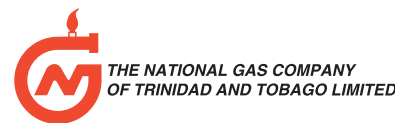


# The National Gas Company of Trinidad and Tobago Limited (NGC)



## Who we are

Incorporated in August 1975 by the Government of Trinidad and Tobago as a wholly-owned state enterprise, The National Gas Company of Trinidad and Tobago Limited (NGC) is an energy company whose core business activities are the aggregation, purchase, sale, transmission and distribution of natural gas. NGC is an internationally investment-graded company with the financial flexibility to self-finance or access funding on the local and international markets.

## What we do

The Company has played a pivotal role in expanding Trinidad and Tobago's gas-based energy sector and is strategically positioned in the midstream of Trinidad and Tobago's natural gas value chain. NGC owns, maintains and operates the country's transmission and distribution gas pipeline network of approximately 1,000 km which comprises both offshore and onshore segments. The network's installed capacity is currently 4.4 billion standard cubic feet per day (Bscf/d) and supplies power generation firms, global scale petrochemical plants, and a wide range of light manufacturing and commercial enterprises. Consistently profitable, NGC is a significant contributor of taxes and dividends to the national treasury. Through its investments, strategic partnerships and pioneering gas pricing model, NGC has successfully secured the profitability of the local gas-based energy sector, and catalysed the social, economic and industrial development of Trinidad and Tobago.

Through its subsidiaries and investments, NGC has strong linkages in the downstream and upstream sectors. Today, NGC leads a diversified Group of Companies which is evolving into a global business entity, working to develop a structure that supports its international mission to create

exceptional value from natural gas and related energy businesses through valued partnerships and arrangements.

NGC's main subsidiaries include:

- National Energy Corporation of Trinidad and Tobago (National Energy)
- Phoenix Park Gas Processors Limited (PPGPL)
- NGC CNG Company Limited (NGC CNG)

A valued player in our nation's natural gas-based energy sector, NGC, and by extension the NGC Group of Companies, has a proven business model for maximising resources for industrial development and long-term prosperity - a model with applicability far beyond the shores of Trinidad and Tobago.

# National Energy Corporation of Trinidad and Tobago (National Energy)



## Who we are

National Energy Corporation of Trinidad and Tobago (National Energy) was incorporated in 1979 to continue the government's efforts at monetizing the country's natural gas resources and developing and managing industrial, port and marine infrastructure. National Energy was involved in the construction and operation of the early petrochemical plants, and the port and marine infrastructure which service all plants on the west-coast Point Lisas Industrial Estate.

In 1999, National Energy, a wholly-owned subsidiary of NGC, became an independent entity within the NGC Group of Companies, with a mandate to develop and manage suitable infrastructure in order to facilitate and promote the various activities relevant and appropriate to natural gas-related operations.

## What we do

National Energy is responsible for the conceptualization, promotion, development and facilitation of new energy-based and downstream industries in Trinidad and Tobago. The Company identifies opportunities for new industrial estates and associated deep water ports. National Energy owns and operates a fleet of 10 vessels (9 tugs and workboats, 1 fast crew supply vessel) and six terminals for handling import and export of downstream products. The Company's portfolio includes operation of the country's newest industrial port, the Port of Galeota located in the south-east, as well as the Port of Brighton on the south-west coast of Trinidad.



