



THE GAS CONSORTIUM



West Africa **GAS SUMMIT**

CONCEPT NOTE

In collaboration with the Ministry
of Energy and Green Transition of
the Republic of Ghana

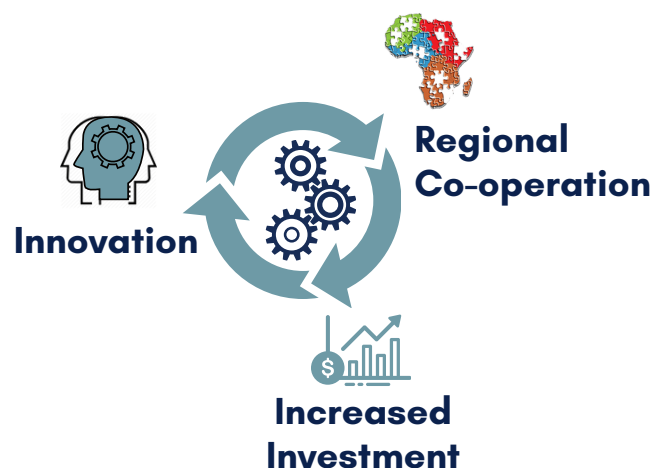
Executive Summary

The Gas Consortium is embarking on the West Africa Gas Summit (WAGS) series commencing 2025. WAGS was conceptualized as an answer to the call for rapid regional gas sector expansion at previous conferences.

The West Africa region lags behind the rest of the world in terms of energy consumption per capita. Its vast gas resources can be leveraged to achieve socio-economic transformation and poverty elimination.

The Summit is designed to mobilize public sector leadership, supported by private sector stakeholders, to channel a broad spectrum of knowledge and expertise into sector management, policymaking and structured collaboration on project development opportunities.

WAGS is structured to address market information gaps and catalyse project development to drive sector innovation and investments for regional gas market expansion



BACKGROUND

I

Case for Change

West Africa's Moment for Focused Gas Project Development

Recent developments in the West African sub-region present the conditions required to provide the needed momentum to drive gas growth in West Africa.

Significant gas discoveries have resulted in a surge in development projects. Some notable examples are:



Nigeria-Morocco Gas Pipeline

Expected to bring more than 176TCF of natural gas to Morocco. From there, it will be connected directly to the Maghreb Europe Gas Pipeline and the European gas network.



Greater Tortue Ahmeyim LNG Project

Senegal & Mauritania's Tortue field is estimated to contain approx. 15TCF of recoverable gas resource potential.



West African Gas Pipeline Project (WAGPP)

The 687 km pipeline transmits gas from Nigeria to feed thermal power stations in Benin, Togo, and Ghana. The pipeline's extension, estimated to be 5,660km long, will connect Nigeria to Morocco and Europe.

Limitations on Gas Sector Growth

- Many projects are ultimately skewed in the direction of gas **export**. This is expected to worsen, in the face of the ongoing energy crisis in Europe.
- There is big focus on **electricity generation**, slowing down growth of other downstream applications such as fertilizer and petrochemicals manufacturing and associated projects.
- Gas flaring** is a common occurrence particularly in Nigeria and Ghana, which are the major gas producers in the region.

While the industry is bullish about the possibility of finding more natural gas in the region, the highlighted gas sector trends limit the potential for rapid domestic gas market expansion through local industrialization.





The Need for Change

Need for Economic Transformation

In West Africa, the deteriorating economic situation has adversely affected food security and nutrition, with more than 25 million people currently unable to meet basic food needs.



Where Are We?

West Africa has **400 Million** people, consuming **~7.2 GJ** of energy per year

West Africa accounts for **~5.5%** of the global population but **<1%** of global energy consumption

In 2019, South Africa alone accounted for over a **quarter** of Africa's energy use

West Africa sits almost **33%** **below** the UN average energy requirement for substantive development

Over the last 10yrs, energy use per capita within the West Africa region has grown **only ~2.8%**

In West Africa, **<50%** of the population have access to electricity

Where Others Are

In per capita terms, someone living in the EU in 2019 consumed on average **9 times** as much energy as someone living in Africa

Italy and Germany combined consumed **more energy** from Natural Gas in 2019 than the entire African continent

In 2019, **100%** population of the EU, accounting for just under 445 million people, had access to electricity

Given the positive correlation between energy consumption and performance in development indices across Health, Education and other key sectors of any economy, West Africa's focused development of its gas resources is paramount.



