



Chartered Institute of Stockbrokers 28th Annual Conference

Capital Market as Catalyst for the \$1.0 Trillion Economy

November 2024



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Section:
Introduction

Our Mandate

Mission

- ❖ To drive economic growth through strategic investments for the benefit of all Nigerians.

Vision

- ❖ To position NSIA as a leading sovereign wealth fund globally, promoting responsible and strategic investments for Nigeria's economic development.

The Cor Funds

1. Stabilization Fund (SF) \$360 million (August 2024)

- ❖ This is the smallest of the three NSIA pools of capital, with a 20% allocation of Funds under Management. The purpose of the SF is to act as a buffer against short-term macro-economic instability associated with considerable government revenues derived from hydrocarbon exports.

2. Future Generations Fund (FGF) \$1.2 billion (August 2024)

- ❖ It is to preserve and grow the value of assets transferred into it – by investing in a diversified portfolio of appropriate growth investments – in order to provide future generations of Nigerians with a solid savings base for such a time as the country's hydrocarbon reserves are depleted (30%).

3. Nigeria Infrastructure Fund (NIF) \$1.2 billion (August 2024)

- ❖ This is one of three distinct and ring-fenced funds managed by the Authority. It focuses entirely on domestic investments in certain sectors of the Nigerian economy, some of which include motorways, healthcare, power and agriculture (50%).
- ❖ To enhance the development of Nigerian infrastructure - Agriculture, healthcare, motorways, power and renewable energy, gas industrialization and financial markets infrastructure are some of the high priority areas of focus for NSIA.
- ❖ We invest to stimulate sustainable economic growth, enable industrialisation, attract investment capital, and facilitate policy changes across these key sectors. These catalytic sectors each have the potential to accelerate Nigeria's economy transformation and fuel the nation's emergence as the preferred investment destination in the Sub-Saharan Africa.

Current Status

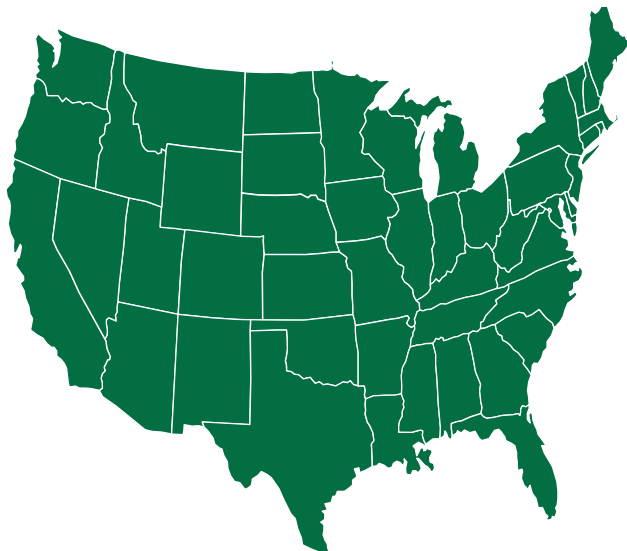
Seed Capital in 2003 of \$1 billion
AUM as at August 2024 circa \$2.8 billion

The NSIA's performance has been strong, with a 1,122% growth in total comprehensive income in 2023. The SWFI ranked NSIA joint 2nd in its global rating of more than 56 SWFs and is a member of the International Forum of Sovereign Wealth Funds (IFSWF).

Section:

**Global Macro
Review**

USA



Sectors Expected to Outperform



Financials: Although US growth has been strong, the U.S labour market has slowed over the past 12 month. This is why we expect that the Fed will likely cut interest rates by up to 25 basis points in the last 2 months of the year.



Small Cap Equities: After years of underperformance, small-cap equities may be poised for a rebound, especially if the broader market experiences a rotation away from large-cap stocks.



Energy: Increased geopolitical tensions and gravitation to commodities may keep energy costs high, benefiting energy producers, but the potential negative effects on consumer spending and overall economic growth are concerning.

Solid US Economic Growth

US Gross Domestic Product expanded by 2.8% in Q3 2024 after expanding by 3% in Q2, 2024 with outlook for Q4 at 2.7%. Growth has been driven by personal consumption, government spending, and investments. Net exports fell for a third consecutive quarter as a relatively strong dollar continue to weigh on net exports, making imports relatively cheaper while US exports are more expensive.

Small Cap Rebound

US inflation has continued to fall and trend towards the Fed's target 2%. A decrease in inflation, will lead to a shift in market expectations and a rotation into small cap stocks as small caps are more likely to benefit from lower interest rates because they have higher borrowing costs

Election Impact on Economic Stability

Following weeks of uncertainty, Donald Trump's empathic win is expected to galvanize more US growth and inflation as we expect a bigger deficit from an increase in economic stimulus spending. In addition, we expect a cut in corporate tax, favorable tariffs and deregulation. Overall equities market will respond positively to the Trump win

Geopolitical Risk & Rising Energy Prices

The ongoing conflict in Ukraine & the Middle East, coupled with potential for escalation in the South China sea could further exacerbate supply chain disruptions and continue to drive-up energy costs for consumers & businesses alike.

Europe



Sectors Expected to Outperform



Consumer Cyclicals: The UK is likely to see economic growth in the short run, but analysts expect inflation to average 2.6% in 2025 compared. The EU's biggest uncertainty is the the U.S. election, since it could have implications for trade, growth and inflation.



AI Technology Companies: Significant AI infrastructure spending is underway, with European firms providing essential components like power regulation and sensors. This is expected to boost the performance of the European tech sector.



Energy: The conflicts in Ukraine and the Middle East could keep energy costs elevated, benefiting energy producers, but potential negative impacts on consumer spending might offset these gains.

BOE Rate Cuts Unlikely

In July, the Bank of England cut interest rates by 25bps to 5% as CPI hit 2%. After the budget report in October however, analysts anticipate BOE will slow down on further rate cuts due to expected inflationary impact of government planned borrowings, a higher minimum wage and greater employment costs for employers.

European Central Bank (ECB) Rate Cuts

The ECB lowered interest rates in June by 25bps to 3.75%, reflecting growing confidence that Eurozone inflation is easing. However, Euro zone inflation accelerated more than expected in October and could still pick up further in the coming months, bolstering the case for caution in ECB interest rate cuts. Inflation in the 20 countries sharing the euro currency accelerated to 2% from 1.7% in September due to higher food and energy costs

ECB Economic Forecast and Growth Drivers

The ECB revised its growth projection for 2024 to 0.6%, with the ECB expecting the economy to grow at 1.5% (2025) and 1.6% (2026). These growth forecasts are primarily supported by easing inflation, accommodative monetary policy, continued employment growth, and a recovery in the tourism sector.

Geopolitical & Debt Concerns

Despite a better economic outlook from rate cuts, geopolitical uncertainty and rising debt concerns could dampen investor confidence and slow economic expansion. Increased tensions may disrupt energy supplies, weaken confidence in the real economy, drive up inflation, and heighten risk aversion in financial markets.

Asia



Sectors Expected to Outperform



Japanese Equities: Strong corporate balance sheets, rising ROE from corporate reforms, and anticipated growth in capital market activities due to rising Japanese rates are expected to enhance the earnings of Japanese equities.



Chinese Consumer Discretionary: As the Chinese government focuses on boosting consumer demand, sectors like retail, automobiles, and tourism are expected to experience growth.



Indian Consumer Discretionary: The rural economy rebound and improving consumer confidence are likely to boost demand for consumer goods and services, leading to growth in sectors like retail, automobiles, and consumer durables.

Monetary Policy Outlook

Most central banks in Asia have kept rates unchanged since ending their tightening cycles last year, but with low inflation and sluggish GDP growth, with the IMF projecting that Asia's growth will slow to 4.5% in 2024. China, the Philippines', and South Korea cut benchmark rates by 25 BP between August and September. While Taiwan retained rates.

Rising Geopolitical Risks

Geopolitical tensions, particularly involving China, are escalating and could further disrupt economic stability in the region. The ongoing trade disputes with the U.S. and potential conflicts in the South China Sea are creating uncertainties that could affect trade flows, investment, and economic growth in Asia. North Korea has sent thousands of North Korean troops to Russia

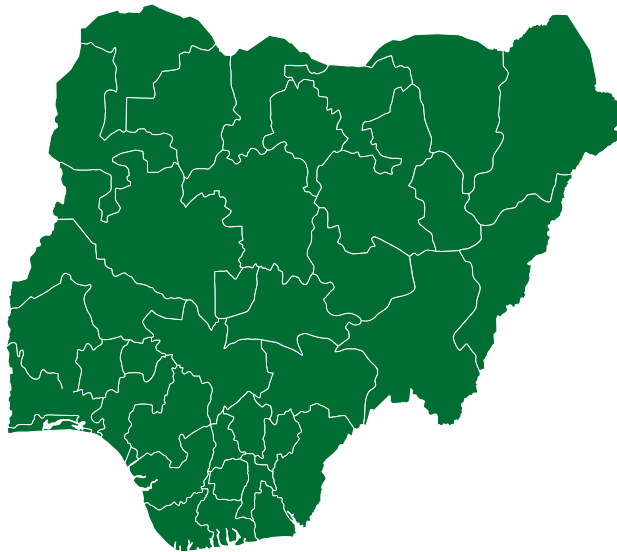
Uneven Growth Across Asia

Asia's growth is mixed, with Indonesia and India showing robust performance, while Japan may see a modest turnaround after early struggles in 2024. China's outlook is challenging due to rising trade protectionism, with 5% growth expected, driven by exports and investments.

Section:

**Nigeria's
Economic
Landscape**

Nigeria



Economic Recovery Anticipated

The Nigerian economy grew by 2.98% and 3.19% in Q1 and Q2 2024 resulting in a cumulative growth in the first half of 2024 of 3.1%. The downward trend from the projected 3.0% growth rate is due to currency devaluation, rising interest rates, and diminished purchasing power. However, a recovery is expected in Q4 2024, driven by increased domestic consumption, moderating inflation, and higher wages, along with more measured CBN actions and improved currency stability.

Inflation & Interest Rate Expectations

Nigeria's high headline inflation rates appears to be tapering from a high of 34.19 in June to 32.7% in September. We expect further decline due to CBN's rate hike, relative currency stability, Presidential Initiative on Food Security, and the growing effect of Dangote's refinery.. While monetary authorities will appreciate this moderation, we do not foresee an immediate end to rate hikes.

