and more sustainable alternative. This transition aims to diversify India's energy mix and significantly reduce its carbon footprint.

A cornerstone of this strategy is the widespread adoption of CNG in the transportation sector, particularly for public and commercial vehicles. CNG offers an immediate and cost-effective solution to reduce vehicular emissions, addressing the pressing issue of urban air pollution. Compared to traditional fuels, CNG substantially lowers emissions of nitrogen oxides, particulate matter, and greenhouse gases. Serving as a "bridge technology," it facilitates a gradual transition from conventional fossil fuels to fully renewable energy sources in mobility.

India's transition to CNG hinges on developing robust infrastructure. The government is expanding the national gas grid to connect remote areas, ensuring equitable access to natural gas. Increasing the number of Liquefied Natural Gas (LNG) terminals has boosted import capacity, while City Gas Distribution networks facilitate the delivery of CNG and piped natural gas (PNG) in urban and semi-urban regions. Efforts to strengthen LPG bottling plants and transmission lines are also underway to ensure seamless delivery nationwide.

The collaboration between India and Nigeria underscores the importance of international partnerships in achieving energy security and sustainability. India's readiness to enter into long-term government-to-government contracts for crude oil and LNG supply from Nigeria, coupled with its offer of technical expertise in pipeline security, CNG conversion, and LPG network creation, exemplifies a symbiotic relationship. India secures a reliable energy supply, while Nigeria benefits from technical know-how and investment, highlighting the mutual advantages of such alliances.

India's CNG transition offers valuable insights for countries navigating similar energy challenges. Aligning energy policies with long-term sustainability goals, supported by government

interventions such as subsidies, tax incentives, and public awareness campaigns, has been instrumental. Collaborative efforts between government agencies and private enterprises have accelerated infrastructure development and technology adoption. Innovations in CNG technology, combined with India's emphasis on research and development, have paved the way for scalable solutions. The partnership with Nigeria highlights the significance of international cooperation in achieving energy security and sustainability.

"Nearly 1,500 new CNG stations have been set up in the last six years. Now, the government is working toward a target of expanding the number of CNG stations across the country to 10,000."
Narendra Modi,
Prime Minister of India

Expanding gas infrastructure requires significant investment and regulatory support. India aims to increase the share of natural gas in its energy mix from the current 6% to 15% by 2030, a target that will demand continuous innovation, policy commitment, and international cooperation.

India's transition to CNG exemplifies a pragmatic approach to addressing energy security and environmental sustainability. By adopting natural gas as a cleaner alternative, the country sets a benchmark for emerging economies and underscores the importance of global partnerships in fostering a sustainable energy future. The recent collaboration with Nigeria adds a new dimension to this effort, offering a model for nations aiming to align economic growth with ecological responsibility.

In a significant move to promote cleaner energy and reduce transportation costs, President Tinubu announced, "We believe that this CNG initiative will reduce transportation costs by approximately 60% and help to curb inflation." Similarly, Prime Minister Narendra Modi articulated a vision for expanding CNG infrastructure in India, noting, "Nearly 1500 new CNG stations have been set up in the last six years. Now, the government is working toward a target of expanding the number of CNG stations across the country to 10,000." These statements highlight both nations' commitment to adopting CNG to enhance energy security, reduce emissions, and provide cost-effective energy solutions for their citizens.

Transforming Energy Futures with Compressed Natural Gas Innovations

Harnessing abundant natural gas reserves, Nigeria advances Compressed Natural Gas adoption by supporting vehicle conversions, infrastructure expansion, and public awareness for clean, affordable energy solutions.



With its vast natural gas reserves and enormous potential for the use of compressed natural gas (CNG), Nigeria is leading Africa's shift to more sustainable energy alternatives. With this move, Nigeria joins nations like Egypt, Morocco, South Africa, Kenya, and Tanzania as pioneers in

promoting the growth of CNG, which is in line with the worldwide trend towards cleaner, more efficient energy sources.

Nigeria is uniquely positioned to spearhead the continent's switch to CNG since it has one of Africa's largest natural gas deposits. Nigeria may drastically lessen its reliance on conventional fossil fuels like gasoline and diesel by using its abundant natural resources. Switching to CNG is both ecologically and financially advantageous because these traditional fuels are not only more polluting but also more volatile.