The Gas Challenge

A transformative shift away from historic global energy policy biases that have hindered industrial development





Natural Gas' Versatility

Natural gas (primarily containing methane / ethane) and its by-products are widely used across numerous applications providing energy security, reliability, cost competitiveness and a clean energy solution

Power Generation

Serves as primary fuel for thermal power plants which use gas turbines to burn natural gas to generate electricity

Industrial Applications - Chemicals & Petrochemicals

Used as feedstock in various industrial processes, such as production of methanol, cosmetics, medicine, fertiliser, plastics, paint, glue, and synthetic fibres

Industrial Applications - Process Heating

Used as a cost effective and greener industrial heat source for production of products such as steel, cement, and ceramics.

Domestic Uses

Widely used in homes for cooking and space heating (cold climates). In West Africa, a natural gas by-product, Liquefied Petroleum Gas (LPG), mixture of propane and butane, is commonly used in cooking

Transportation

Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) used as cleaner alternative fuel for vehicles via internal combustion engines

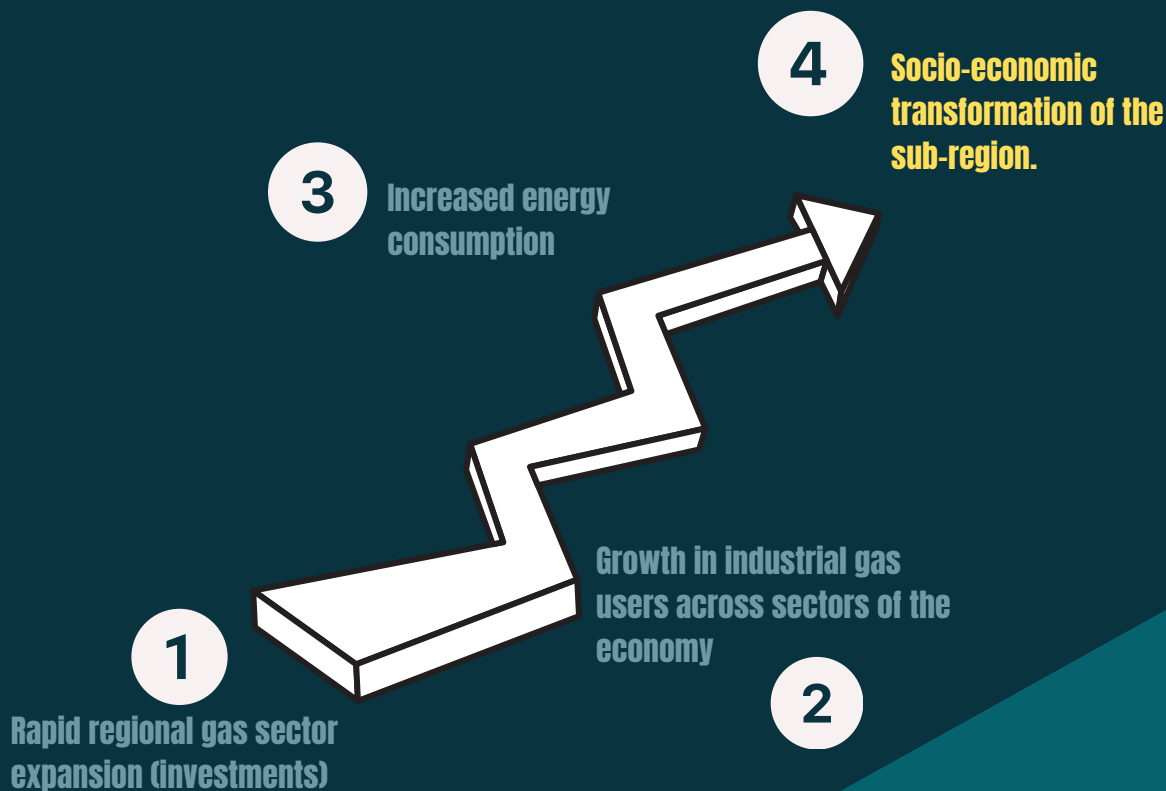




Vision for the Future

West Africa's Energy Revolution

The transformation of West Africa's socio-economic landscape is inextricably tied to its capacity to sustainably develop its gas sector



