



7th SUB-SAHARAN AFRICA INTERNATIONAL PETROLEUM EXHIBITION AND CONFERENCE (SAIPEC)

Sub-Saharan Africa Local Content Collaboration Strategy

Presented By

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CRUDE OIL PRICES

SAIPEC 2021

\$63/b



SAIPEC 2022

>\$90/b



SAIPEC 2023

>\$80/b



SAIPEC
2024?

Crude Oil at

> \$100

per barrel?

Topic

Sub-Saharan Africa Local Content Collaboration Strategies

Objectives:

- Breakdown barriers
- Promote cross-border collaboration
- Provide peer review mechanisms, and
- Share experiences

Focus Areas

Legal Framework

Funding & Incentives

Infrastructure

Human Capacity Development

R&D

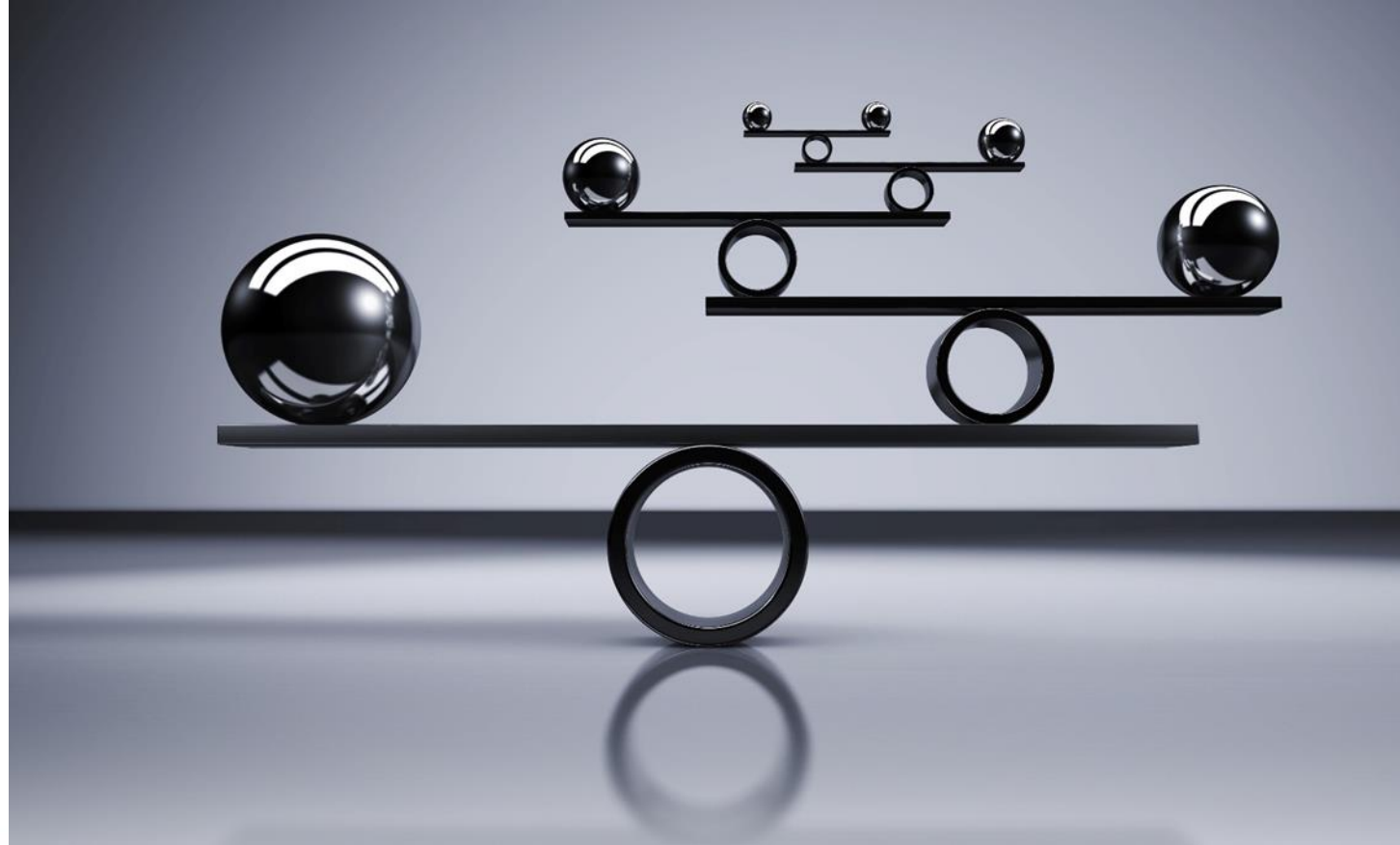


Legal FRAMEWORK



Nigerian Oil & Gas Industry Content Development (NOGICD) Act (2010)

The NOGICD Act of 2010 establishes NCDMB as the sole agency of the Federal Government that is responsible for driving Nigerian Content in the oil and gas industry



Collaboration Framework: African Continental Free Trade Agreement (AfCFTA)