Foreign Exchange Outlook

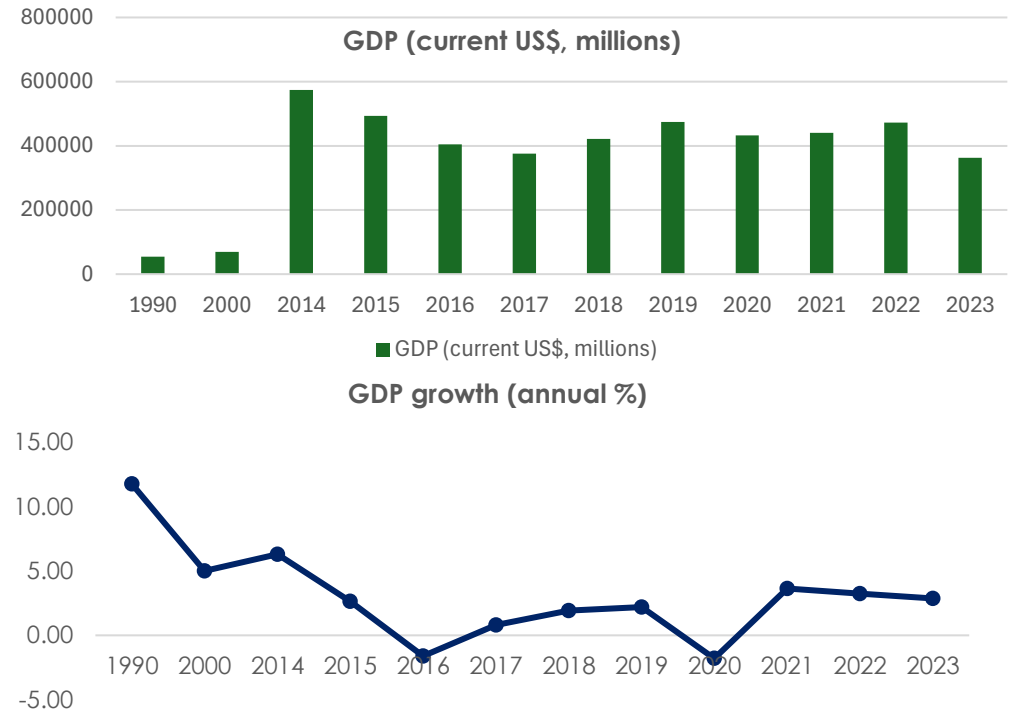
The Naira is expected to remain with the N1,600-1,700/\$ range for the rest of the year, supported by regular CBN interventions aimed at boosting liquidity and stabilizing the forex market. The increase in foreign reserves is attributable to proceeds from the domestic dollar bond, increased remittances, loans from Afreximbank and the World Bank, and global oil prices

In general, Nigeria's macroeconomic environment remains challenging, with persistent inflation, currency pressures, and low productivity posing significant risks to economic stability. However, the expected moderation in inflation, relative currency stability, and strategic fiscal reforms provide optimism for economic recovery.

2014 Nigeria GDP Rebasing

- In April 2014, the National Bureau of Statistics, announced changes to the way it calculated GDP, changing the calculation to more accurately reflect current prices and market structure, thus giving more weight to services such as the movie industry and telecoms services that had grown a lot recently.
- Nigeria subsequently grew to become the biggest African economy in 2014 (surpassing South Africa) with its GDP, going from \$270 billion to \$510 billion.
- As a result, Nigeria's estimate of its GDP increased by 89%.
- NBS plans another rebasing exercise (for both the GDP and CPI) in November 2024. This would provide a more accurate picture of the Economy and allow policy makers to formulate more effective policies.
- GDP rebasing will involve updating the base year and adjusting the weights used in computations. CPI rebasing will involve updating the items included in the basket of goods and services used in calculating CPI.
- Nigeria is the fourth highest GDP in Africa in 2024, according to the International Monetary Fund (IMF):
- Nigeria's economy has declined due to high inflation and a weakening currency. The new administration of President Bola Tinubu has implemented economic reforms, including removing the fuel subsidy and allowing the naira's value to be determined by supply and demand. These changes have led to higher fuel prices, which have affected transport and energy costs. The naira has also lost 70% of its value against the dollar, which has increased the cost of imported goods.

Nigeria GDP Trends



According to the International Monetary Fund World Economic Outlook database as at October 2024, the nominal GDP estimates for the top 5 African countries are as follows:

Rank	Country	(Billion US\$)
1	South Africa	403.045
2	Egypt	380.044
3	Algeria	260.134
4	Nigeria	199.721
5	Morocco	157.087

Section:

**Global
Infrastructure**

Theoretical Case

- ❖ In terms of theoretical studies, the framework can be integrated into neoclassical economic growth theory (Solow, 1957) and endogenous economic growth theory (Romer, 1986, 1990; Lucas, 1988).
- ❖ In neoclassical economic growth theory, infrastructure development is combined with other unobservable technological and policy factors to constitute the residual term of technological progress.
- ❖ Endogenous economic growth theory suggests that the externalities of infrastructure investment are the fundamental source of long-term economic growth.

Empirical Case

- ❖ Multiple empirical research show that infrastructure development has a positive impact on gross domestic product (GDP):
- ❖ A 2021 World Bank study found that an increase in physical infrastructure, especially electricity generation capacity and telecommunications, has significant positive effects on gross domestic product. Infrastructure has a larger effect in more recent years (1992–2017) than in earlier years (1970–1991), and the effects of infrastructure are higher in developing economies than in industrialized economies.[World Bank Policy Research Working Paper 9888, December 2021

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- ❖ A 2020 Global Infrastructure Hub study found that infrastructure investment has a strong impact on economic growth, indeed, it determined that public investment in infrastructure has a 1.5 times greater economic multiplier than other types of public spending. [<https://www.gihub.org/>]
- ❖ Findings from the study carried out by Du, Zhang, and Han (2022) demonstrate that new infrastructure investment can significantly improve economic growth quality, and this conclusion still seems valid after conducting endogeneity treatments and robustness tests. Further mechanism evaluations indicate that new infrastructure investments contribute to boosting economic growth quality in terms of the condition, process, and results of economic growth by promoting technological innovation, improving industrial structure, and enhancing production efficiency. [Du, X.; Zhang, H.; Han, Y. How Does New Infrastructure Investment Affect Economic Growth Quality? Empirical Evidence from China. Sustainability 2022, 14, 3511. <https://doi.org/10.3390/su14063511>]

Overview of Africa's Infrastructure Stock

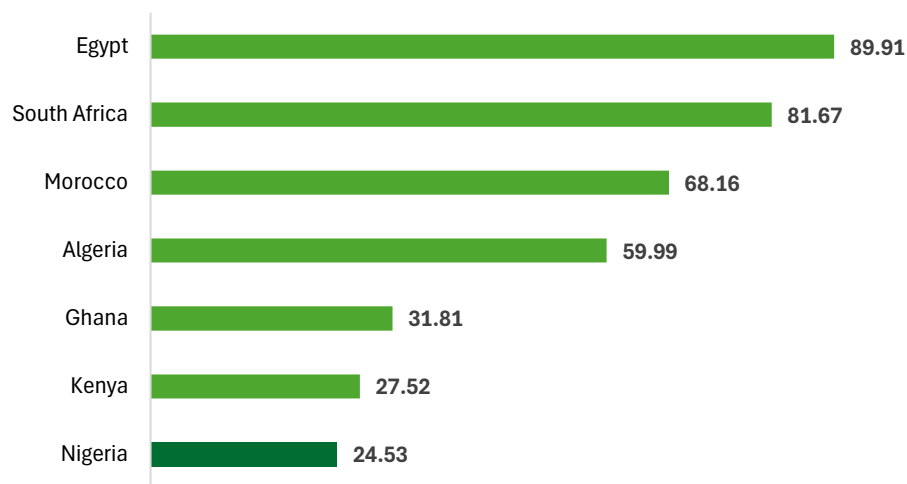
- ✦ Africa's vast infrastructure deficit is a constraint on its growth but also presents an opportunity to leapfrog to newer, more efficient technologies.
- ✦ According to Infrastructure Africa, the continent requires an estimated \$130 to \$150 billion in annual expenditure to achieve sustainable and inclusive development.
- ✦ China, whose capital stock was 0.47 times that of Africa five decades ago, now has a capital stock approximately 6.1 times higher than Africa's.
- ✦ Over the past three decades, Africa has experienced near stagnation in its total estimated capital stock.

Current State of Africa's Infrastructure (% of Population)

Electricity Coverage	43%
Access to an all-season road	43%
Mobile Penetration Rate	80%
Improved Water	68%
Improved Sanitation	40%
People living in slum conditions, % of urban population	50%

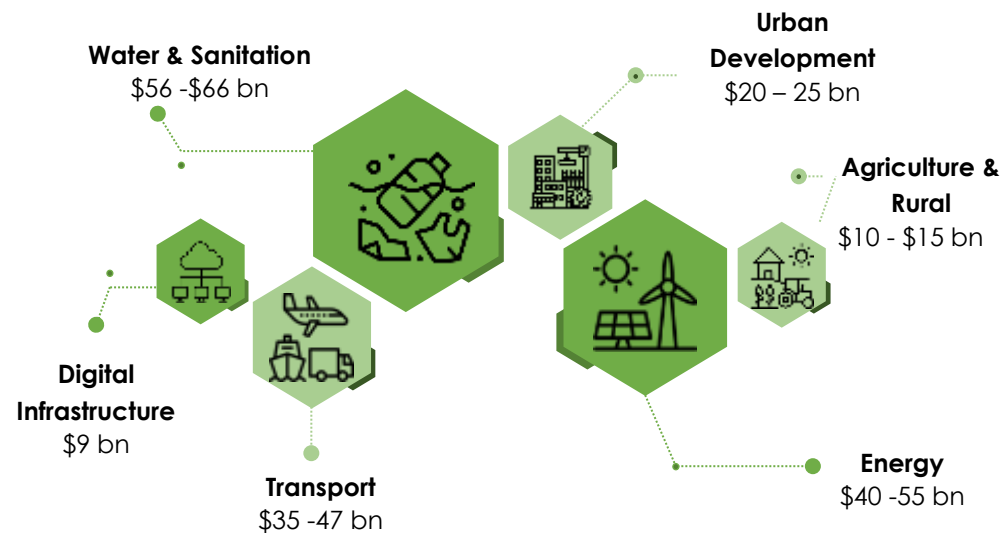
Africa Development Bank, World Bank 2022

Africa Infrastructure Development Index % (2022)



Africa Development Bank, 2022

Africa Annual Infrastructure Investment Needs by Sectors

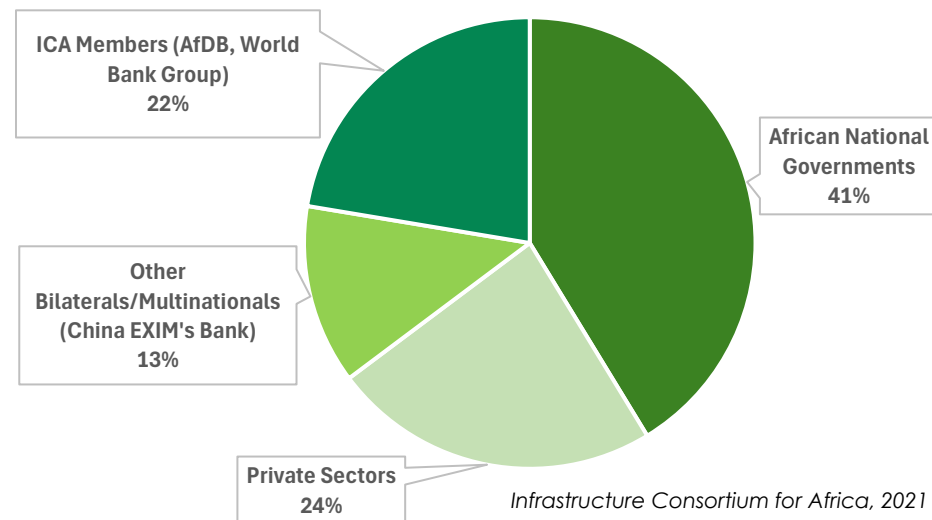


Infrastructure Africa, 2024

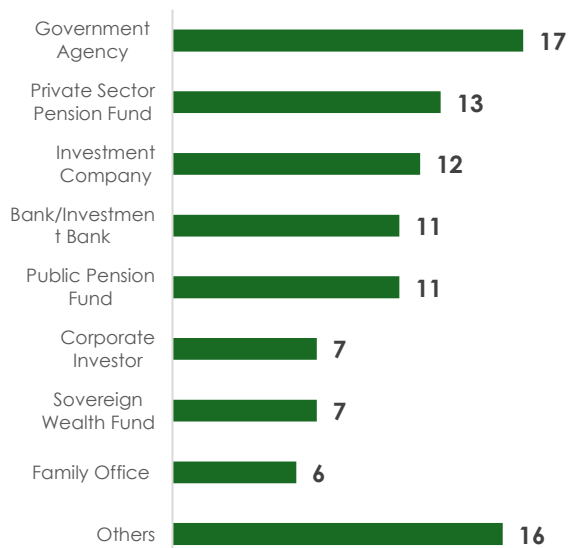
Africa's Infrastructure Investors' Pool

- Infrastructure Consortium for Africa (ICA) found that between 2013 and 2020, the average annual funding for infrastructure development in Africa was \$81 billion—double the annual average in the first six years of this century.
- Nearly half of the recent activity was in West and East Africa, with 27% and 19% of the total, respectively. **The transport and energy sectors** together accounted for nearly three-quarters of the total investment
- Capital Investments have come principally from African governments, which accounted for 41% of total funding, with Chinese Infrastructure Commitments growing at an average annual rate of 10%.