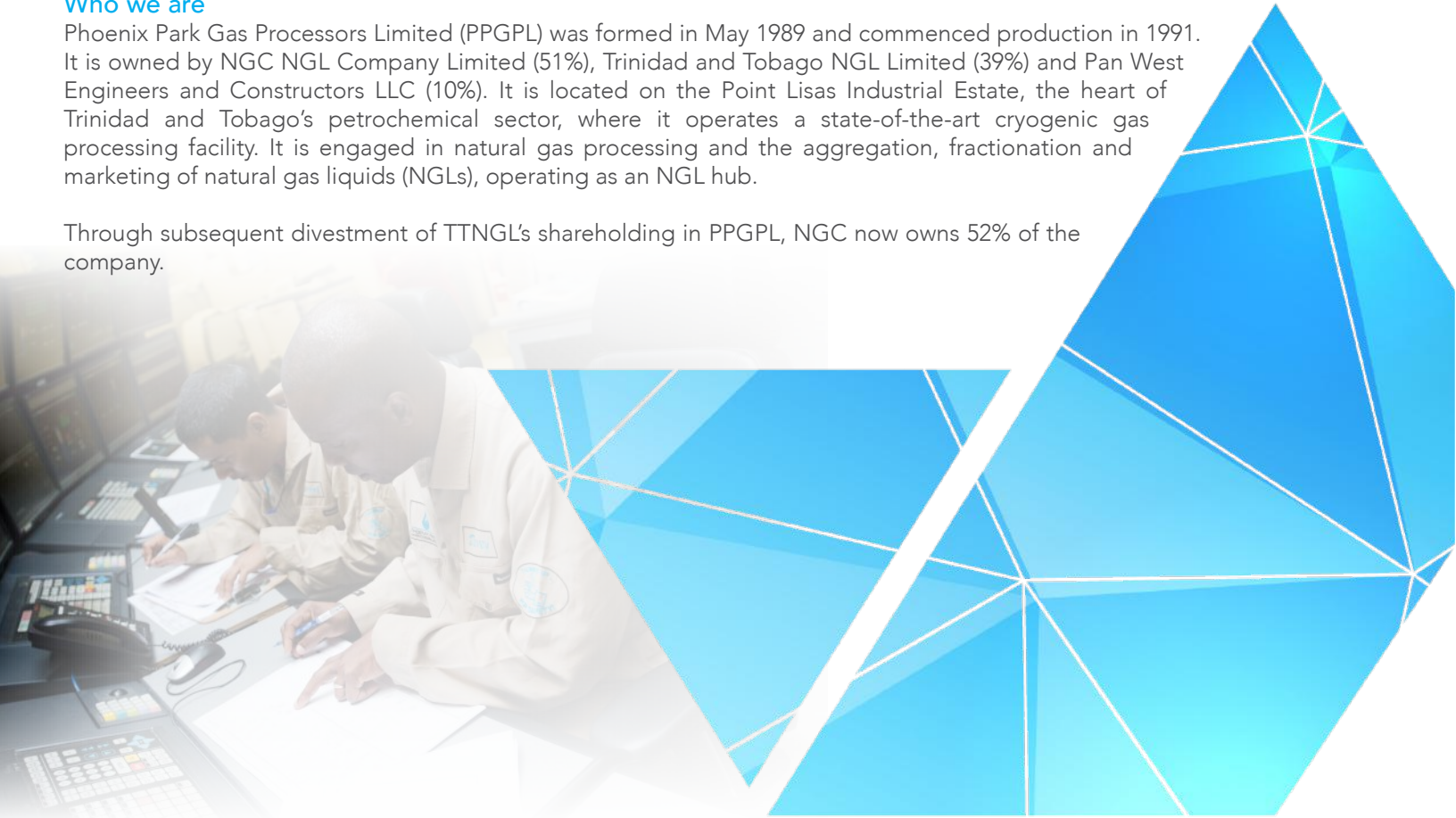
National Energy manages the La Brea Industrial Development Company Limited (LABIDCO), in which NGC has 83% ownership. LABIDCO's mandate for the La Brea Industrial Estate is to provide industrial land, port, logistics and bio-remediation services at competitive prices. LABIDCO's business activities include leasing developed industrial lands, comprising 400 acres of fully developed land with 58 serviceable lots, and port operations. In addition, activities at the Port of Brighton, which consists of Berth #1 - 60metres, Berth #2 - 354metres & Berth #3 - 307metres, include cargo handling, logistics, rig/vessel repairs, and fabrication and loading-out of offshore platforms. Platform fabrication is done at the Fabrication Yard Facility which comprises a 17-acre common yard for short-term lease and two 4-acre blocks for long-term lease. At the facility, platforms, topsides and jackets ranging in tonnage from 700 to 5,200 have been successfully assembled, using local content, for international firms such as bpTT, BHP Billiton and EOG Resources.