1.2billion people

55 countries

\$3trillion GDP



Creating One African Market



**Accelerate
Economic Activity**



**Economies
of Scale**



**Food
Security**



**Infrastructural
Development**



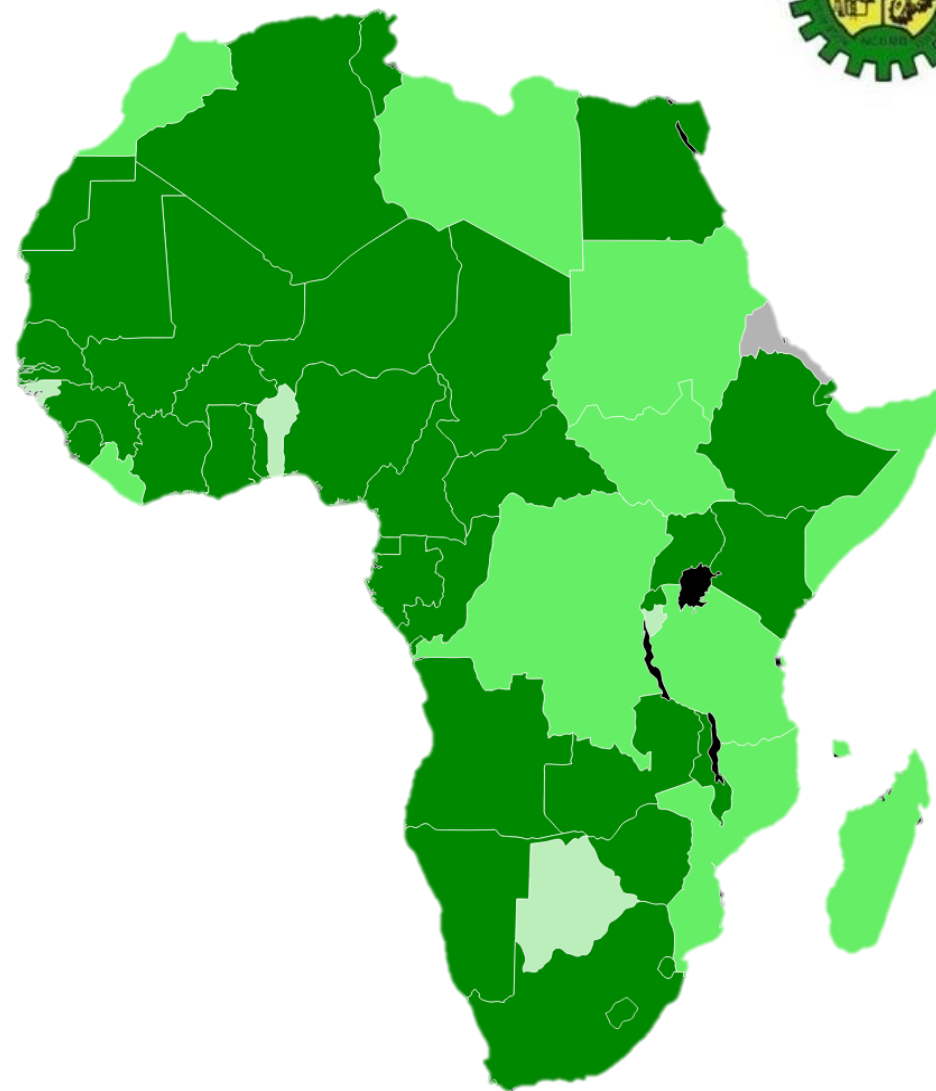
Linkages



**Trade
Partnership**

NATIONAL ACTION COMMITTEE ON AFCFTA

Effectively coordinates all relevant stakeholders toward the attainment of Nigeria's strategic national interest



Infrastructure ...



Hard – Physical Networks

- Roads
- Bridges
- Railways
- Power Stations

Soft - Institutions

- Economic
- Health
- Social
- Cultural

‘The economic multiplier for public investment (including infrastructure) is one and a half times greater than the initial investment in two to five years’

Hard – Physical Networks

- Pipelines
- Terminals
- Ports & Jetties
- LNG Regasification facility
- Refineries

Soft - Institutions

- Economic
- Security
- Health
- Social

Oil and Gas Infrastructure: Examples



NCDMB NOGAPS Industrial Parks (7 Locations): Operational from 2023





African Local Content Energy Fund

**OIL & GAS
PROJECTS**

**RESEARCH &
DEVELOPMENT**

INFRASTRUCTURE

MoU Between APPO/AFREXIM



Human Capital Development



NOGTECH HACKATON



NCDMB/ITF



UNDERGRADUATES ESSAY



Research & Development



Mission

"To improve in-country R&D capabilities and Value Domiciliation"

R&D Vision: *To be a catalyst for Innovation in the Nigerian Oil and Gas industry and its linkage sectors*

Funding



Infrastructure



Capability



Commercial Framework



Collaboration



Governance



Legal Framework



Enforcement



Core Values: *Integrity, Creativity, Team Spirit, Patriotism, Professionalism and Passion*