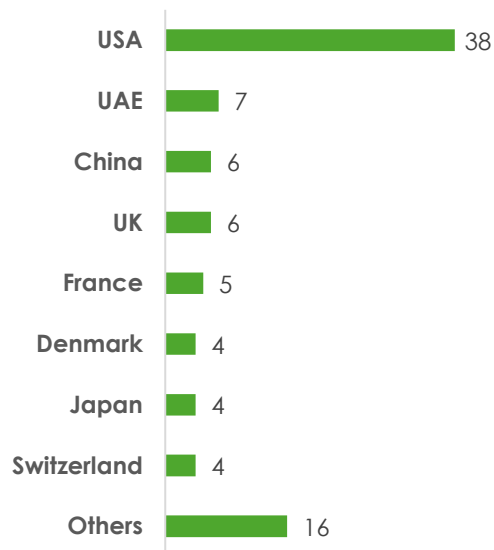
Capital Investments by Investor Category



Investors with Appetite for Africa by type (%)



Investors with appetite for Africa by location, %



- 1 **\$11tn** in Asset under Management (AUM) of Investors with appetite for Africa
- 2 **5.7%** (\$627 bn) target allocation to Infrastructure
- 3 **\$550 bn** Of the target allocation available for African Infrastructure.



Section:

**State of
Nigeria
Infrastructure**

Nigeria's Infrastructure

- Nigeria has one of the largest infrastructure deficits in Africa. According to the African Development Bank (AfDB), the country needs an estimated \$3 trillion over the next 30 years to close its infrastructure gap.
- This figure translates to an annual investment requirement of about \$100 billion. However, current investments fall far short of this, with estimates showing that only about \$10 billion is being invested annually.

2024 Budget

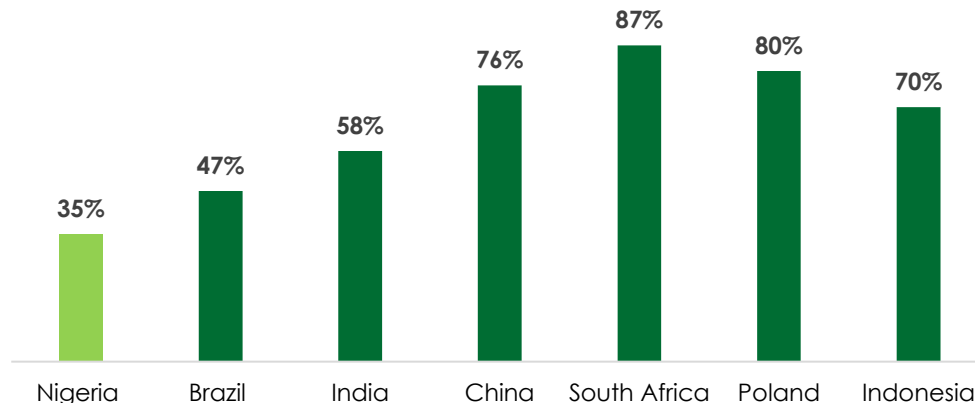


₦26.7 Trillion total expenditure in 2024 budget

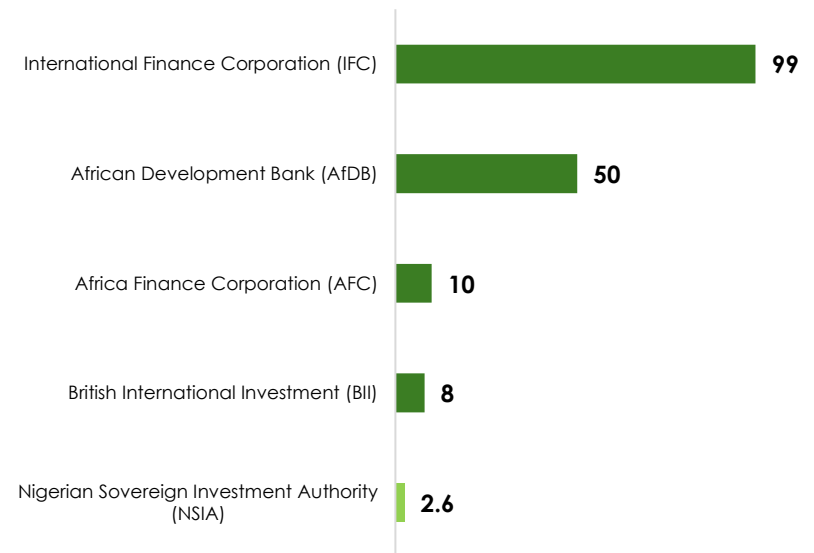


₦8.24 Trillion (\$5.49bn) allocation to capital expenditure which is **30%** of total budget

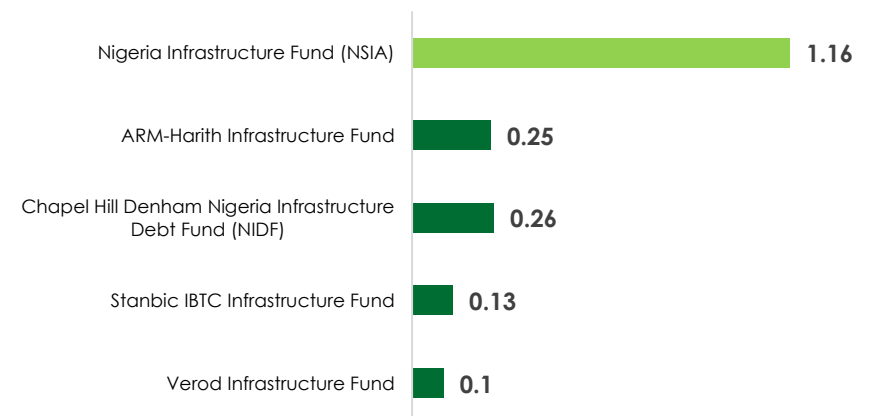
Infrastructure Stock among selected emerging economies (as a % of GDP)



Key Infrastructure Players By AUM (\$bn)














Nigerian Infrastructure Funds by Fund Size (\$bn)



Source: Annual Reports, NSIA Research

Challenges in Domestic Infrastructure Development

Stage of Development		Challenges	Mitigants
Planning 	National Alignment Issues 	<ul style="list-style-type: none"> There can be a lack of alignment on priorities, hence projects may sometimes be delayed. 	<ul style="list-style-type: none"> NSIA leverages position as a trusted public agency & relationships to progress projects.
	Lack of Bankable Projects 	<ul style="list-style-type: none"> Dearth of well – developed projects where NSIA can be financial investors 	<ul style="list-style-type: none"> NIF has developed expertise in conceptualizing & developing own pipeline. Also, it has leveraged the expertise of its partners
Financing 	Poor Risk Return Profile 	<ul style="list-style-type: none"> The lack of projects with an adequate risk-return profile deters investors. 	<ul style="list-style-type: none"> NSIA has a robust risk governance and value creation framework
	Lack of Deal Flow 	<ul style="list-style-type: none"> This limits market intelligence on the sector, which is essential for investors to assess risk. 	<ul style="list-style-type: none"> NSIA has thorough investment evaluation processes alongside strategic partners.
	Shallow Capital Markets 	<ul style="list-style-type: none"> Domestic capital market is shallow with limited liquidity for capital raise and exit considerations 	<ul style="list-style-type: none"> NSIA explores alternative exit routes beyond capital markets
	Currency Mismatch 	<ul style="list-style-type: none"> Currency mismatch between local currency revenues and the foreign currency investment. 	<ul style="list-style-type: none"> Export focused investments as well as NIFs access to Naira investment funds
Delivery & Operations 	Skills Shortages 	<ul style="list-style-type: none"> Shortage of skilled talent e.g engineers, which leads to cost and schedule overruns. 	<ul style="list-style-type: none"> NSIA partners with international strategic partners with expertise in the requisite fields, and in turn uses this to develop in-house capacity
	Governance & Regulatory Hurdles 	<ul style="list-style-type: none"> Time and cost of acquiring permits, licenses, waivers can lead to overruns. 	<ul style="list-style-type: none"> NSIA leverages its position as govt agencies to mitigate this risk.

Source: World Bank, NSIA, McKinsey



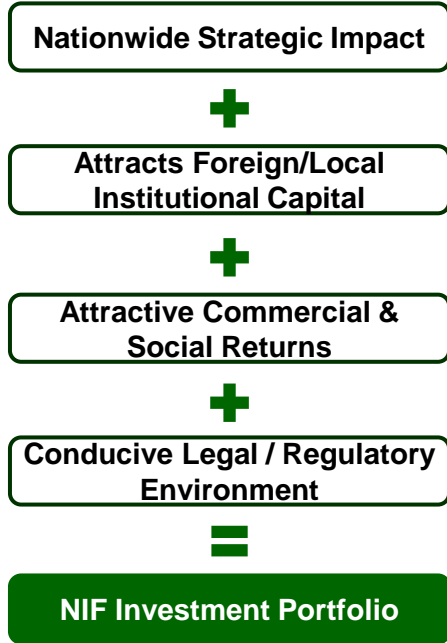
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Nigeria Infrastructure Fund

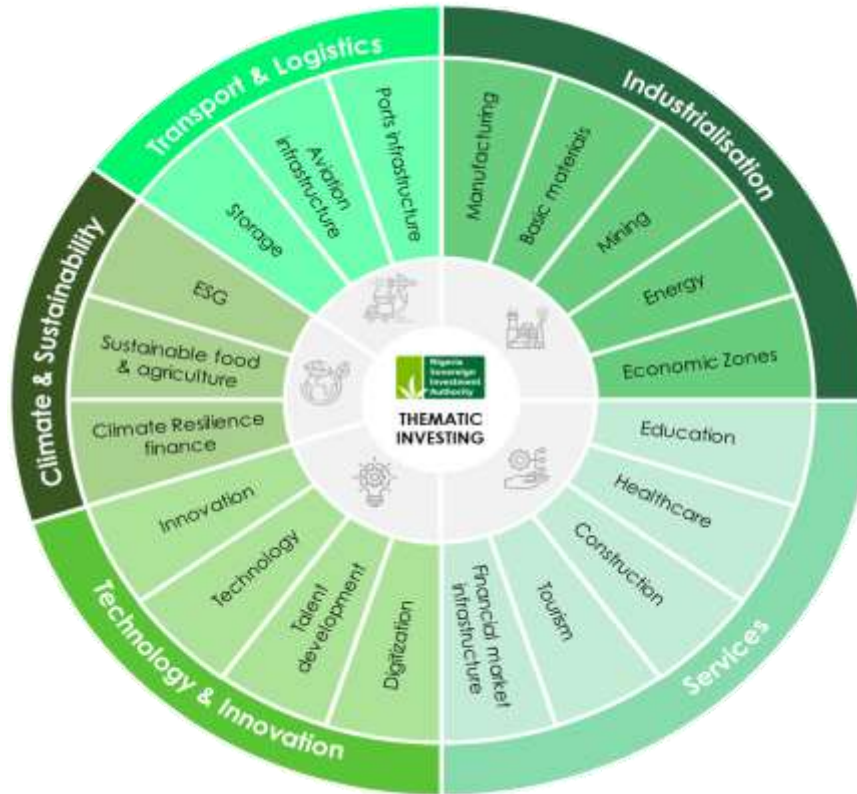
NIF AT A GLANCE

Objective: Enhance the development of infrastructure, primarily through investment in domestic infrastructure projects that meet targeted financial returns.