### Who we are

Phoenix Park Gas Processors Limited (PPGPL) was formed in May 1989 and commenced production in 1991. It is owned by NGC NGL Company Limited (51%), Trinidad and Tobago NGL Limited (39%) and Pan West Engineers and Constructors LLC (10%). It is located on the Point Lisas Industrial Estate, the heart of Trinidad and Tobago's petrochemical sector, where it operates a state-of-the-art cryogenic gas processing facility. It is engaged in natural gas processing and the aggregation, fractionation and marketing of natural gas liquids (NGLs), operating as an NGL hub.

Through subsequent divestment of TTNGL's shareholding in PPGPL, NGC now owns 52% of the company.



### What we do

PPGPL operates one of the largest gas processing facilities in Latin America and the Caribbean and has maintained an exceptional safety record by local and international standards. PPGPL receives unprocessed gas from the NGC, from which it extracts NGLs- propane, butane and natural gasoline. It then redelivers cleaner, high quality gas to NGC for distribution to its downstream customers to use as a feedstock or fuel for their operations.

PPGPL markets its propane and butane in the Caribbean and Central America and the natural gasoline is marketed further afield.





### Who we are

NGC CNG Company Limited (NGC CNG) is a wholly-owned subsidiary of NGC. NGC CNG has been mandated by the Government of Trinidad and Tobago to accelerate and expand the use of Compressed Natural Gas (CNG) as a major alternative transportation fuel in the country.

### What we do

NGC CNG is executing a Government of The Republic of Trinidad and Tobago (GORTT) mandate to increase the number of vehicles which are powered by CNG as well as the number of supply points.

NGC CNG has successfully partnered with National Petroleum (NP), The United Independent Petroleum Marketing Company Limited (UNIPET), to outline the terms and conditions for the respective companies regarding the provision of CNG equipment installations, operations at their respective stations and dispensation.

NGC CNG facilitated training for trainers of the National Energy Skills Centre (NESC) to perform CNG technicians training for the industry, The Vehicle Maintenance Company of Trinidad and Tobago (VMCOTT), to perform state sector conversions, The Association of Maxi Taxis of Trinidad and Tobago (AMTTT) to provide incentives to individual maxi taxi owners to dispose of their diesel-powered vehicle and switch to CNG. NGC CNG has also partnered with the Trinidad and Tobago Bureau of Standards to revise the national standard for CNG, which specifies minimum requirements for the design, installation, operation and maintenance of CNG vehicular systems and vehicle fuel dispensing systems. The company has also successfully encouraged and caused to be brought on board, various private sector companies that are investing in the CNG industry and this will provide a firm foundation for its long-term viability, which is generating tens of millions in economic activity annually.





A chemical engineer by profession with a strong focus on Health, Environment and Safety, Mark Loquan has over 30 years' experience in the petrochemical industry in the USA, Europe, Sub-Saharan Africa, Australia and Trinidad and Tobago. He has considerable expertise as a chief executive officer in joint ventures and has worked at senior levels in multinational environments. He began his career in the energy sector as a process engineer and moved through various leadership positions before being appointed as the first local president of Hydro Agri Trinidad (now Yara Trinidad Ltd.). In 2009, he was appointed president, Upstream Business Development for Angola/Sub-Saharan Africa at Yara International. Mr. Loquan moved to Australia three years later, where he served as CEO of Yara Pilbara. He assumed the post of president of NGC in 2016.