smart gas leak and smoke detector alarm



hydro-pneumatic electric power generator



Fabricated water tank and cooling tower



Solpawa Soil booster and Conditioner

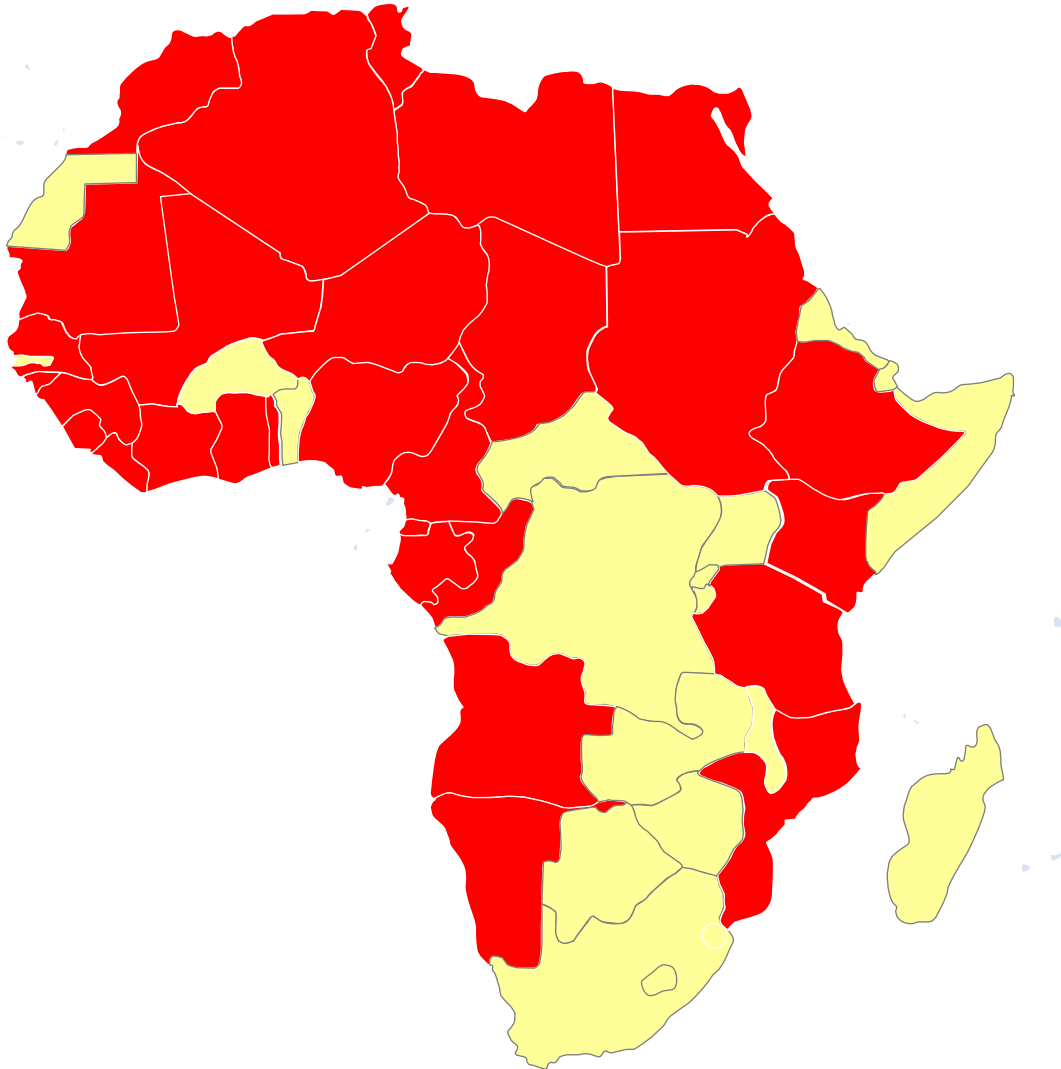
Africa Hydrocarbon Map



***A Continent blessed
with resources***

Africa

- 7% of Global Proven Oil Reserves
- 13% of the Global Gas Reserves



Limited but Growing Refining Capacity



Africa

- A lot of refining potential that remains untapped
- Refining capacity in Africa is currently about **1.7million** barrels/day



February 21, 2023

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Africa's Energy Landscape



World's largest free trade area

- Market size of 1.3 billion people across 55 countries
- Combined gross domestic product (GDP) of about US\$3.4 trillion.

Holds 7% of the world's proven crude oil reserve[^]

- 17 African countries have proven crude oil reserves of 125.3 billion barrels*

Holds 13% of the world's proven gas reserves

- Combined African gas reserves is estimated to be about 620 trillion cubic feet) in 2021**

Availability of critical oil and gas infrastructure