Key Investment Criteria



Thematic Investment Approach



Historical Highlights



Current AuM: **\$1.16bn**
Investment Horizon: **Long-term (Up to 20 years)**



Initial Asset Allocation: **40%**
Current Asset Allocation: **50%**
Expected Average Annualized Returns (US\$): **300 BPS**



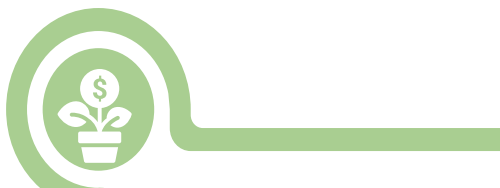
5 Thematic Areas of Interest.
Largest Nigeria focused infrastructure fund.

NIF STRATEGY IS ANCHORED ON THREE PILLARS

Direct Investment Strategy	Co-investment Strategy	Creation of Institutions
NIF invests directly in project companies via debt or equity	NIF establishes a co-investment platform to finance projects	NIF conceptualizes and establishes a company to address constraints to infrastructure development

Long-Term Investment Horizon

The Fund is designed for long-term investments, typically spanning up to 20 years, to accommodate the lengthy development and construction periods associated with infrastructure projects.



Return Targets

The Fund aims to deliver a U.S. dollar return in excess of 300bps.



ESG Standards

The Fund aspires to adhere to best ESG standards in its investments, aligning with internationally accepted principles and standards.



Base Currency

Fund accounts and fund reports shall be produced in both Naira and U.S. dollars



Sustainable Development

The Fund supports Nigeria's economic growth by investing in key infrastructure sectors to drive sustainable development, stimulate economic diversification, and create job opportunities.



Asset Allocation

- NIF will not commit more than 25% of its total assets to any one project. This limit mitigates the risk of significant loss from a single project.
- NIF will not allocate more than 35% of its total assets to any one infrastructure sector within Nigeria.



Diversification

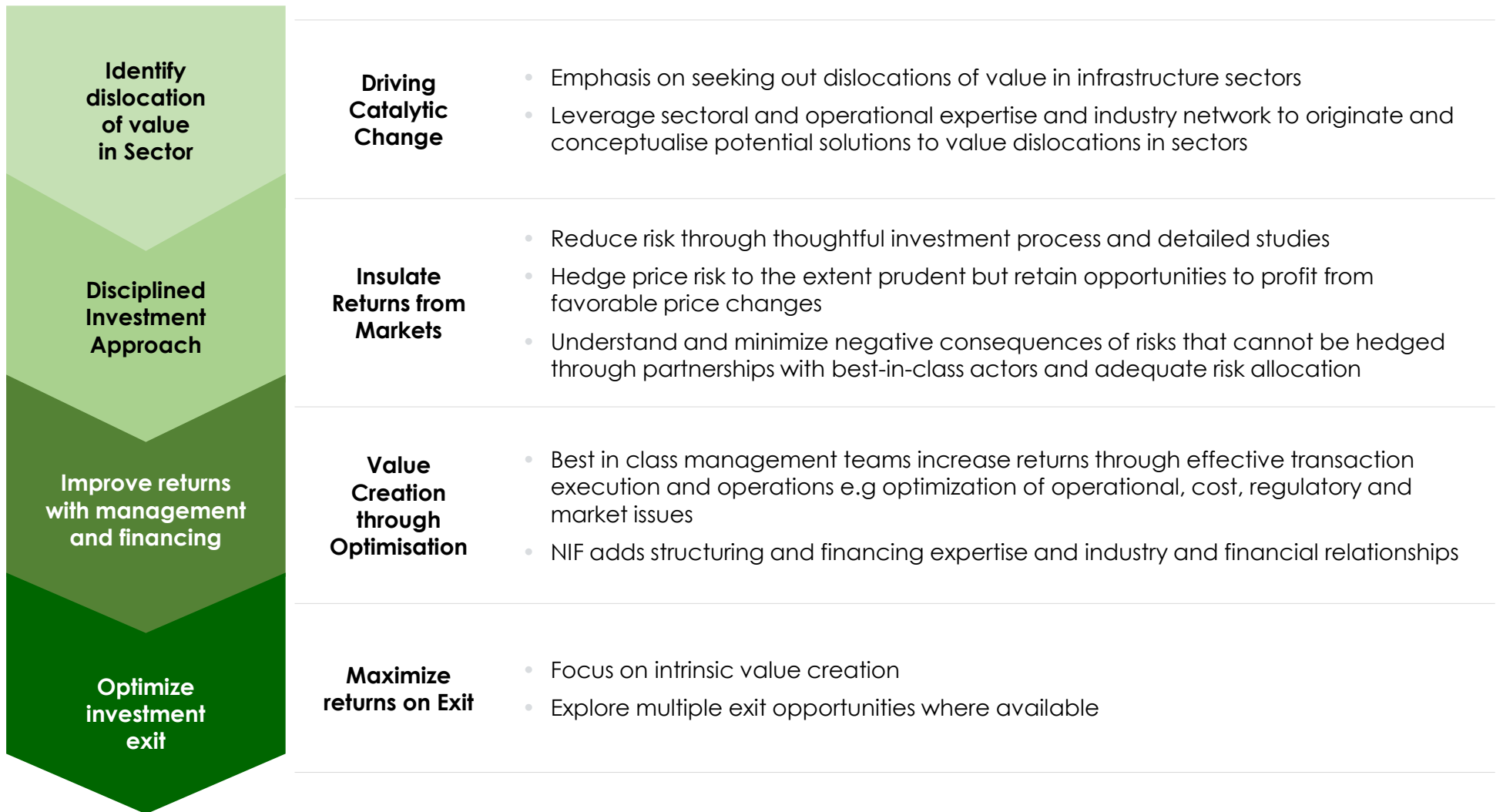
The Fund seeks to mitigate risks by diversifying its investments across various infrastructure sectors, ensuring no single project or sector disproportionately impacts the overall portfolio.