There are several benefits to using CNG as an energy source. When compared to traditional fuels, CNG emits fewer greenhouse gases, improving air quality and creating a healthier living space. Economically speaking, lowering dependency on foreign fuels improves Nigeria's energy security, generates employment possibilities in a number of industries, and draws significant investments in CNG infrastructure. Furthermore, including CNG in the country's energy mix supports Nigeria's dedication to international environmental objectives and guarantees its citizens access to reasonably priced and dependable energy. This comprehensive strategy demonstrates how CNG has the ability to propel Nigeria's energy revolution and sustainable development.

Through several calculated actions meant to support its shift to greener energy, Nigeria has already set the stage for the broad adoption of CNG. The promotion of vehicle conversion projects by both public and private organizations is one noteworthy



endeavor. These programs enable customers to take advantage of more affordable fueling alternatives while actively supporting environmental sustainability by making it easier for cars to switch from gasoline to CNG. This method shows how cost-effective and useful CNG is for daily use.

Campaigns to raise public awareness have also been crucial in promoting the use of CNG. For this fuel to be widely accepted, it is essential to educate the public about its benefits to the economy and environment. In addition to increasing awareness, these initiatives are motivating a sense of shared accountability for cutting emissions and adopting sustainable practices. By showing that it is feasible to address climate change and promote economic growth at the same time, these initiatives collectively establish Nigeria as a leader among developing countries.

Africa as a whole is increasingly embracing CNG as a viable alternative to traditional fuels. Countries like Tanzania have made significant strides by establishing their first CNG filling stations and investing in vehicle conversions. Egypt and Morocco, leveraging their existing infrastructure, are scaling CNG adoption to improve energy security and reduce emissions.

For Nigeria, being part of this larger movement presents opportunities to collaborate with regional partners. Joint ventures, technology exchanges, and shared infrastructure investments could further accelerate the CNG transformation across the continent.

As Nigeria advances its CNG agenda, the country also recognizes the importance of strengthening its energy infrastructure. Reliable energy transmission systems are vital to integrating CNG and other renewable sources into the broader energy grid. Collaboration with international partners and investments in advanced technology will ensure Nigeria's energy infrastructure can support its growing energy mix.

It is essential to include stakeholders at all levels, including communities, the corporate sector, and the government. Nigeria can maintain its position as a pioneer in Africa's CNG revolution by encouraging private investment and creating a conducive governmental environment.

Nigeria's initiatives to embrace CNG as a sustainable energy source demonstrate its dedication to both economic development and environmental management. Nigeria is not only meeting its energy demands but also establishing a standard for other African countries by using its natural gas deposits and enacting progressive policies. A bright future for a cleaner, greener, and wealthier Africa is indicated by the ongoing initiatives and the larger regional shift towards CNG.



EMEKA ENE,
CEO OF OIDA GROUP

Modular Innovation Sparks a Rapid Energy Turnaround in Africa

OIDA Group develops fast-deployment modular gas hubs and recovery technologies, monetizing flare sites and boosting local expertise to strengthen Nigeria’s energy infrastructure and exports.



IDA Group, under the leadership of CEO Emeka Ene, has established itself as a leader in gas processing and energy solutions not only in Nigeria but also across Ghana, India, and even Yemen before the

onset of conflict. With a firm belief in gas as Nigeria’s most strategic energy asset, the company has built its foundation on tackling flared gas and unlocking energy value across Africa.

“We’re pioneers,” Ene says. “We’ve worked in marginal and brownfields, created flared gas solutions in the Niger Delta, and expanded into gas processing with modular approaches that deliver results fast.” For OIDA Group, speed is both an advantage and a necessity. Ene emphasizes, “Traditional gas projects can take up to 36 months. Our modular technologies can be deployed in as little as three to six months. In some cases, even two weeks.”

Central to the company’s vision is turning waste into wealth. Ene highlights that there are nearly 140 flare sites across Nigeria, each capable of powering large communities. “Where gas goes, light goes, development goes, and infrastructure goes,” he says. OIDA Group’s approach transforms these flare sites into gas hubs, monetizing associated gas and driving industrial growth.