- 2 FPSO Integration facilities (Angola and Nigeria)
- World-class fabrication yards
- World-class pipe mills etc.

Combined crude oil refining capacity of 1,752,500 bpd^{^^}

- Dangote refinery of 650,000 bpd is expected to come onstream later

Combined LNG liquefaction plant capacity of 71.1 mtpa

- With ongoing and proposed LNG liquefaction projects, it is estimated to reach 144.8 mtpa by the year 2050

[^]<https://www.reuters.com/business/energy/africa-must-use-its-gas-reserves-drive-economy-industry-officials-say-2022-11-01/#:~:text=Africa%20holds%20around%2013%25%20of,baseload%20power%20generation%20for%20industry.>

*<https://www.thisdaylive.com/index.php/2021/11/09/underinvestment-africas-125-8bn-crude-oil-reserves-slump-by-500m-barrels-in-2021/>

**<https://theconversation.com/africa-has-vast-gas-reserves-heres-how-to-stop-them-adding-to-climate-change-194473>

^{^^}<https://energycapitalpower.com/top-ten-oil-refineries-in-africa-by-capacity/>

WORLD LNG SUMMIT

Nov 2022, Athens, Greece



Need to reverse under investments in gas development and the LNG projects to the much-needed flexibility, resilience, and stability in the energy eco-system