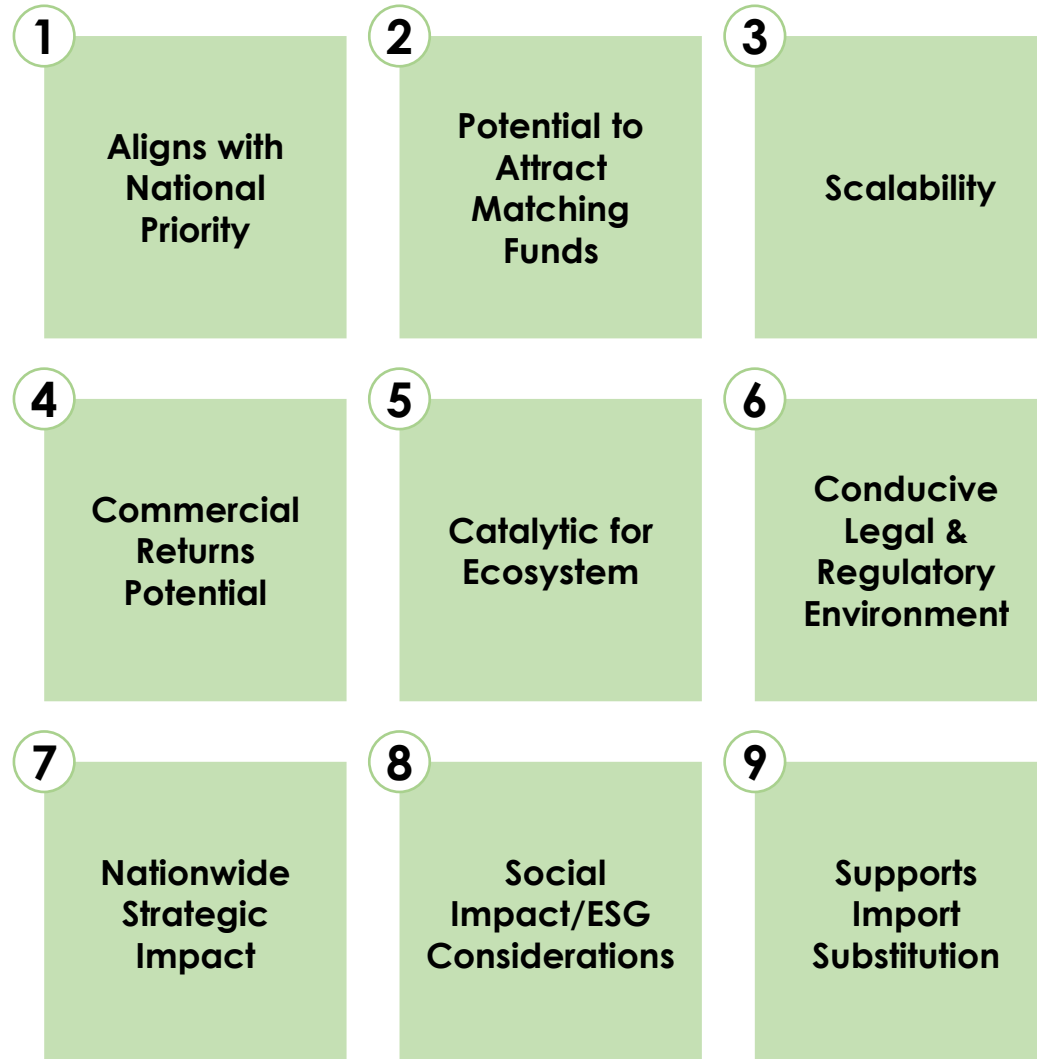
Tenor

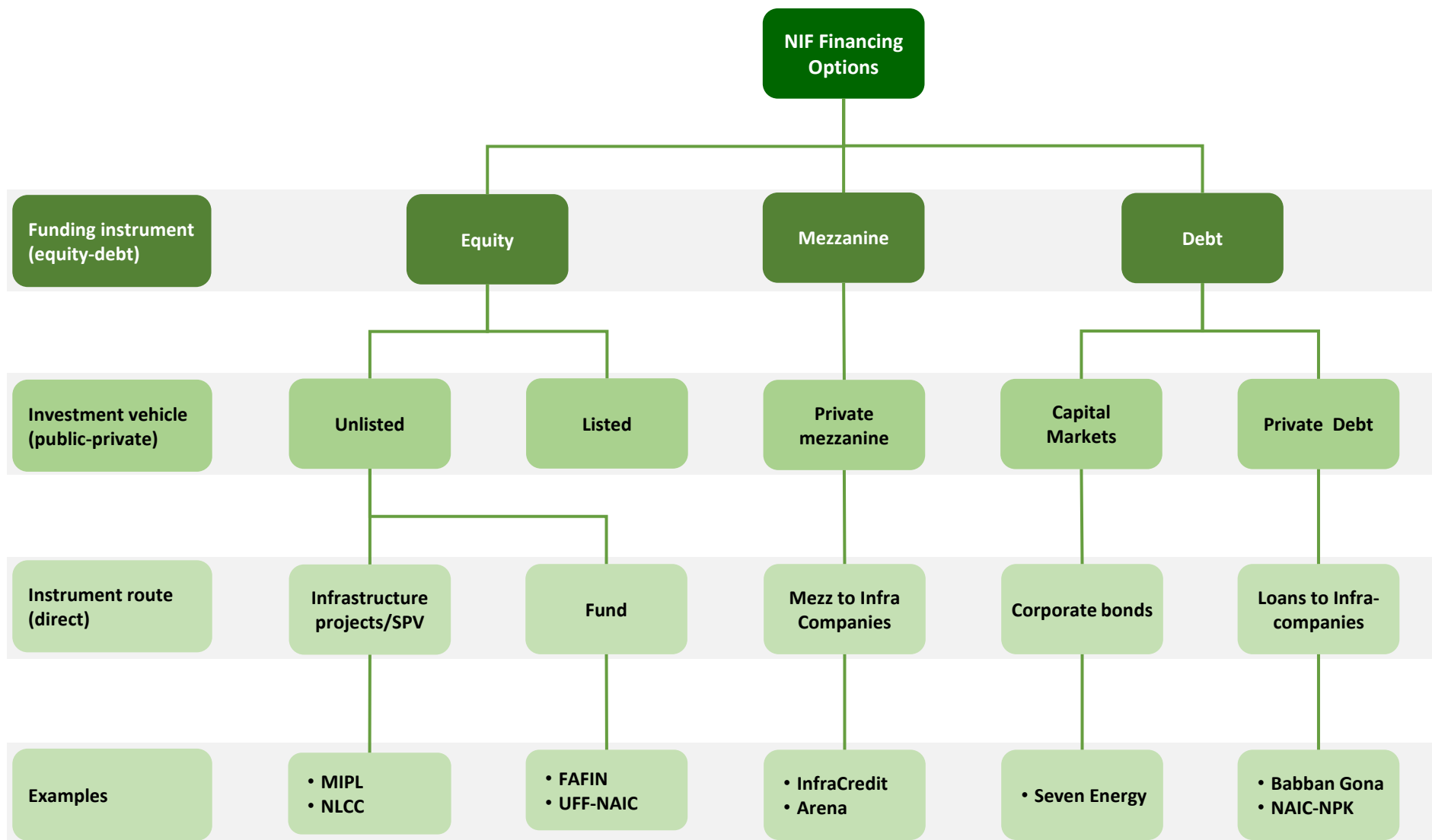
- Infrastructure financing in the Nigerian banking sector does not generally exceed 7 years, with rare exceptions of 12-15 years.
- These constraints do not inhibit the Fund, which is willing to finance on tenors more appropriate to the needs of infrastructure





Project Screening Criteria



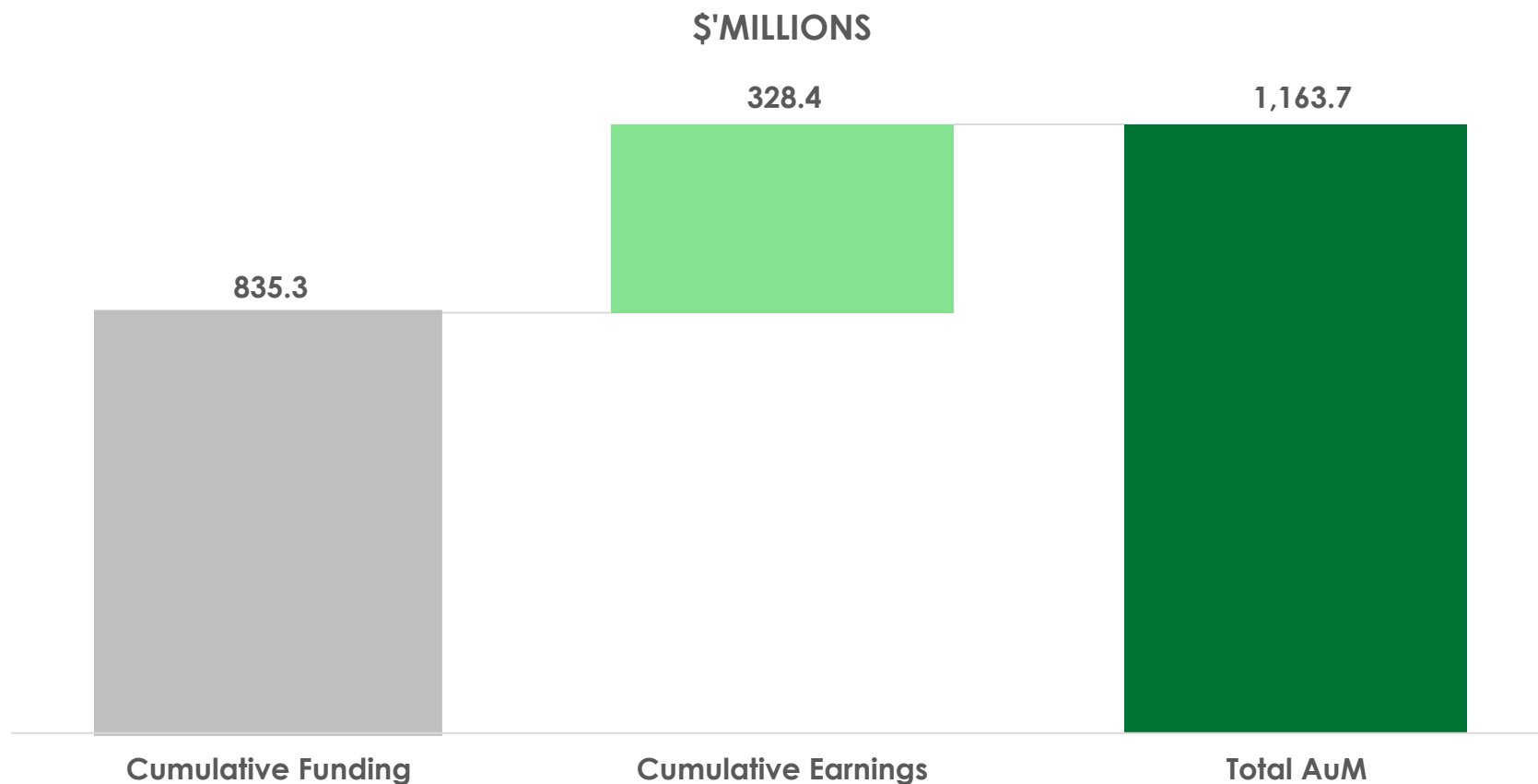




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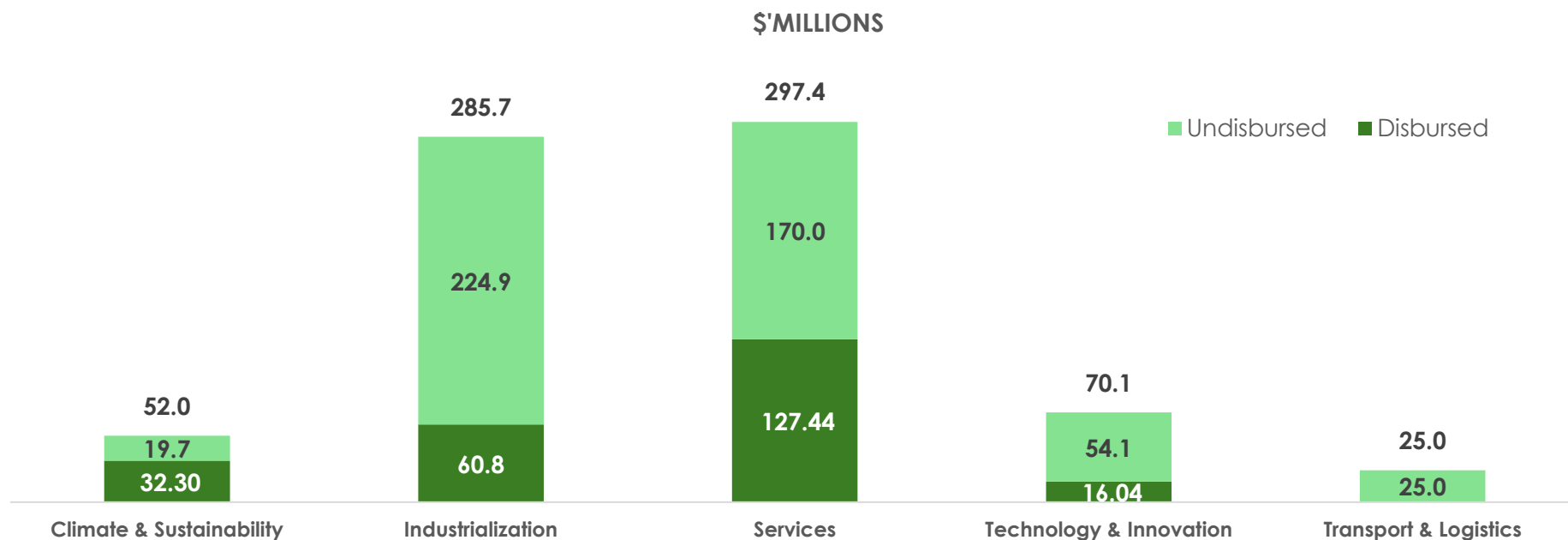
Fund Analysis

Total NIF Funding From Inception Till Date



- The NIF has received a total funding of \$835.3 million as of 30th August 2024
- The current total Assets under Management (AuM) for the NIF amount to \$1.16 billion, indicating a cumulative growth of \$328.4 million
- Compound Annual Growth Rate (CAGR) of 4.03% for the fund.

NIF Investments Across Themes



Climate & Sustainability

\$52.0 million committed to projects including

- FAFIN,
- UFF-NAIC Agri Fund,
- Babban Gona,
- Agriplus and
- NSIA Vitol ESG Fund

Industrialization

\$285.7 million has been pledged to the

- NSIA OCP MIPL project,
- RIPLE,
- PFI,
- Blue Energy Fund,
- NSIA-UAC Manufacturing Platform,
- Victoria Island Power

Services

\$297.4 million committed to projects including

- InfraCredit;
- CHD-NIDF;
- NG Clearing; NMRC;
- Arena; FHF; Diagnostic Projects;
- Medserve; Equilease;
- Bridge Int'l;
- Preparatory Facility
- NSIA talent development Program

Tech & Innovation

\$70.1 million allocated to projects including

- Kasi hyperscale datacenter, NPI
- MTNN ,
- NSIA-JICA Start Up fund,
- the National Single Window Project

Transport & Logistics

\$25.0 million committed to

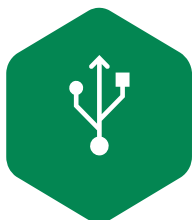
- project storage

The NIF has committed a total of **\$730.25 million** across various sectors since its inception. Of this amount, **\$236.54 million** has already been disbursed, and the remaining **\$493.71 million** is scheduled to be disbursed between 2025 & 2029.



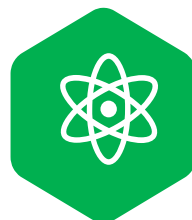
Industrialization

- **AMIP:** Secured approval to launch the Africa Manufacturing Investment Platform (AMIP) with in collaboration with UAC Plc.
- **VI Power:** secured approval to invest for a 24% stake in VIPL.
- **Blue Energy:** Secured Africa Finance Corporation's participation in the Blue Energy Sustainability Platform.
- **MIPL:** Concluded Technical Bid Analysis on the MIPL project.
- **Project Arise:** Secured approval to invest an Industrial Zone project.
- **Knowledge Zone:** Secured approval to invest in a State's Knowledge Zone project.



Technology & Innovation

- **NSIA Prize for Innovation:** Secured Draper University in silicon valley as a strategic partner; Completed NPI 2.0 demo day.
- **Kasi Cloud:** Secured approval to disburse additional debt and equity investment to Project KASI.
- **National Single Window (NSW):** President Tinubu inaugurated the project in April 2024; Finalized the governance structure of the project.
- **JICA-NSIA Innovation Fund:** Secured funding commitment from JICA to establish an onshore fund that will invest in the Nigerian Startup Ecosystem.



Services

- **Project Arena:** We successfully broke ground on the project
- **Infracredit:** NSIA retained its shareholding of 30.4% in the company by further investments via rights issue at ₦2.07/share.
- **Project Finance Warehouse Facility:** We recycled funding received from ACOB Lighting and MeCure respectively from the funding committed to the facility.