In support of Nigeria’s national energy strategy, OIDA aligns itself with the government’s goal of using gas as a transition fuel toward achieving climate targets by 2060. Ene calls this “a balancing act” between development and sustainability. “Gas is vital to Nigeria’s energy mix. It’s not only cleaner than other fossil fuels, it’s also critical to our manufacturing and infrastructure ambitions.”

But Ene’s ambition goes beyond technology. His deep involvement in the sector is reflected in his former roles as chairman of the Petroleum Technology Association of Nigeria and the Society of Petroleum Engineers in Nigeria. “It’s not just about energy,” he says. “It’s about building the ecosystem—capability, local expertise, and resilience.”

OIDA’s commitment to local content is deliberate and strategic. Ene stresses that “local content doesn’t mean poor quality or higher cost. It means building expertise within Nigeria that adds value to the entire economy.” The company’s investment in local skills has



“Our model is about readiness. If you’re flaring today, we can have a gas solution running in three months or less.”

paid dividends, allowing Nigerian professionals to export their services internationally. “We’re seeing Nigerian firms deliver at the highest level, even in Saudi Arabia,” he says.

The company also innovates in oil recovery technologies. “In Nigeria, only about 30% of the oil in a reservoir is typically recovered,” Ene says. “We’ve developed solutions to double that recovery without drilling new wells. That’s increased efficiency and reduced cost—all from the same well.”

A key part of OIDA’s success lies in its community approach. Ene explains, “We don’t treat communities like obstacles. We engage them from day one through a transparent partnership model.” One example is a community trust fund established during a marginal field development project over a decade ago. “That community hasn’t had a single shutdown in 15 years. They’re part of the process, part of the success.”

Looking forward, OIDA Group is expanding its footprint across sub-Saharan Africa. “There’s a massive energy gap,” Ene says. “We’re riding that wave by deploying fast, flexible solutions wherever they’re needed.”

When it comes to international investment in Nigeria, Ene is pragmatic yet optimistic. “Nigeria has the potential to be a top-five global economy by 2050. We have the people, the resources, and the market.” For investors, he offers straightforward advice: “Investment is a relationship, not a transaction. Long-

term partnerships and patience are key. If you’re willing to work through the challenges, the opportunities here are unmatched.”

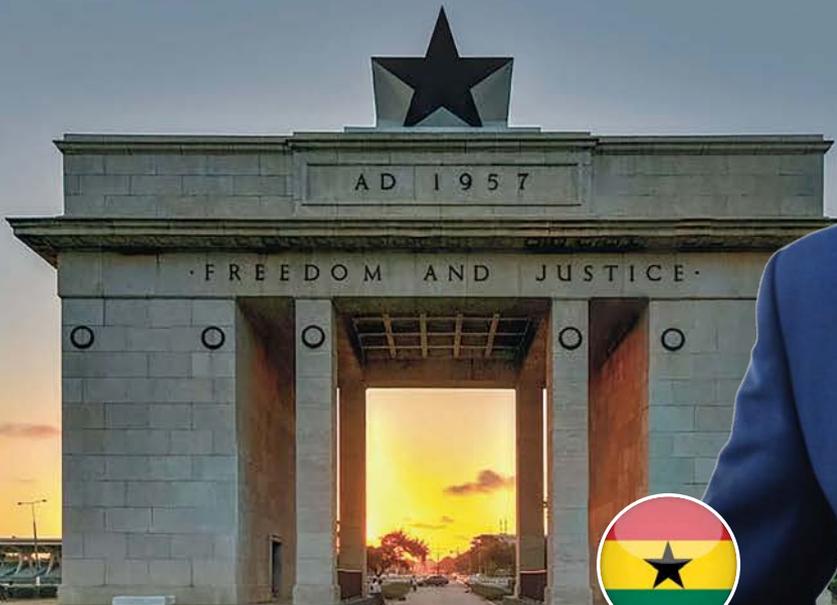
Ene’s vision for OIDA Group and Nigeria is one of strategic impact. “Energy drives development. The more energy we provide, the more poverty we reduce. That’s the core of our mission.” With innovation, speed, and a deeply rooted commitment to Nigeria’s growth, OIDA Group is helping shape a future where energy is both sustainable and inclusive.