DECADE OF GAS – Gas Powered Economy



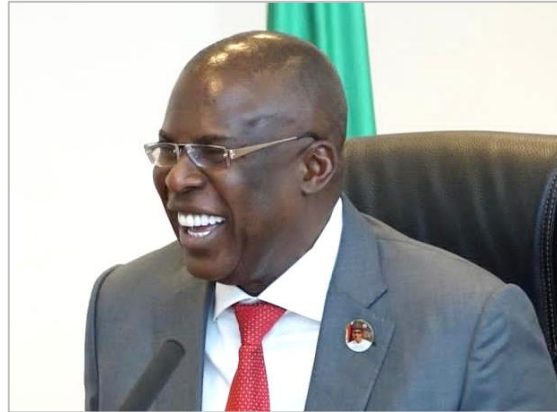
80MMscd gas Processing Facility and 300MMscfd KGG manifold at Kwale, Delta State.

1.2 million/year Composite LPG Cylinder Manufacturing Plant in Bayelsa & Lagos States

24MW Power Plant at LADOL Facility in Lagos State



Rungas



SOUTHFIELD PETROLEUM LIMITED

200MMscfd Gas Processing Plant in Utorogu, Delta State



Butane Energy Limited

LPG storage/bottling plants and LPG Depots 10 northern states and Abuja.



5,000MT LPG Loading and Receiving Terminal at Koko Delta State



10,000TPD Methanol Production Facility at Brass Island, Bayelsa.



Closing

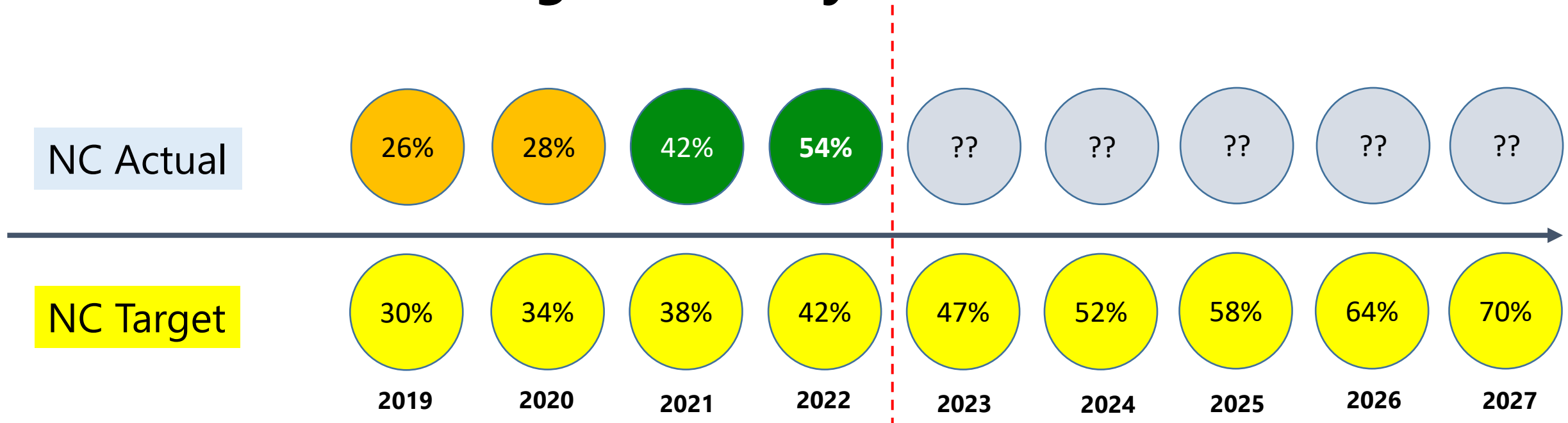


‘T’ for Technology

NC Level Tracker...



Implementation of the initiatives under the Board's 10-year Strategic Roadmap is yielding the desired results in the oil and gas industry



Nigerian Content Tower
Yenagoa, Bayelsa State
Nigeria

Thank You for Listening