



P-CNGi

...Moving the Nation Cheaper and Cleaner

PRESIDENTIAL COMPRESSED NATURAL GAS(CNG) INITIATIVE

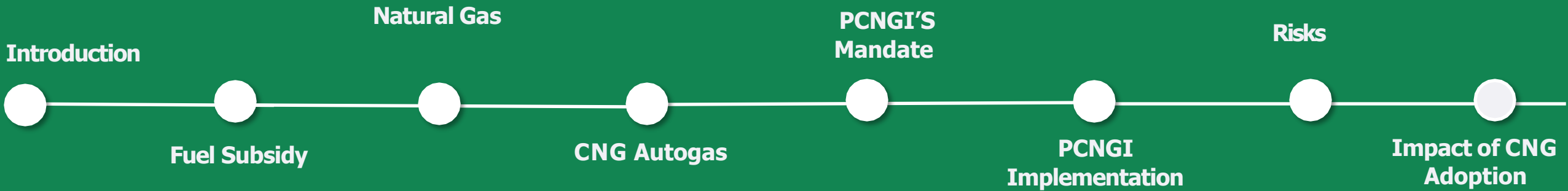
SHARING OUR LESSONS

A Brief by the Presidential Compressed Natural Gas Initiative to the 6th Africa Risk Management Meetings, Abidjan

ENGR. MICHAEL OLUWAGBEMI, PROGRAM DIRECTOR/CHIEF EXECUTIVE

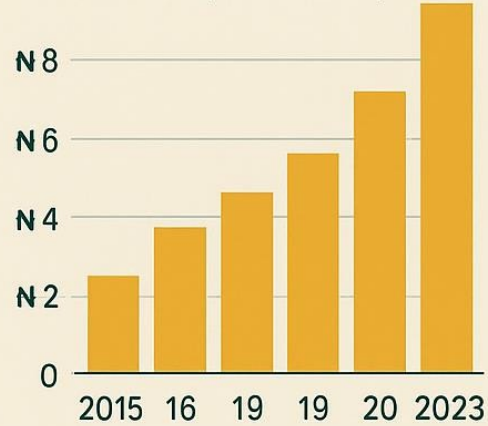
JUNE 2025

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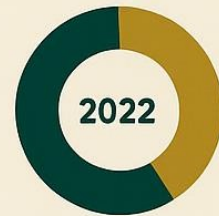


ENORMOUS FISCAL DRAIN

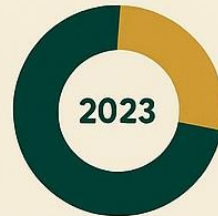
Subsidy spending skyrocketed from N 4.4 trln in 2015–61 1.4 trn under Buhari (2015–2023)



2022: Budget deficit reached N11.54 trillion (-5.05% of GDP), with subsidies to blame for overshoot



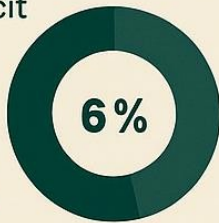
N2.74 trillion paid vs 0.6 trn earned in



N3.36 trillion (first half) oil revenue

BUDGET WOES & GROWING DEFICITS

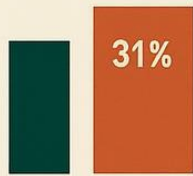
2023: budget deficit as percentage of GDP for 2023