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FOLA AKINNOLA,
CEO OF
FEMADEC GROUP

Pioneering Nigeria's CNG Revolution in Energy and Transport

Femadec Group drives CNG adoption in Nigeria, focusing on production, supporting government initiatives, and creating investment opportunities through strategic partnerships and infrastructure development.



In the vibrant streets of Lagos, Femadec Group's fleet of buses, all fueled by compressed natural gas (CNG), is a powerful reflection of the company's dedication to innovation and environmental sustainability. "When the federal government of Nigeria, under President Muhammadu Buhari,

launched the "Decade of Gas" initiative in December 2020, it was Femadec that converted the five buses showcased that day as part of the program," recalls Fola Akinnola, CEO of Femadec Group.

When President Tinubu announced the end of fuel subsidies in 2023, it was a turning point for Femadec Energy. His focus directly aligned with what the company had already been doing, as the firm foresaw significant opportunities in the CNG value chain. "If China and India can adopt CNG, massively without them having natural gas, why can't we do the same?" asks Akinnola.

"We have acquired land in Ondo State to build our own Mother station, LNG station, and cylinder manufacturing plant. CNG is cheaper, cleaner, and more environmentally friendly than other petroleum products." The firm aims to support the President's goal of having 70 to 80% of commercial vehicles in the country transition to CNG, by partnering with PCNGI and to convert several commercial vehicles at their workshop in Lagos.

The Femadec Group is composed of five core subsidiaries spanning logistics and transport, energy, manufacturing, engineering and construction, and trading. Femadec Energy, the firm's energy division, is at the forefront of oil and gas ventures, while its manufacturing arm, specializing in assembly, is currently producing prepaid meters at its Lagos facility. "We are looking at starting our solar assembly under Femadec Manufacturing," says Akinnola. "We have also recently established our Logistics Services division under Femadec Express, which handles the movement of containers, including transport from the port to any location across the country, facilitating the transport of equipment. All our services are powered by our CNG-fueled equipment."

Femadec Energy's current priority is to either secure a strategic partner for the development of a CNG plant or pursue financing through a loan. "We have an agreement with the Midstream and Downstream Gas Infrastructure Fund (MDGIF), which covers 100 CNG buses, 200 tricycles, and 24,000 vehicles. All of these require CNG, recognizing the CNG Mother station as a crucial program.

The government is now supporting it to ensure the 20 federal universities can fully have access to CNG," Akinnola says. The firm plans to introduce a gas curriculum in universities, where students



"We have acquired land to build our own Mother station, LNG station, and a cylinder manufacturing plant."

will learn about CNG, LPG, and LNG, with hands-on conversion experience at the conversion workshops in the institutions, particularly for engineering students.

The CEO believes the energy sector is a prime investment opportunity because it remains largely untapped. "Nigeria has fewer than 5,000 refueling stations, many of which need to be modified with CNG infrastructure to dispense CNG. With over three million vehicles on Nigerian roads, converting just half to CNG would require a million cylinders and numerous refueling stations," he says, explaining that investors are craving increasing CNG production, as long queues at refueling stations are the result of insufficient supply. Femadec, as a major off-taker, assures investors that their CNG products will have a reliable market.

Responding to the growing need for a cylinder testing factory, the firm also plans to set up the essential infrastructure, offering another valuable investment opportunity.

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www.femadecgroup.com



Unlocking Potential, Driving Africa's Energy Future

Nigeria's oil and gas sector is entering a transformative era, driven by strategic reforms, clearer policies, and a deepening commitment to local content development. Across oil, gas, and renewables, new opportunities are emerging through abundant resources, improved fiscal frameworks, and growing private sector demand for energy solutions. Public and private sector leaders share with Penresa how Nigeria's dynamic gas reserves, evolving renewable sector, investment in manufacturing, and strengthened government collaboration are positioning the country as a strategic and high-potential destination for long-term energy investment and sustainable growth.