There is a clear role for gas in West Africa's bid to reshape its future to the benefit of her people



A NEW FLAGSHIP PROJECT

II

THEME

Rapid Regional Gas Sector Expansion for Socio-Economic Transformation



VENUE

Accra, Ghana

DATE

11th – 12th June 2025*

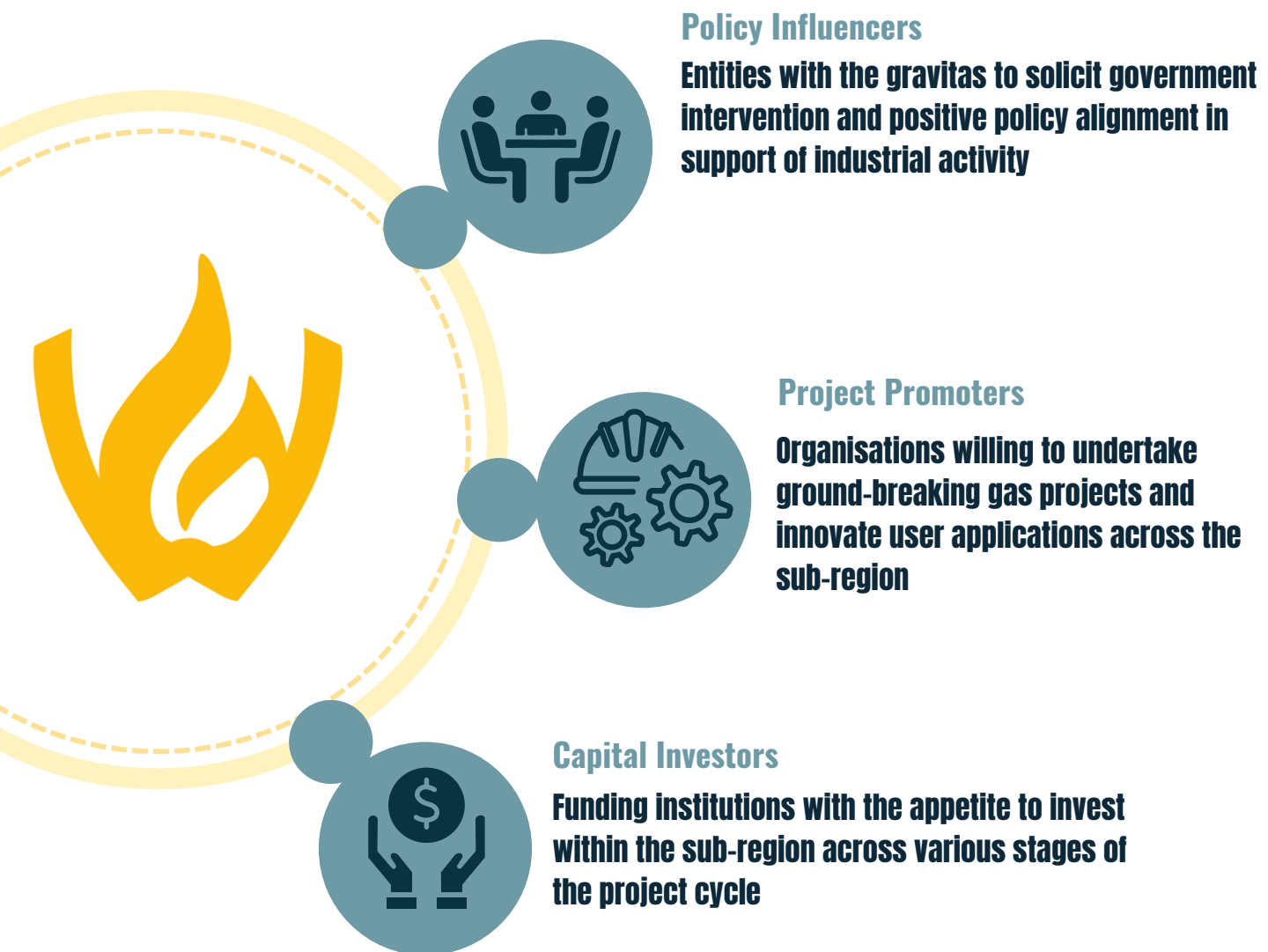
*Capacity Building Seminar to be held on 10 and 13 June

The Approach

A partnership-based path to promoting shared interests

The Three Actors

The combined expertise and competencies of select players is strategically targeted to drive collaborative solutions



A Pathway to Regional Influence

WAGS is positioned to usher in the development of future complementary initiatives in the short term



2012 - 2021



2025 +

Future initiatives

- Indigenous Fund focused on gas/energy project and infrastructure development
- Technical Assistance Programme for Industrial Innovation

2026 +

As TGC transitions from its Ghana Gas Forum flagship project series, it aims to leverage WAGS to roll out new strategic initiatives to support projects driving infrastructure development and industrial innovation within the West African gas sector.