Climate & Sustainability

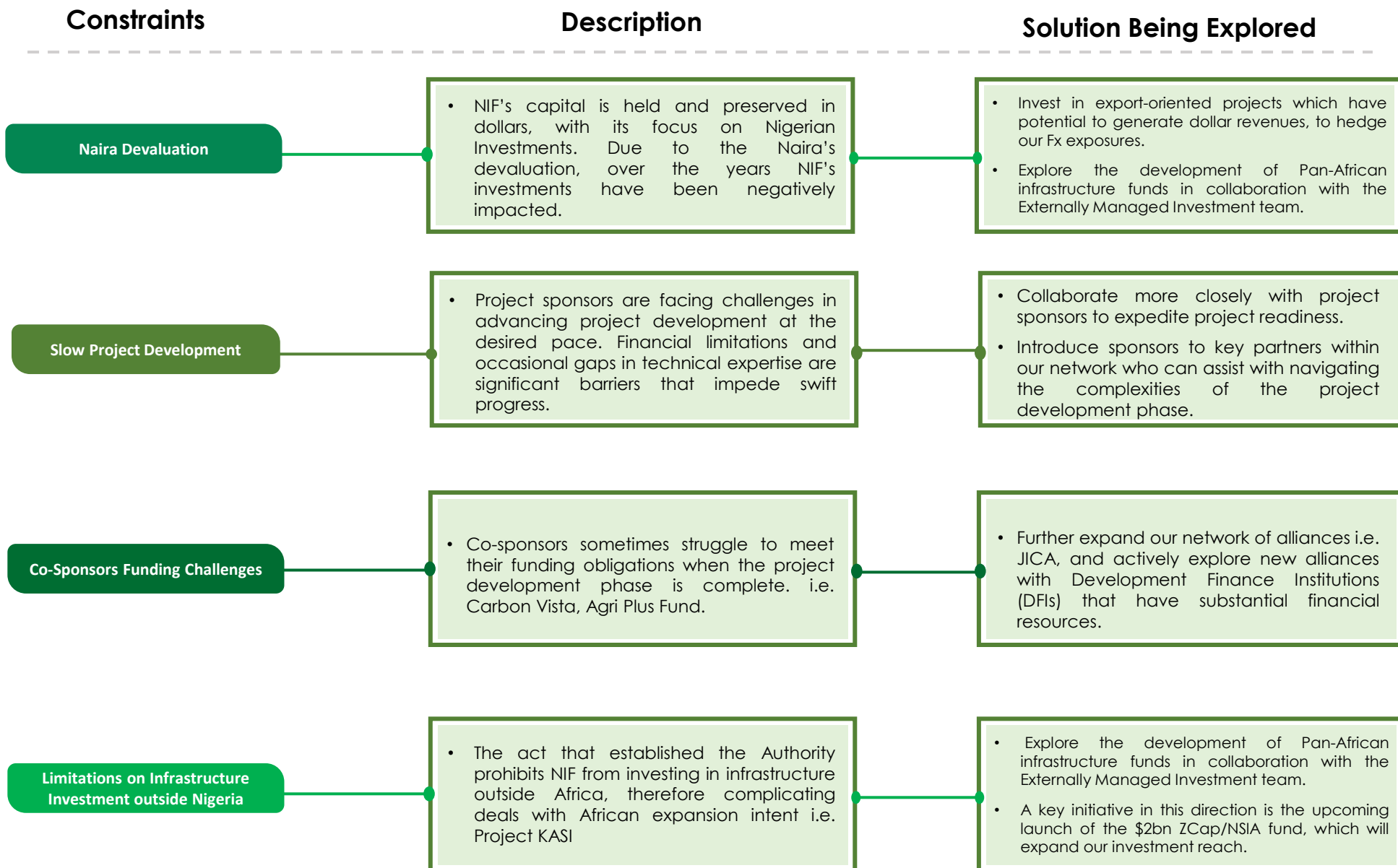
- **Project Gurara:** Completion of land preparation and refurbishment of centre pivots covering circa 400ha.



Transport & Logistics

- **Project Storage:** Obtained Approval to invest in the project.
- **Presidential Food Security Intervention:** Obtained Approval for the Presidential Food Security Intervention.

Constraint and Proposed Solutions





Section:

Projects Across Themes

Nigeria Infrastructure Fund (NIF) – Projects (1/3)

Sn	Project Name	Theme/Sector	Description
1	Chapel Hill - Nigeria Infrastructure Debt Fund (NIDF)	Services/Financial Infrastructure	Fund established to provide long-term senior and subordinated debt financing in local currency to commercially viable infrastructure projects.
2	NSIA-LUTH Oncology Centre	Services/Healthcare	Oncology Center co-located at LUTH with radiotherapy, chemotherapy and brachytherapy functions.
3	NSIA-FMCU Diagnostic Center	Services/Healthcare	An ultra-modern diagnostic center located at the Federal Medical Centre Umuahia (FMCU)
4	NSIA-AKTH Diagnostic Center	Services/Healthcare	An ultra-modern diagnostic center located at the Aminu Kano Teaching Hospital (AKTH)
5	Nigeria Mortgage Refinancing Company (NMRC)	Services/Financial Infrastructure	Private sector driven wholesale mortgage refinancing company, that seeks to provide affordable housing in Nigeria
6	Development Bank of Nigeria (DBN)	Services/Financial Infrastructure	Established to increase availability and access to finance for MSMEs and small corporates on a wholesale basis
7	UFF-NAIC Agri Fund (PandaAgric)	C.& Sustainability/Agriculture	UFF-NAIC Agri Fund is set up to explore opportunities in the Agriculture Project Panda entails a fully integrated maize and poultry feed production company located in the Panda local government area in Nasarawa State.
8	Fund for Agricultural Finance in Nigeria (FAFIN)	C.& Sustainability/Agriculture	Agriculture-focused private equity fund for agricultural SMEs across Nigeria.
9	Family Homes Fund Limited	Services/Financial Infrastructure	Provides concessionary financing for affordable housing projects across the country
10	Bridge International Academies Limited (Exited)	Services/Education	The largest chain of low-cost private schools in Africa, operating 500+ schools in Kenya, Uganda, Nigeria, Liberia and India.
11	NG Clearing	Services/Financial Infrastructure	Central Counter Party Clearing House established to intermediate the trading of derivative securities and commodities
12	Babban Gona (Exited)	C.& Sustainability/Agriculture	Social enterprise which creates economies of scale for smallholder farmers by franchising a network of cooperatives.
13	Infrastructure Credit Guarantee Company Limited (InfraCredit)	Services/Financial Infrastructure	Credit enhancement facility that enhances the credit quality of local currency debt issued to finance local infrastructure assets
14	Renewables Investment Platform For Limitless Energy (RIPEL)	Industrialisation/Energy	Support the identification and development of on-grid and off-grid solar ("photovoltaic") PV Plants.

Nigeria Infrastructure Fund (NIF) – Projects (2/3)