Dr Kayode Thomas
CEO of Bell Oil & Gas

"Despite past challenges, Nigeria's oil and gas industry is entering a transformative era. With improved security, clearer local content policies, faster transaction cycles, and renewed commitments from international oil companies, the environment is ripe for investment. Strategic partnerships with

credible local players and bold executive reforms signal that Nigeria is serious about growth. The risks exist—but so do unprecedented opportunities. Now is the time."



Kola Adesina MFR
Group Managing Director of Sahara Group

"Nigeria's energy sector is entering a new era of stability and transparency. Recent reforms, such as fuel subsidy removal and exchange rate liberalization, have curbed leakages, reduced inflation, and enhanced predictability. With a rapidly growing population and surging energy demand, the opportunity to invest in

oil, gas, and infrastructure has never been more compelling. The fundamentals are strong, the market is expanding, and forward-looking investors can play a key role in powering Nigeria's future."



Engr. Tomiwa Bayo-Ojo
Managing Director of Volsus Energy

"There is significant demand for renewable energy, electric vehicles, and technology products in Nigeria, particularly within the private sector. The government is open to foreign investments, with companies willing to commit substantial amounts, including up to US\$100 million in lithium

processing. Nigeria's energy sector is evolving rapidly, creating opportunities for local manufacturing and addressing persistent power supply challenges faced by businesses and communities. The greatest opportunity, especially in solar energy, lies within the private sector, where many commercial activities could perform significantly better with uninterrupted power. Hundreds of millions of dollars are flowing into the sector; however, financing—whether short-term, long-term, or bridge financing—remains the main barrier to unlocking full potential. We have already begun assembling solar equipment locally, and expanding local manufacturing will significantly reduce costs and make renewable energy more accessible. One of our key long-term visions is to establish lithium battery manufacturing within Nigeria."



Chuks Otor
President and CEO of Joliva Oil & Gas

"Nigeria is rich in natural resources and is working toward energy security, providing opportunities across various sectors. The government emphasizes diversifying the economy beyond oil and gas, creating a favorable environment for investment in multiple industries. Expansion is always a

good thing. Diversity is always a good thing; it will help foster economic prosperity. Technology is key. We must adapt quickly to new technologies and develop homegrown solutions to power the future of the sector. Sustainability and ESG practices are no longer optional—companies that embrace them will thrive in the Nigerian energy sector."

WHY INVEST IN NIGERIA'S ENERGY SECTOR



Prof. Joseph Chukwurah Ezigbo
Founder and Managing Director
of Falcon Corporation Limited

"Nigeria holds unmatched potential in the oil, gas, and broader energy sector. With a massive population, abundant resources, and a government committed to unlocking domestic value, the opportunity is undeniable. The time to invest is now—returns are strong,

the market is ready, and the need for energy development is urgent. Investors who act now will not only benefit financially but also help shape a more energy-secure, prosperous Africa."



Patricia Simon-Hart
Founder and Managing Director of AFTRAC

"Despite challenges, Nigeria offers significant investment opportunities, particularly in the gas and renewable energy sectors. There is a high demand for gas solutions and services, making it a lucrative area for investment. The entrepreneurial spirit and resilience of Nigerians, especially in the energy sector,

create a favorable environment for business growth and innovation. Nigeria still offers very strong returns on investment for businesses and investors. If you find a good partner who is honest and transparent, you can build a strong partnership together. We are expanding into gas and decarbonization solutions, aligning with Nigeria's energy transition agenda. We are actively exploring digital oilfield solutions and using AI for predictive modeling and asset management. Through our training arm, Talent Learning Solutions, we are building technical capacity to develop the next generation of Nigerian energy professionals. Opportunities in gas processing, power generation, and infrastructure development are immense, and investments in these areas are key to Nigeria's future. We must continue to be bold, innovative, and supportive while solving emerging challenges in the sector."