The Objectives

Mobilizing resources to drive the “gas to industry” value chain

Regional Gas Supply Enhancements

Promote integrationist solutions and commercial frameworks to bolster gas trading within the West Africa sub-region via existing and proposed networks

Infrastructure Investment

Raise awareness around infrastructure expansion models that open up opportunities for public and private sector co-operation in attracting major investments

Project & Market Development

Highlight potential for regional market expansion, and position market development opportunities to attract cross-sectoral support that drives industrial offtake of gas (non-power)



PROGRAMME DRIVERS & IMPACT

III

Key Features

Robust engagements guided by industry leaders

The key features of the West Africa Gas Summit are designed to address underlying business, commercial, policy and regulatory interests

Energy Minister's Session

Hosted by the Energy Minister of the Host Country. Opportunity for Energy Ministers of gas producer and consumer countries within West Africa to discuss policy and regulatory positions related to regional co-operation around supply and trading of gas. The Session comprises a closed door meeting and plenary session to allow delegate input .



CEO Interactive Session

CEOs of leading sector players present current working plans, as well as strategic positions related to policy and market outlook. Delegates obtain a closer understanding of decision-making factors, drivers of sector growth and gain insights into the latest trends within the gas sector.



Investor Panel

Offer support to entrepreneurial initiatives by highlighting potential gas projects and inviting advice from a panel of leading sector players with financial and project development expertise. This engagement guides promoters in structuring bankable and investment worthy projects.

One-on-One Meetings

Opportunity for corporate subscribers to hold pre-planned business meetings on the sidelines of the Summit with select industry leaders and senior corporate executives.



Networking Cocktail

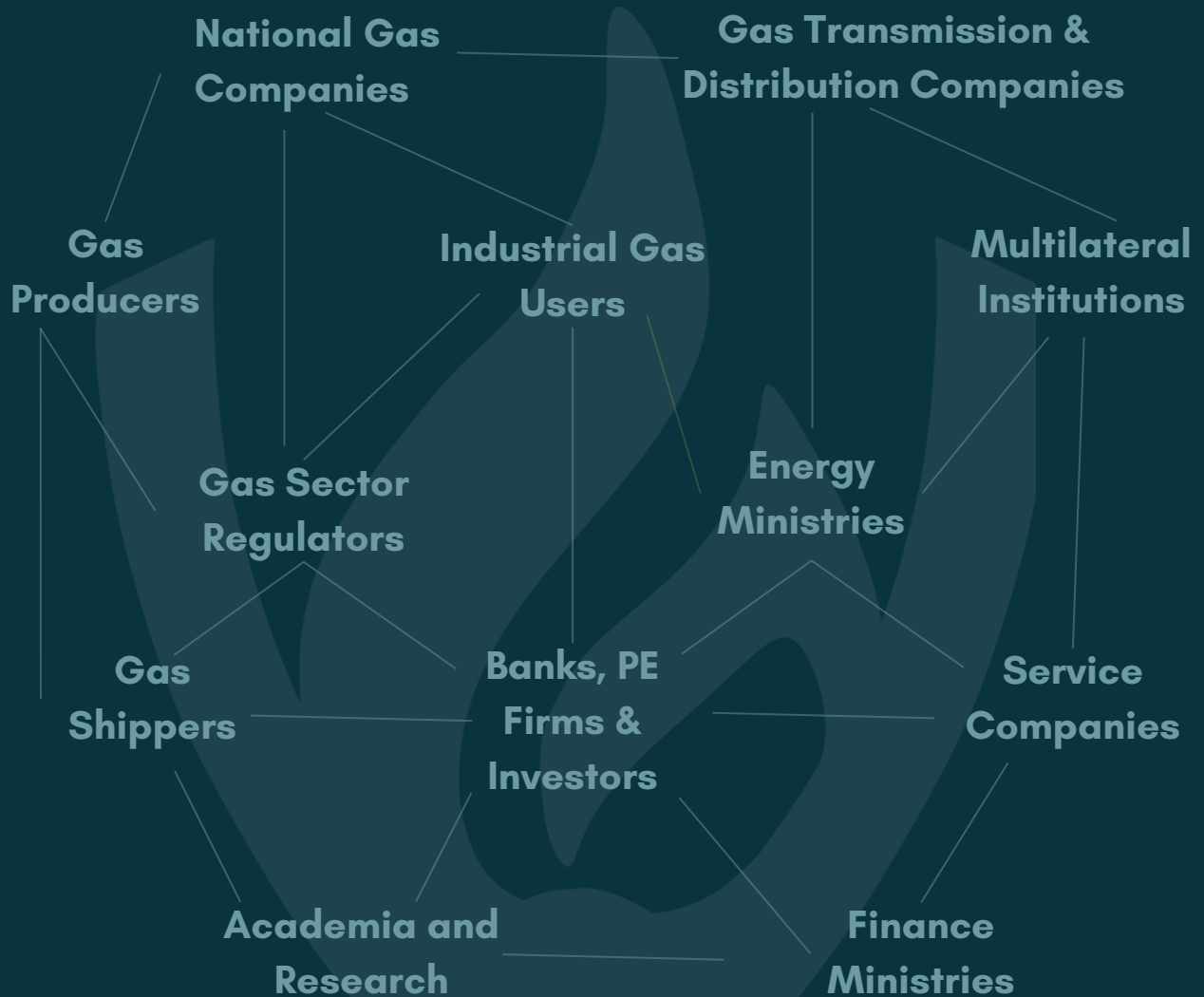
A final opportunity for relationship building and business networking to complement exchanges during the earlier components of the Summit. Exchanges will be further facilitated by showcasing interactive presentations on major gas projects and initiatives expected to have transformational impact on the regional gas sector.