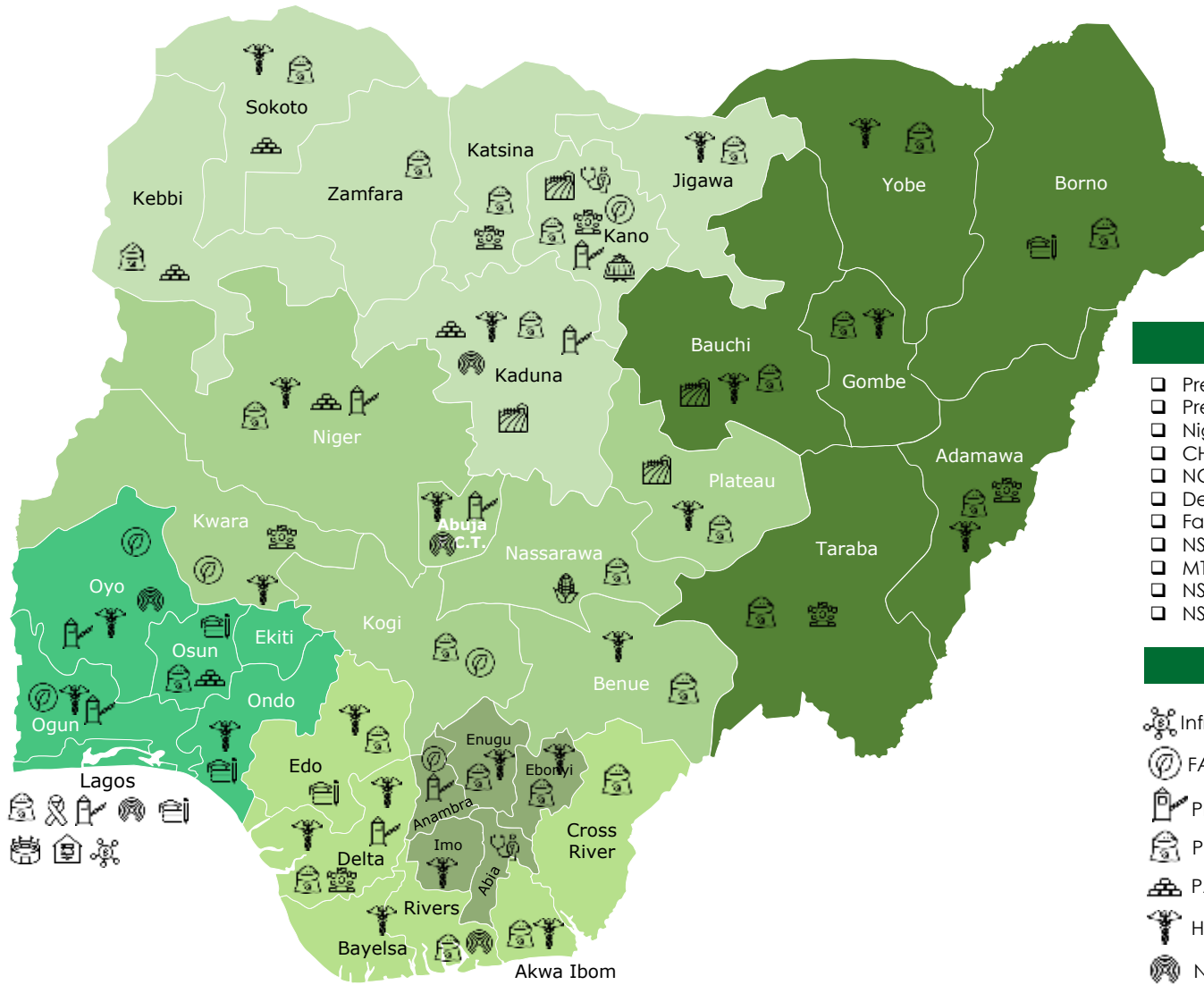


Sn	Project Name	Sector	Partners/Promoters	Description
(B) PRESIDENTIAL INITIATIVES				
15	Presidential Fertilizer Initiative (PFI)	C.& Sustainability/ Agriculture	-	Presidency, FEPSAN, CBN The PFI is aimed at delivering commercially significant quantities of affordable and high quality NPK fertilizer to farmer
16	Presidential Infrastructure Development Fund (PIDF)	Services/ Construction	-	Presidency, Julius Berger, RCC, FMoW Established to attract and aggregate capital for investment in i) Mambilla Hydro-Power Project, (ii) Lagos-Ibadan Expressway, (iii) Second Niger Bridge, iv) Abuja-Kano road, and v) East West road
17	10MW Kano Solar Project	Industrialization/ Energy	-	Presidency, Kano, FMoFBNP Development and operation of 10MW solar power project in Kano, Nigeria.
18	Presidential Food Security Intervention (“PFSI”)	C.& Sustainability/ Agriculture	-	Presidency, FMoF NSIA serves as a program manager for the in-country distribution & sales of imported grains (wheat & maize) to Millers to curb the rising prices
(C) FINANCIAL CLOSE - PROJECTS ACROSS THEMES				
I. TECHNOLOGY				
19	NSIA Prize for Innovation	Technology/ Innovation	Draper University	The NPI program represents a strategic, long-term initiative by the Nigeria Sovereign Investment Authority (NSIA) to foster and finance early-stage innovative solutions.
20	National Single Window	Technology/ Digitalisation	FIRS	The NSW Project is a pivotal initiative established to serve as a centralized trade platform for importers and exporters, enhance federal government revenue and drive economic growth
21	Kasi Cloud	Tech. & Innovatn/ Technology	DH Capital	Kasi Cloud Nigeria is an indigenous technology company that specialises in providing cloud computing solutions and data storage to businesses and organisations.
II. INDUSRIALISATION				
22	Multipurpose Industrial Platform Limited (MIPL)	Industrialisation/ Basic Materials	OCP Africa	MIPL aims to establish an integrated production plant for Ammonia & Phosphate-based fertilizers, with an initial capacity of 750K MT & 1m MT, respectively
23	Seven Energy <i>(Third Party managed)</i>	Industrialisation/ Energy	CDC, IDB, AIIIM	NSIA led restructuring of the upstream and midstream gas/oil company into Savannah Energy.
24	PAGMI <i>(Third party managed)</i>	Industrialisation/ Mining	SMDF	Financing of the implementation of the Artisanal Gold Mining Initiative
III. CLIMATE & SUSTAINABILITY				
25	Agri-Plus Grain Production Company	C.& Sustainability/ Agriculture	Signature	Gurara Irrigation Project (the “Project”) was conceptualized to utilize underexploited irrigation infrastructure on an expanse of land close to the Gurara Dam
26	NSIA-Vitol ESG Fund	Climate & Sust/ CRF	Vitol	Carbon Vista is a joint venture that was established by NSIA and Vitol S.A, to invest in a range of high integrity, socially impactful, carbon avoidance and removals projects.

Nigeria Infrastructure Fund (NIF) – Projects (3/3)

Sn	Project Name	Sector	Partners/Promoters	Description
FINANCIAL CLOSE - PROJECTS ACROSS THEMES (CONT'D)				
IV. SERVICES				
27	Arena	Services/Tourism	Metrowaves	Project Arena is a 10,000-seater multipurpose venue in Victoria Island, Lagos, for sports, concerts, conferences, and exhibitions.
28	Construction Finance Warehouse	Services/Financial Infrastructure	InfraCredit	The Construction Warehouse Facility, established by NSIA and InfraCredit, mobilizes climate finance for green infrastructure projects, using innovative mechanisms to attract institutional investors and mitigate risks.
29	Joint Project Preparatory Facility	Services/Financial Infrastructure	AfreximBank	NSIA and Afreximbank launched the Joint Project Preparatory Facility (JPPF) in 2022 to focus on critical sectors including Agro-processing, Power, Renewable Energy, Healthcare, and Technology.
30	Healthcare Diagnostics Expansion Program	Services/Healthcare	States, OEMs	Expansion of NSIA's existing diagnostic – via the establishment of 22 diagnostic centres, 2 Oncology centres and 6 Cath Labs

Broad Geographic Spread of NSIA's Investments



Nation-wide projects

- ❑ Presidential Infrastructure Development Fund (PIDF)
- ❑ Presidential Fertilizer Initiative (PFI)
- ❑ Nigeria Mortgage Refinancing Company (NMRC)
- ❑ CHD Nigeria Infrastructure Debt Fund
- ❑ NG Clearing
- ❑ Development Bank of Nigeria
- ❑ Family Homes Funds (FHF)
- ❑ NSIA Renewable Energy Platform (NREL)
- ❑ MTN Nigeria
- ❑ NSIA Prize for Innovation (NPI)
- ❑ NSIA Young Leaders Program (NYLP)

Legends

- | | |
|-------------------------|-------------------|
| InfraCredit | Babban Gona |
| FAFIN | Diagnostic Center |
| PIDF | Panda Novum |
| PFI | Cancer Center |
| PAGMI | Kano Solar |
| Healthcare Expansion | Bridge Academies |
| Nigerian Private Equity | Kasi Data Center |
| NYLP | Arena |



Section:

Case Studies

(Live Projects)

Overview



- Commissioned in May 2019 with 3 linear accelerators.
- Provides chemotherapy and radiotherapy services



- Commissioned in March 2020
- Provides comprehensive radio-imaging and laboratory diagnostic services



- Commissioned in August 2020
- Provides comprehensive radio-imaging and laboratory diagnostic services

- The NKDC and NUDC have made significant strides in the early detection and diagnosis of diseases. By introducing advanced screening techniques, enhancing diagnostic accuracy, and expanding regional outreach, these centers have successfully diagnosed a combined total of 205,998 clients as at Jan 2024.

- The NLCC stands as a beacon of hope, as at Jan 2024, it has treated over 9,000 cancer patients with a personalized and comprehensive approach. Utilizing cutting-edge treatment modalities such as chemotherapy, radiation, and targeted therapy, NLCC focuses on the individual needs of each patient.

242,630
Number of clients diagnosed

10,400
Number of unique cancer patients treated

200
Number of medical personnel employed

>6,500
Hours of training provided

- The centres have provided direct employment:
 - NLCC: **96 persons**;
 - NKDC: **51 persons**
 - NUDC: **50 persons**
- The centres have also generated over 360 indirect employment.

- As part of the investment in NLCC, a training centre was established to build capacity in radiation treatment delivery for current and future clinical professionals in the country.
- Also, each centre has seminar rooms that are made available to residents from the respective federal healthcare institutions, for regular seminars.

Demonstration Projects

In keeping with its strategy of Proof of Concept/executing demonstration projects, NSIA is set to replicate these institutions across Nigeria within the healthcare sector.

The initial centres have operated for five years now and have become self-sustaining.

Expansion Programme

- The NSIA is undertaking an expansion of its Healthcare program which aims to establish:



- **23 new modern medical diagnostic centers:** which will provide modern Radiology and Pathology services.



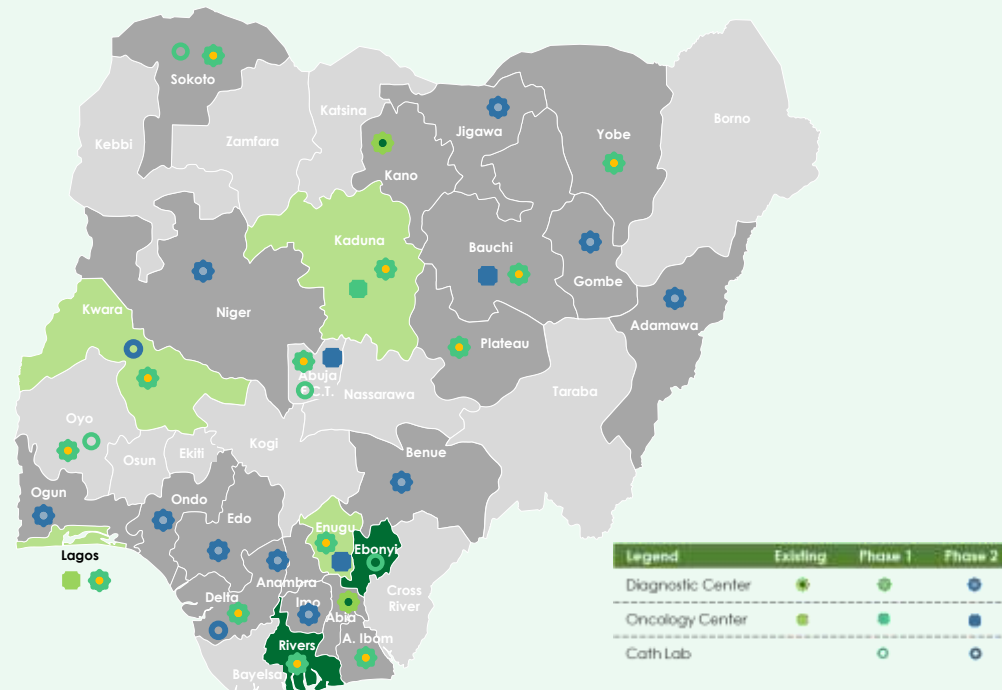
- **3 Oncology centres:** which will provide accessible, reliable, quality and comprehensive Oncology services to further the nation-wide fight against cancer.



- **7 Cath Labs:** one in each geo-political zone of the country. The Cath labs will be utilized to (i) visualize the arteries and chambers of the heart, and (ii) treat any stenosis or abnormality found.

Geographical Locations

The centres will be dispersed across the country in a manner that, amongst other considerations, facilitates equitable geographic access by all Nigerians. as shown in the map below:



4 Diagnostic centres in each geo- political zone and the FCT



1 Cath lab in each geopolitical zone and the FCT



1 Oncology centre in each region and the FCT

Project Overview

- The NSIA in partnership with MIPL Morocco seek to develop an integrated Ammonia and fertilizer production plant that will benefit both Nigeria and the Kingdom of Morocco by commercializing Nigeria's vast natural gas resources and satisfying Morocco's demand for cost-competitive Ammonia.
- The \$1.4 billion Project will be developed to produce 1.5 million tons per annum ("MTPA") of Ammonia in two phases. 60-70% of the Ammonia produced will be allocated for export to Morocco, while the excess will be routed for the production of Di-Ammonium Phosphate and NPK fertilizers to feed domestic demand. The Project will require about 150 million standard cubic feet ("MMscf") of gas for both phases.
- The Project will be sited in Ikot Abasi, in Akwa Ibom State (AIS) on a 250 Hectare ("Ha") parcel of land, with a projected operations commencement date of Q2 2025.

Partnership Objectives



Develop an Ammonia Plant

- Transform Nigerian gas to create and capture value added locally.
- Secure long-term supply of Ammonia to OCP.



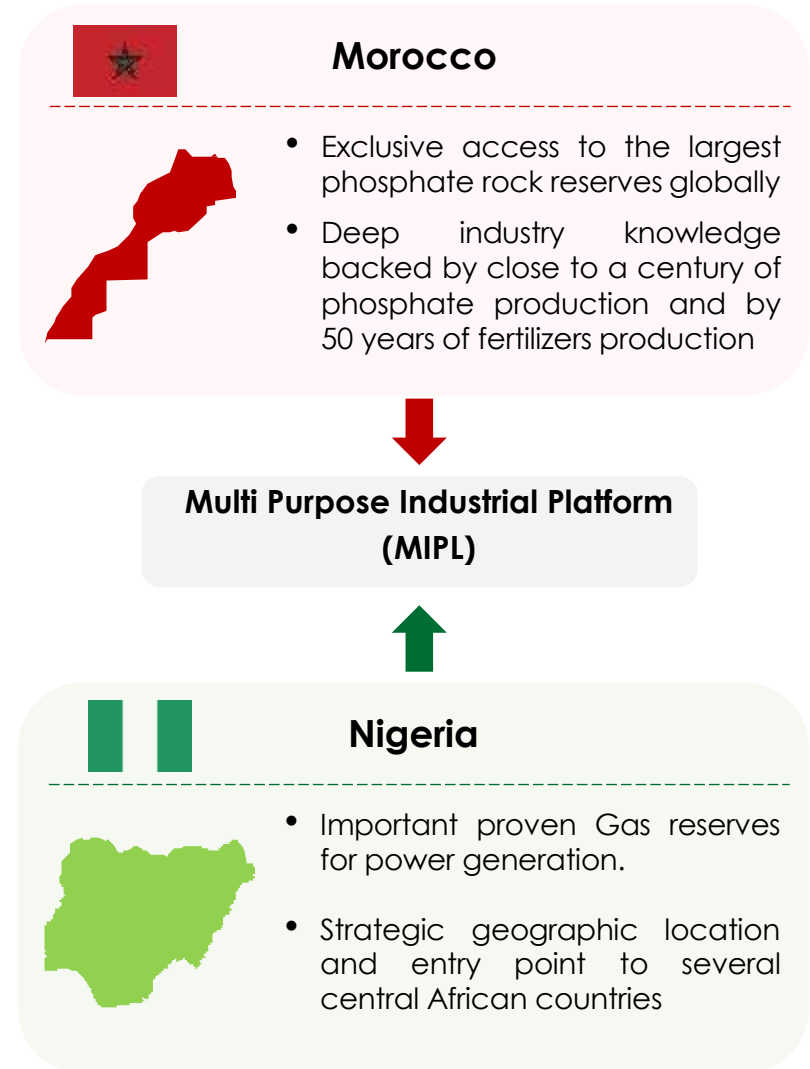
Develop a Phosphate-based fertilizer production capacity

- Secure supply of quality fertilizer to Nigerian market and meet the growing demand.
- Support the import substitution program engaged by Nigeria.