Folajimi Lai-Mohammed
Founder/CEO of Portland Gas Limited

"We need to utilize what we call the cleaner form of energy, which we see in different ways. It could be by way of alternative energies, such as solar compressed natural gas, or it could just be something from a different sort of wind technology. But I focus on an important gas today—uncompressed natural gas. Today,

Nigeria has three times the volume of gas than oil. Now, this same gas has been flared for years, but with the removal of the subsidy today, we are realizing that the gas that has been flared can be converted to usage. It's cleaner, it's safer, and when we talk about sustainability, we're talking about a reduction in greenhouse gas emissions. We need to look at the 2030 goals of sustainability. How do we begin to reduce the consumption of greenhouse gas emissions? How can we be sustainable? How can we build an environmentally friendly environment? In today's climate, we know that flaring is not allowed, but now the idea is for us to convert this so-called flared gas to utilization. Nigeria has never been as serious as it is now with the usage of gas than in this administration."



Dr David O. Ige
CEO of GasInvest

"The Nigerian government is actively promoting gas as a primary energy source, with fiscal interventions aimed at unlocking the sector's potential. Nigeria has abundant and rich natural gas reserves, offering significant opportunities in gas processing, treatment, and LNG production.

Geographically, Nigeria is well-positioned to access both European and Asian markets, making it a viable alternative energy source. There is a huge opportunity in gas; our gas is very rich in natural gas liquids—enough to rival some oil-producing nations. We see standalone opportunities in gas processing and the extraction of condensates and LPG. Our Riverside LNG project is scaling up to supply Germany and other European markets, helping diversify their energy sources while positioning Nigeria as a key global player. Collaboration between the government and the private sector remains crucial. The government must continue opening frontier markets and promoting Nigeria as a leading gas hub internationally. Natural gas and renewables will complement each other. While renewables will grow, Nigeria's industrial sector will continue to rely heavily on gas."

The Road Ahead for Nigeria's CNG Revolution

Addressing key obstacles to CNG adoption ensures a smoother transition and maximizes the benefits for Nigeria's economy and citizens.

As Nigeria accelerates its transition to compressed natural gas (CNG), the benefits are undeniable: reduced energy costs, a cleaner environment, and a more resilient economy. However, achieving these goals comes with challenges. From infrastructural gaps to public perception issues, these barriers must be addressed to ensure the success of Nigeria's CNG revolution. The good news is that these obstacles can be transformed into opportunities for innovation and progress with strategic planning and collaborative efforts.

Infrastructure Deficiencies

One of the most significant challenges in Nigeria's CNG rollout is the lack of adequate infrastructure. The country currently has a limited number of CNG refueling stations, which restricts accessibility for consumers. Additionally, the pipeline network required to transport natural gas efficiently is underdeveloped. While projects like the Ajaokuta-Kaduna-Kano (AKK) Gas Pipeline are promising, more investments are needed to create a comprehensive infrastructure network.

Public Awareness and Acceptance

For many Nigerians, CNG is still a relatively new concept. Misconceptions about its safety, efficiency, and reliability persist, hindering widespread adoption. Public awareness campaigns, such as the government's "Switch to CNG" initiative, are vital in educating citizens about the economic and environmental advantages of CNG. Engaging with local communities and leveraging media channels can further boost acceptance and drive demand.

Financial Accessibility

The cost of converting vehicles to run on CNG is another barrier for many Nigerians. Although government programs like the Credit Access for Light and Mobility (CALM) Fund provide financial assistance, broader access to affordable financing is necessary. Partnerships with financial institutions and the introduction of low-interest loan schemes can help make CNG adoption more accessible to a larger segment of the population.

Policy and Regulatory Consistency

Investors and stakeholders need assurance that government policies supporting CNG adoption will remain consistent over the long term. Any changes or uncertainties in regulations could deter investment and slow progress. Clear, stable, and transparent policies are critical to building confidence among private sector players and encouraging their participation in Nigeria's CNG journey.

"Every challenge is an opportunity to innovate. Nigeria's CNG journey will inspire the world."
*Toyin Subair,
Special Assistant
on Special Duties
and Domestic
Affairs.*

Technological and Logistical Challenges

CNG adoption also faces technical and logistical hurdles, including the availability of high-quality conversion kits and trained technicians. Developing local capacity through training programs and encouraging technology transfer from international partners can address these gaps. Additionally, ensuring a reliable supply chain for CNG distribution is essential to maintain consumer trust and satisfaction.