Debt projections to hit 43% of GDP by 2027



Inflation rates soared near +50%



Food inflation



Price prices tripling

JOB LOSSES & BUSINESS STRAIN

SMEs, which employ a 45% of workforce, hit hard

Projected unemployment for 2023



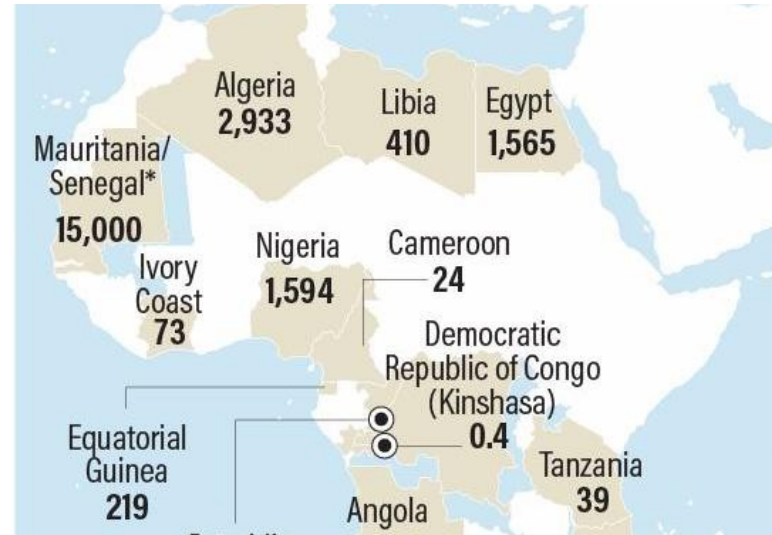
2023 projected unemployment near 50%



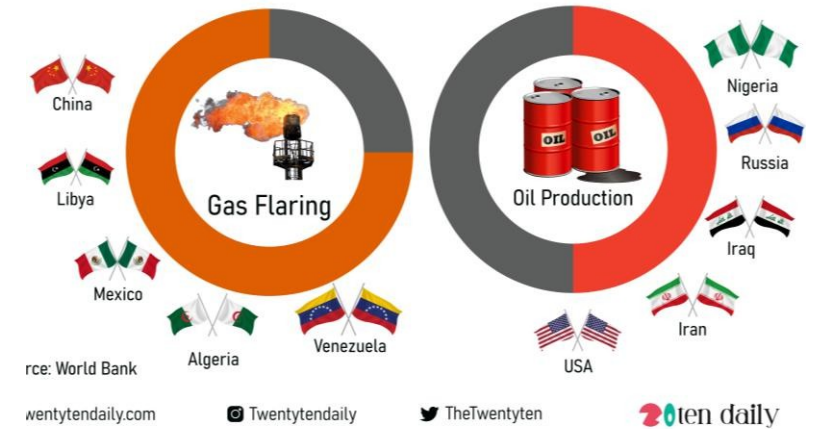
FUEL SUBSIDY – NIGERIA'S ALBATROSS

As at 2023, Nigeria was expending 1 trillion naira a month (\$1.5 billion) to subsidize the importation of 75 million + Liters of Petrol despite producing 1.2 million barrels per day of crude oil and sitting on enormous gas resources

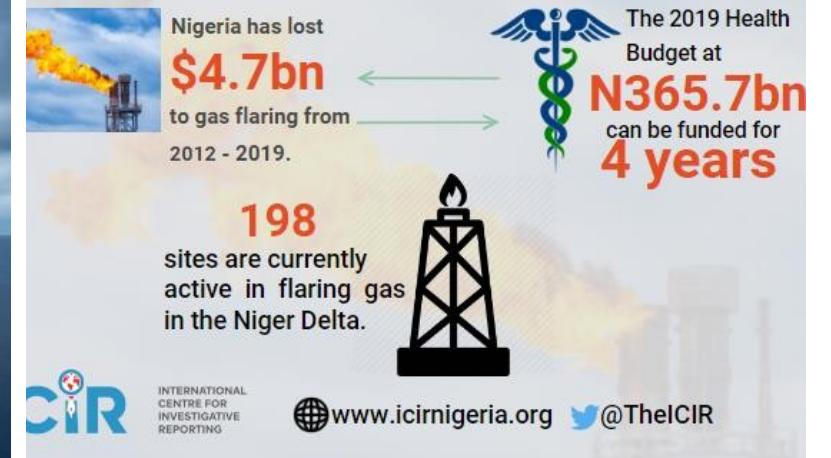
NIGERIA'S NATURAL GAS WEALTH



These 10 countries account for 75% of Global Gas flaring, 50% of Oil Production



Opportunity cost of gas flaring



CNG Autogas Opportunity

Infrastructure Requirement



Proposed Infrastructure	L-CNG Stations	48	LCNG Facilities for LNG Regasification to CNG (3 per SD in Non Core States)
	CNG Stations	2,322	CNG Filling Station (3 per LGA)
	Conversion Workshops	3,000	Vehicle conversion workshops (1 per LGA)
	LNG/CNG Transportation Trucks	500	LNG and CNG Trucks
Vehicle Conversion Target	Conversion Kits	1 Million	Vehicle Conversions

It is estimated that about 75,000 Direct Jobs could be created and an additional 300,000 indirect jobs

PCNGI'S Mandate



01

INCENTIVIZE ADOPTION

The PCNGI role is to incentive adoption of CNG for Mobility, by **deploying & financing CNG Vehicles** for Mass Transit , **distributing CNG Conversion Kits** at discount and providing conversion incentives including training.