The Participants

Bringing Together Key Stakeholders



Institutions participating at WAGS represent the different segments of the gas value chain as well as select public agencies with influence on business decision-making and sector management



The Impact

Enabling sector innovation and strategic investments for regional gas market expansion

Generating Market Intelligence...

Showcase potential of prospective and ongoing projects

Highlight in-country and cross-border regulatory, trade and investment requirements & bottlenecks

Provide up-to-date analysis of latest trends and developments within the regional gas sector

...to guide outcomes in Innovation & Investment

- **Sustainable gas supply for existing networks across the region including considerations for alternate transmission modes**
- **Production and transmission gas mass balance assurance across sub-region**
- **Extension of cross-border gas network along the coast and into the sub-region's interior**
- **Infrastructure linking new gas supply to domestic and regional markets**





Capacity Building Seminar

Tuesday, Friday

10 & 13 June

9:00am - 5:00pm



Managing Non-Technical Project Risks in Africa

About TGC

The Gas Consortium (TGC) was established as a pioneering industrial advocacy organization dedicated to harnessing the potential of natural gas development to improve livelihoods in the West African sub-region.

It advocates for gas-led energy consumption in the region as a strategic tool for economic and structural transformation.

TGC envisions a future where gas access is associated with sustainable communities across West Africa.

Executive Council



Dr. Nii Darko Asante
Chairman



Senam Gbeho
Executive Secretary

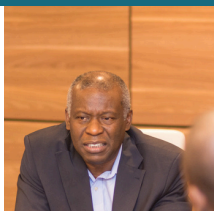


Esi Ribeiro
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Emmanuel Anyaeto
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Advisory Group



Charles Darku
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Ghana



Theo Sackey
CEO, Cenpower
Generations

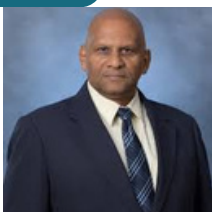


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Honorary Patrons



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Guyana, Fmr. Chairman, The
National Gas Company of
T&T, Fmr. Energy Minister,
Fmr. Finance Minister, T&T



George Owusu
Founder, Mansa
Engineering Limited,
Chairman of the Owusu
Foundation & Fmr.
Country Manager,
Kosmos Energy Ghana



Join us on our **Mission** to drive positive change
and build a prosperous, **poverty-free** future for
the **West African sub-region**



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