Environmental and Social Considerations

While CNG is a cleaner-burning fuel, its adoption must align with broader environmental and social goals. Ensuring that CNG infrastructure development does not disrupt local communities or ecosystems is crucial. The government must also balance the transition to CNG with ongoing efforts to eliminate gas flaring and promote renewable energy sources.

Opportunities for Innovation

Despite these challenges, Nigeria's CNG transition presents numerous opportunities for innovation. For instance, the development of mobile refueling units can address the lack of fixed stations in remote areas.

Advances in conversion technology can reduce costs and improve efficiency, making CNG more appealing to consumers. Additionally, digital platforms can streamline processes like vehicle registration and fuel payment, enhancing the overall user experience.

Collaboration is Key

Addressing these challenges requires a collaborative approach involving the government, private sector, and international partners. Public-private partnerships can mobilize the resources needed to build infrastructure, while knowledge-sharing initiatives with countries like India and Brazil can provide valuable insights. Community engagement and stakeholder consultations will also ensure that the transition to CNG is inclusive and equitable.

Every challenge in Nigeria's CNG journey is an opportunity to innovate and grow. By tackling infrastructure deficits, raising public awareness, ensuring financial accessibility, and fostering policy consistency, Nigeria can overcome these barriers and unlock the full potential of its natural gas reserves. "Every challenge is an opportunity to innovate. Nigeria's CNG journey will inspire the world," says Toyin Subair, Special Assistant on Special Duties and Domestic Affairs. With the right strategies and partnerships, Nigeria is poised to become a global leader in clean energy and set a benchmark for other nations to follow.

Fueling the Future of Energy

Harnessing Nigeria's vast gas and oil resources to drive growth.

Headquartered in Port Harcourt, Topline Limited has evolved into a recognized leader in pipeline engineering solutions for the oil and gas industry. Founded over 40 years ago as a family-owned business, the company has expanded steadily under the leadership of Managing Director Chinedu Maduakoh, who took the helm 21 years ago. "We began with pipeline cleaning services and now proudly provide inspection services and pipeline installation," he reflects.

Specializing in pipeline laying, maintenance, inspection, and repair, Topline is broadening its horizons through the development of a liquefied natural gas (LNG) plant in Delta State. "We're now focusing on natural gas. In the next three to five years, we're looking at expanding our plant from five million to 25 million standard cubic feet," Maduakoh says. With over 20 clients and partners, Topline's operations extend across Nigeria, Ghana, and the UAE, with plans for further expansion.

Topline's track record includes major projects such as laying a 56-kilometer pipeline in Akwa Ibom and a 120-kilometer pipeline maintenance project for a leading Nigerian energy company. Its most significant milestone came with maintenance work in Abu Dhabi, marking a breakthrough into the Middle Eastern market.



**CHINEDU MADUAKOH,
MANAGING
DIRECTOR
OF TOPLINE
LIMITED**

"We've expanded our operations into Abu Dhabi, where we've carried out maintenance work for a refinery, marking a great achievement," Maduakoh shares.

Innovation is central to Topline's success. The company has introduced cutting-edge tools like the pipeline Pathfinder tool in partnership with one of its partners, Pipeline Innovations, and maintains an active research and development arm. "We research and see how we can apply technology to our services. It's something that we're continually working on," says Maduakoh.

Beyond technical excellence, Topline embraces CSR and ESG principles. The company employs over 120 people, and it plans to increase its workforce with the new gas plant. It also invests in local communities through initiatives such as supporting education, healthcare, and environmental conservation. "We engage with communities, find out what their needs are, and try to meet them," says Maduakoh.

Looking ahead, Topline aims to deepen its footprint across Africa while capitalizing on Nigeria's vast gas reserves. "There's an abundance of gas resources here, both onshore and offshore, and I believe there are huge opportunities for international investors to harness and develop them," he says.



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Nigeria's Gas Revolution Powers On

Nigeria's Decade of Gas initiative has ignited a dynamic energy ecosystem, catalyzing innovation in LNG, CNG, infrastructure, and regional leadership across West Africa.