02

FACILITATION OF INVESTMENTS

The PCNGI role is to facilitate investments in the CNG sector to plug the **Conversion Workshop, Infrastructure** and **CNG supply** gap that exists across the country to accelerate access to CNG and thus cheaper transportation

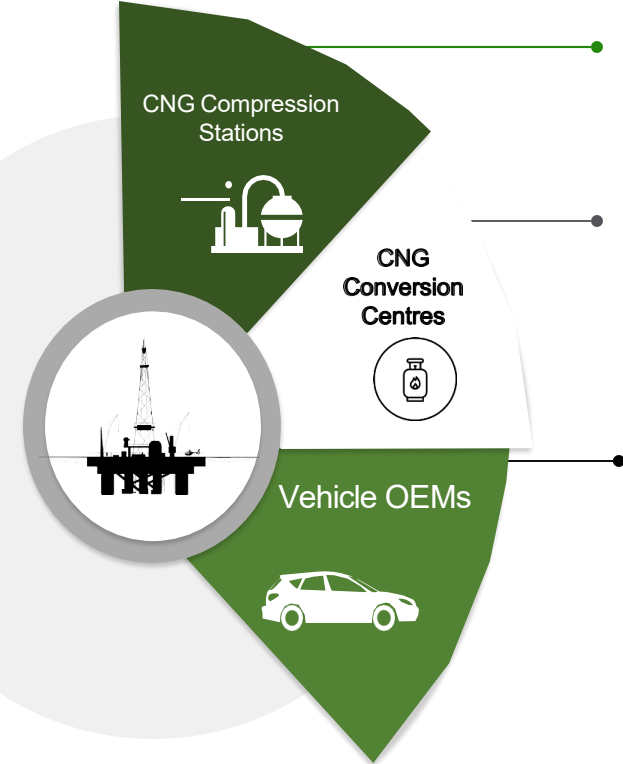
03




REGULATE FOR GROWTH

The PCNGI is to enable the process for CNG to ensure **ZERO** **INCIDENT** while enabling rapid adoption and promoting **RELIABILITY, SAFETY** and **INTER OPERABILITY**



State of Play on Oct 1, 2023

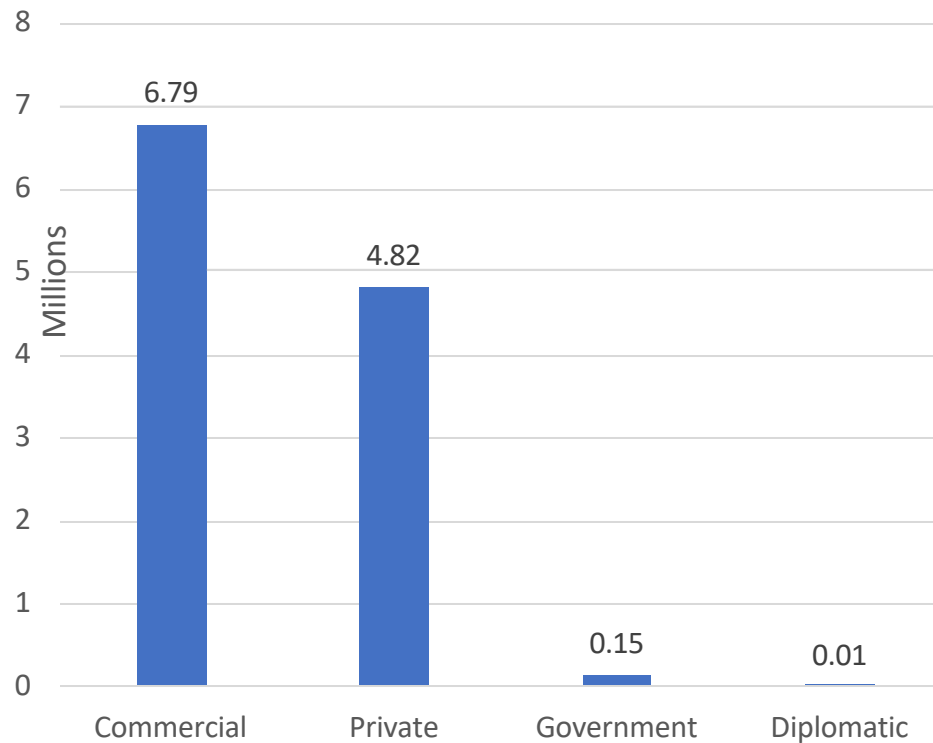


CNG INFRASTRUCTURE MAPPING																																					
INFRAS.	Abia	Adamawa	Akwa Ibom	Anambra	Bauchi	Bayelsa	Benue	Borno	Cross River	Delta	Ebonyi	Edo	Ekiti	Enugu	FCT	Gombe	Imo	Jigawa	Kaduna	Kano	Katsina	Kebbi	Kogi	Kwara	Lagos	Nasarawa	Niger	Ogun	Ondo	Osun	Oyo	Plateau	Rivers	Sokoto	Taraba	Yobe	Zamfara
		1							1		2			1				1				5		3		7					2						
		1							1		6			1				1				2				6			1		1						
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Mother/Compression Station (MS/CS)	23
Refueling Station (RS)	20
Conversion Workshop (CWS)	7