Mr. Loquan holds an MBA from the Fuqua School of Business at Duke University, and received training in Executive Leadership and Management from Cornell University and IESE Business School (University of Navarra).

**Mark Loquan**

PRESIDENT, THE NATIONAL GAS COMPANY OF TRINIDAD AND TOBAGO LIMITED (NGC)



Appointed President of National Energy in 2013, Dr. Vernon Paltoo has worked on the conceptualisation, design, development and promotion of industrial and energy-related projects in Trinidad and Tobago at several state agencies and academic institutions for more than 20 years. He was instrumental in the development of the country's newest natural gas-to-petrochemicals project, located in south-west Trinidad. Under his leadership, National Energy also established Trinidad and Tobago's most recent industrial port in south-east Trinidad. Dr. Paltoo has lectured on the energy industry on a part-time basis at The University of the West Indies and the University of Trinidad and Tobago. His areas of expertise include industrial development, engineering design, energy economics and project economics. Dr. Paltoo holds a B.Sc. in Chemical and Process Engineering and a Ph.D. in Chemical Engineering, both from The University of the West Indies.



**Dr. Vernon Paltoo**

PRESIDENT, NATIONAL ENERGY CORPORATION OF TRINIDAD AND TOBAGO (NATIONAL ENERGY)





**Dominic Rampersad**  
PRESIDENT, PHOENIX PARK GAS PROCESSORS LIMITED (PPGPL)

Dominic Rampersad has over 28 years' experience in financial accounting, 23 of which have been spent in the natural gas sector in Trinidad and Tobago. He has held various portfolios at PPGPL, prior to his appointment as president in 2016, including vice president, Finance and Information Technology, management accountant, financial accountant and business development project leader. In the latter role, he was a key contributor to securing five expansion projects, which resulted in the doubling of PPGPL's gas processing, fractionation and NGL storage capacity. Mr. Rampersad is a chartered accountant and holds an MBA from the Oxford Institute of International Finance.