Develop agriculture in Nigeria and elevate bottlenecks.

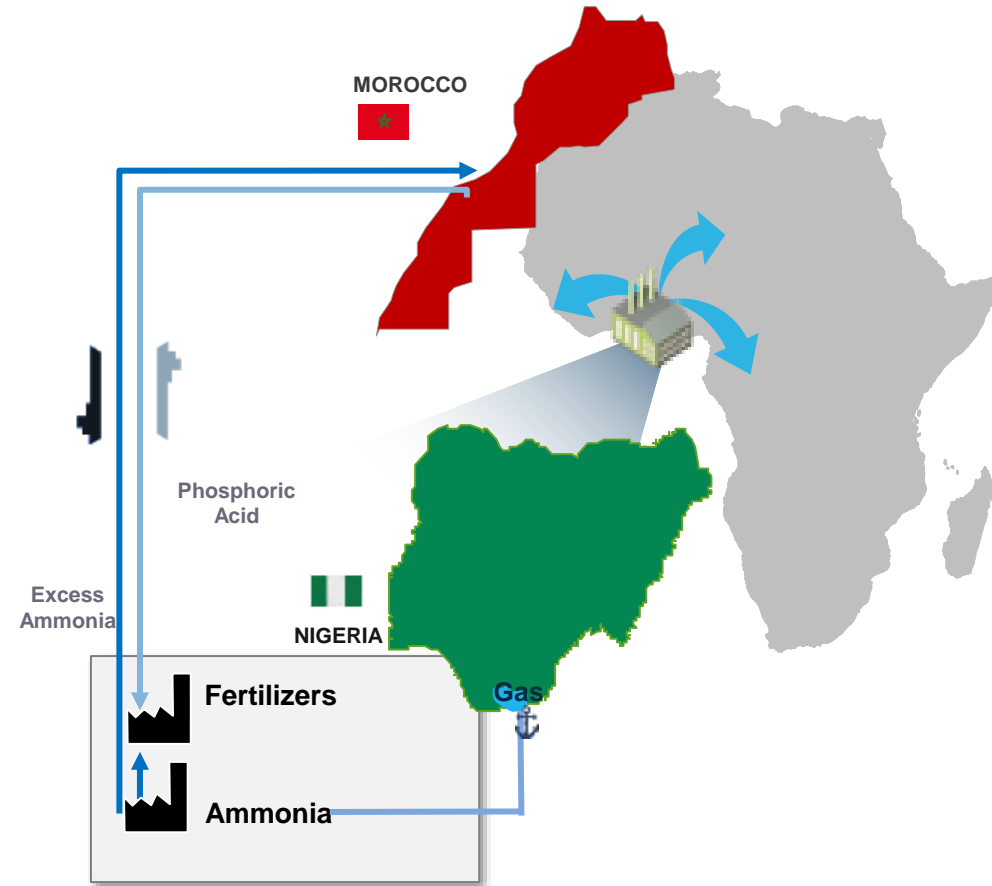
OCP and NSIA: Supporting the Presidential Fertilizer Initiative (PFI) in supplying Fertilizer Producers & Suppliers Association of Nigeria (FEPSAN) blending plants with quality fertilizers inputs.



Project Features

Project Sponsors	<ul style="list-style-type: none"> Nigeria Sovereign Investment Authority (NSIA) (50%) OCP (50%)
Project Phase	<ul style="list-style-type: none"> Development
Project Financing Structure	<ul style="list-style-type: none"> Debt : Equity – 70% : 30% (proposed initially)
Project Scale	<ul style="list-style-type: none"> Phase 1: Ammonia @ 750 KMTY & DAP/NPK/TSP @1 MMTY Phase 2: Ammonia @ 750 KMTY
Project Location	<ul style="list-style-type: none"> Ikot Abasi, Akwa Ibom
Land Requirement	<ul style="list-style-type: none"> 250 Ha (Phase 1 & 2)
Gas Requirements	<ul style="list-style-type: none"> ~ 80 MMscf/day (Phase 1) & +70 MMscf/day (Phase 2)
Target Start of Production	<ul style="list-style-type: none"> H4 2027 (Phase 1) Phase 2 execution subject to market study input
Ammonia Offtake	<ul style="list-style-type: none"> OCP Morocco (60% to 70%); the balance to be converted to fertilizers.
Technical Consultant	<ul style="list-style-type: none"> JESA

Partnership Objectives

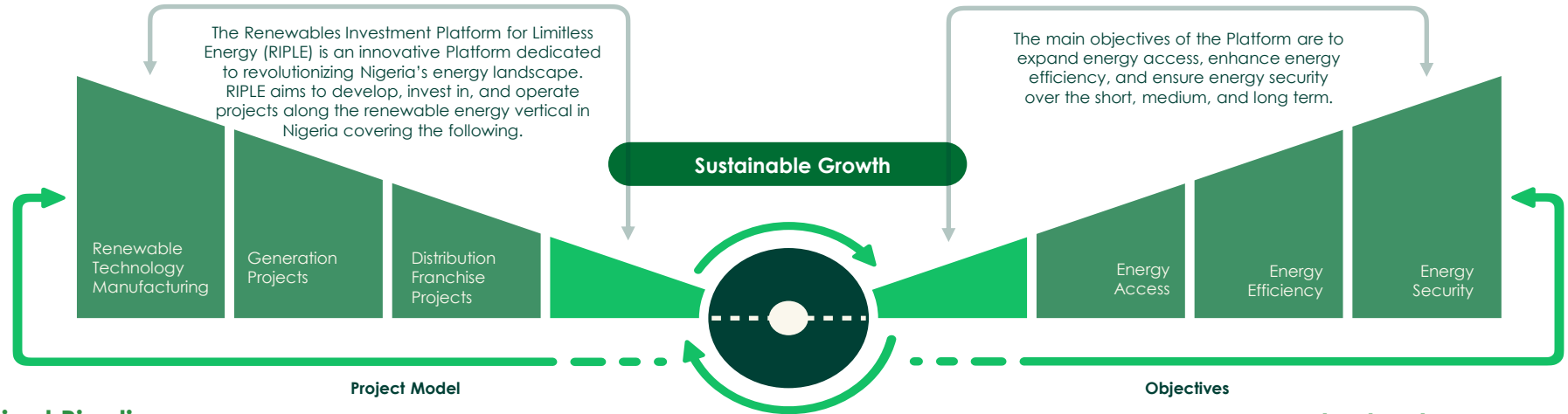


Updates

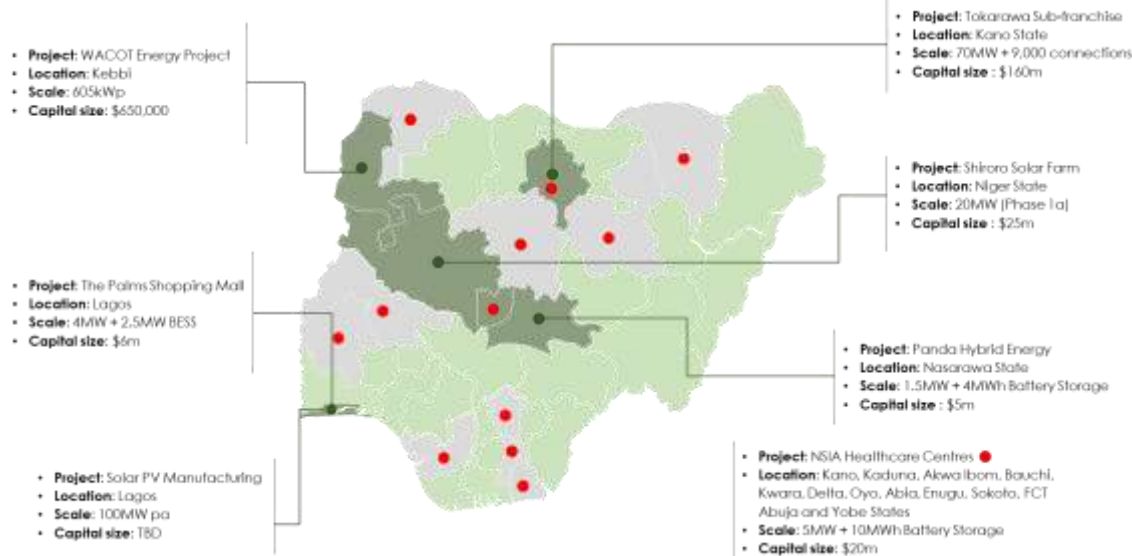
- Technical bids received.
- EPC Terms Sheet negotiations between MIPL and the bidders Orascom & Chengda/Intecsa
- Selection process for the PMC launched.
- Technical engagement with NCDMB ongoing

Case Study – RIPLE

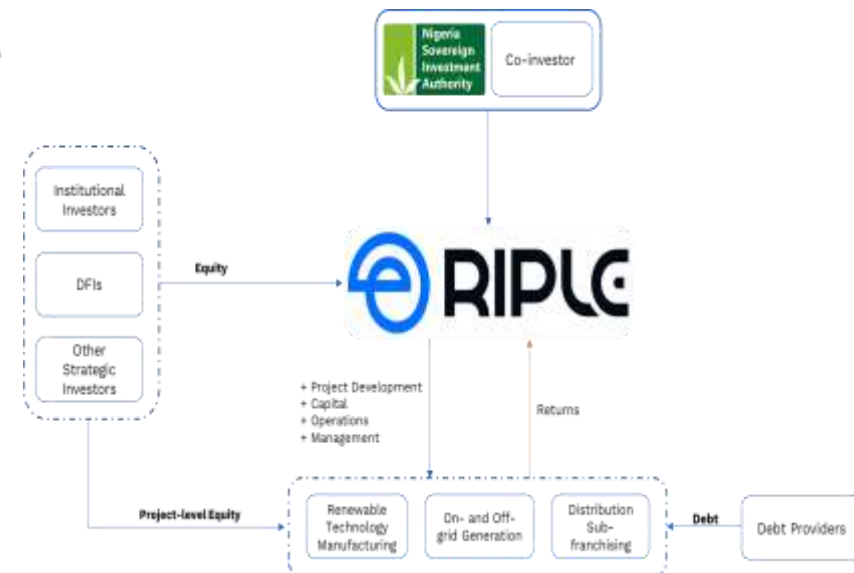
- RIPLE was officially launched in November 2023, which also saw it signing its first collaborative agreement with the IFC, to develop distribution sub-franchise projects across Nigeria.
- RIPLE is set up as an investment holding company anchored by a \$25 million capitalization from NSIA.



Project Pipeline



RIPLE corporate structure





Thank you

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