Over the past decade, Nigeria's gas sector has turned promise into progress. Modular LPG plants are rising, CNG bus fleets are expanding, and

gas-fired power stations are fueling industries and homes. New export terminals—designed and built by Nigerian companies—show that the Decade of Gas is not just a slogan, but a transformational reality.

Entrepreneurs across the sector have led the charge. Professor Anthony Adegbulugbe, Chairman and CEO of Green Energy International Limited, captures the new vision: “We wanted something integrated—not just exporting crude, but adding value.” His company's projects, including a 20 MW gas-fired plant and Nigeria's first indigenous onshore oil export terminal in decades, reflect a shift toward using energy as a catalyst for industrialization and development.

Meanwhile, a vibrant gas ecosystem is taking root. Infrastructure, once dominated by multinationals, is increasingly built by domestic companies focused on modularity and innovation. Topline Limited's Managing Director, Chinedu Maduakoh, highlights the shift: “We're now focusing on natural gas, expanding our LNG plant from five million to 25 million scopes.”

Entrepreneurs like Fola Akinola, Group CEO of Femadec Group, are transforming transportation through natural gas. “We chose CNG because it's cheaper, cleaner, and it can power Nigeria's future,” he explains. Akinola's early investment in CNG-powered buses positioned Femadec to thrive after the removal of fuel subsidies. “Transportation is a cash-and-carry business. Using CNG solved two problems: fuel cost and revenue collection efficiency,” he adds.

Beyond transportation, the gas value chain is expanding. New logistics services, pipeline fabrication, CNG refueling stations, and cylinder manufacturing plants are strengthening the national infrastructure. As OIDA Group notes, “Where gas goes, light goes, development goes,” emphasizing that gas infrastructure fuels industries, schools, hospitals, and livelihoods.



**TOYIN SUBAIR,
VICE
CHAIRMAN
OF PCNG
INITIATIVE**



Nigeria's ambitions are increasingly regional. With abundant reserves and strategic geography, the country is poised to become West Africa's dominant energy supplier. “We plan to contribute 300 to 400 million cubic feet of gas into the Nigerian market by 2027—and expand into regional exports,” says Emeka Okpuzor, Managing Director of Petrol Energy. His company is investing in pipelines, floating LNG, and cross-border supply agreements connecting Nigeria's gas fields to new markets.

Floating LNG projects, modular gas-to-power installations, and initiatives like the West African Gas Pipeline are reimagining energy distribution across the region. In a continent where energy access is often limited, Nigeria's growing capacity offers a model for how indigenous resources and entrepreneurship can drive scalable, sustainable development.

“The mission is to enhance Nigeria's energy security, lower transportation costs, and reduce carbon emissions.”

Beyond technical achievements, the true revolution is structural. Nigeria's gas story today is no longer reliant on megaprojects. It is being built through modular LNG trains, localized CNG corridors, flexible LPG hubs, and community-driven projects. Small-scale developments are knitting together into a resilient, inclusive energy fabric.

This model reflects hard-earned lessons: energy transition must be both global and local, ambitious and achievable. As Professor Adegbulugbe emphasizes, “The vision is not just to monetize resources, but to change the face of development in Nigeria.”

With every LPG cylinder distributed, every CNG bus launched, and every modular plant commissioned, Nigeria moves closer to that goal. It is creating not just more energy, but more jobs, skills, and opportunities.

The possibilities ahead are immense—for Nigeria, for Africa, and for investors who recognize the transformation underway. As OIDA Group highlights, Nigeria's gas fields today are “diamonds in the rough”—vast assets that, with the right partnerships, can shine brighter than ever imagined.

For investors ready to engage, Nigeria offers a compelling proposition: abundant resources, a rising private sector, and a government committed to reform and sustainability. The Decade of Gas is proving to be more than a policy—it is becoming a national movement, powered by innovation and determination.

As Nigeria accelerates into the second half of its Decade of Gas, one thing is clear: this is not just an energy transition. It is an economic revolution.

Today, Nigeria invites the world to join in building a cleaner, smarter, and more inclusive energy future, and the time to act is now. Because in Nigeria's gas revolution, the opportunity is not coming. It has already arrived.



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