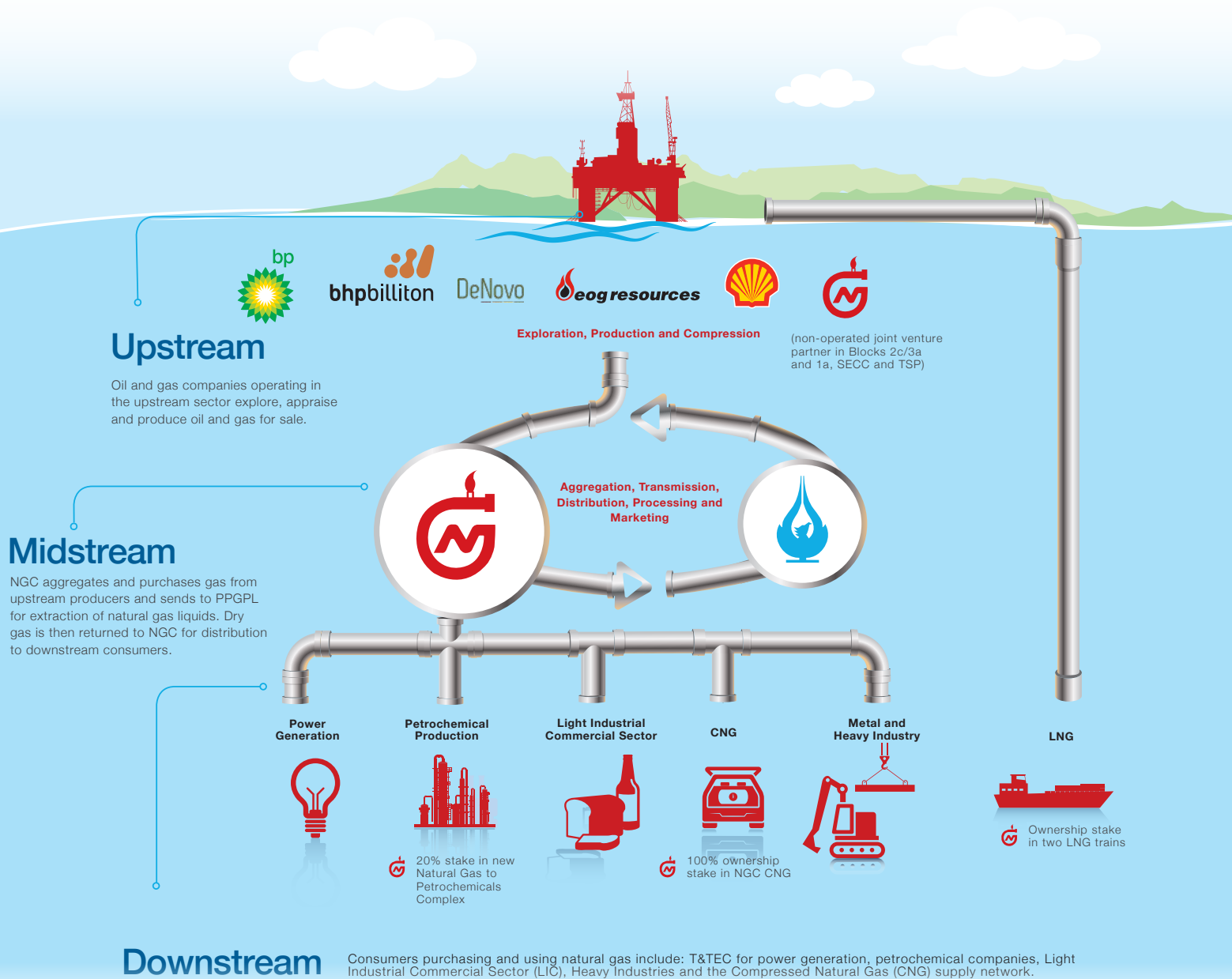
Incorporated in 2013 and made operational in January 2014, NGC CNG Company Limited was established to promote the use of CNG. Called to refine, develop and spearhead this national initiative, Curtis Mohammed, NGC's vice president Gas Transmission and Distribution at the time, welcomed the challenge. Mr. Mohammed is an energy and manufacturing sector business professional with over 29 years of experience in both sectors in Trinidad and Tobago, with significant international exposure. He has considerable familiarity with the beverage alcohol, fuel alcohol, oil and gas industries, as well as the fuel transportation sector, with his professional experience and skills including Process and Project Engineering in the oil and gas sector, the establishment of manufacturing entities in the spirits and renewables (fuel ethanol) industry, operations rollout and management of all phases of major capital projects. Mr. Mohammed holds a B.Sc. in Chemical Engineering and M.Sc. in Engineering



**Curtis Mohammed**  
PRESIDENT, NGC CNG COMPANY LIMITED (NGC CNG)



# Trinidad and Tobago's Natural Gas Value Chain





# Uncommon knowledge

*[Unique expertise gained from extensive experience.]*

# creates maximum value

## In the world of natural gas, the NGC Group is an extraordinary force.

For over four decades, the members of the NGC Group have been co-creators and implementors of a globally admired, proprietary blueprint for sustainable natural gas-based development; a model that ensures Trinidad and Tobago derives maximum value from its natural gas resources. This proven ability and capacity equip us to share this uncommon knowledge with potential, emerging international gas-based jurisdictions, while continuing to secure our business at home, developing our people and securing Trinidad and Tobago's future.

### NGC GROUP OPERATIONS

- Natural gas-based development and merchandising
- Pipeline construction
- LNG production
- Development and management of industrial sites
- Port and marine infrastructure
- Processing, fractionation and marketing of natural gas liquids (NGLs)
- Marketing of compressed natural gas (CNG)

A valued partner. A sound investment. We are the **NGC Group**.