* include campuses at PILOT
**MOU SIGNED WITH PARTNERS

Nigeria Vehicles Count & Autogas Focus Areas



57.70%

40.98%

1.27%

0.05%

Autogas penetration to primarily focus on commercial transport segment



- Big Urban Metros (FCT, Lagos, PHC, Kano & Select state capitals)



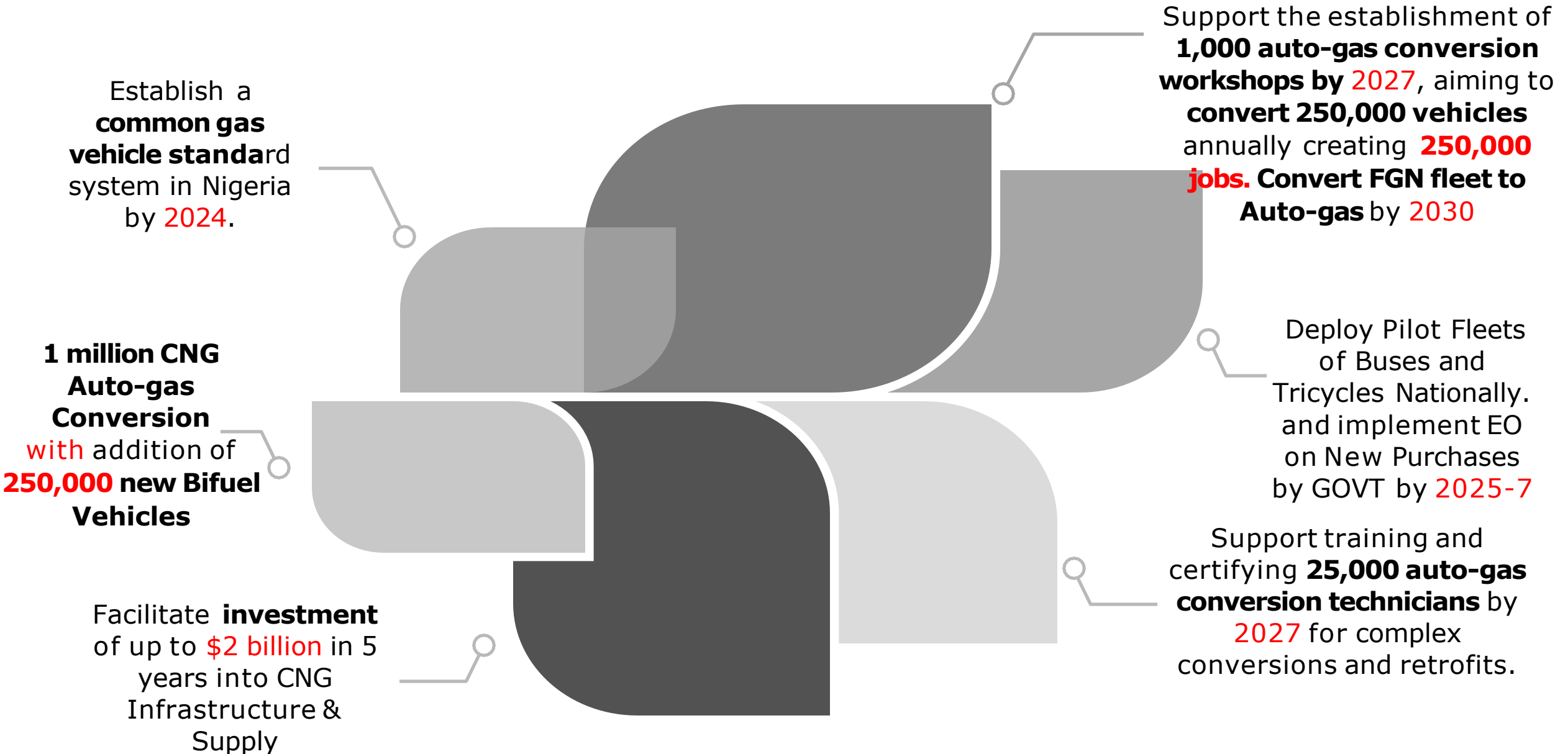
- Inter-state travels including conversion of State Mass Transit
- Intra city services primarily in State Capitals & Select LGAs



- National deployment across LGAs

Globally, there are 27.4 million natural gas vehicles (NGVs running on CNG & LNG) led by China (25%), Iran (18%), India (12%), Pakistan (11%) and Brazil (7%) based on IANGV data (2018)

PCNGI's Key Implementation Goals



TOP RISKS

“One INCIDENT during the adoption process is TOO MUCH. Safeguard requires guiding the quality of CONVERSIONS & POLICING the System leveraging TECHNOLOGY. ”

1

Safety Incidents

2

Procurement Failure

3

Disinformation Campaign

4

Security Breach at Sites

5

Equipment Failure

6

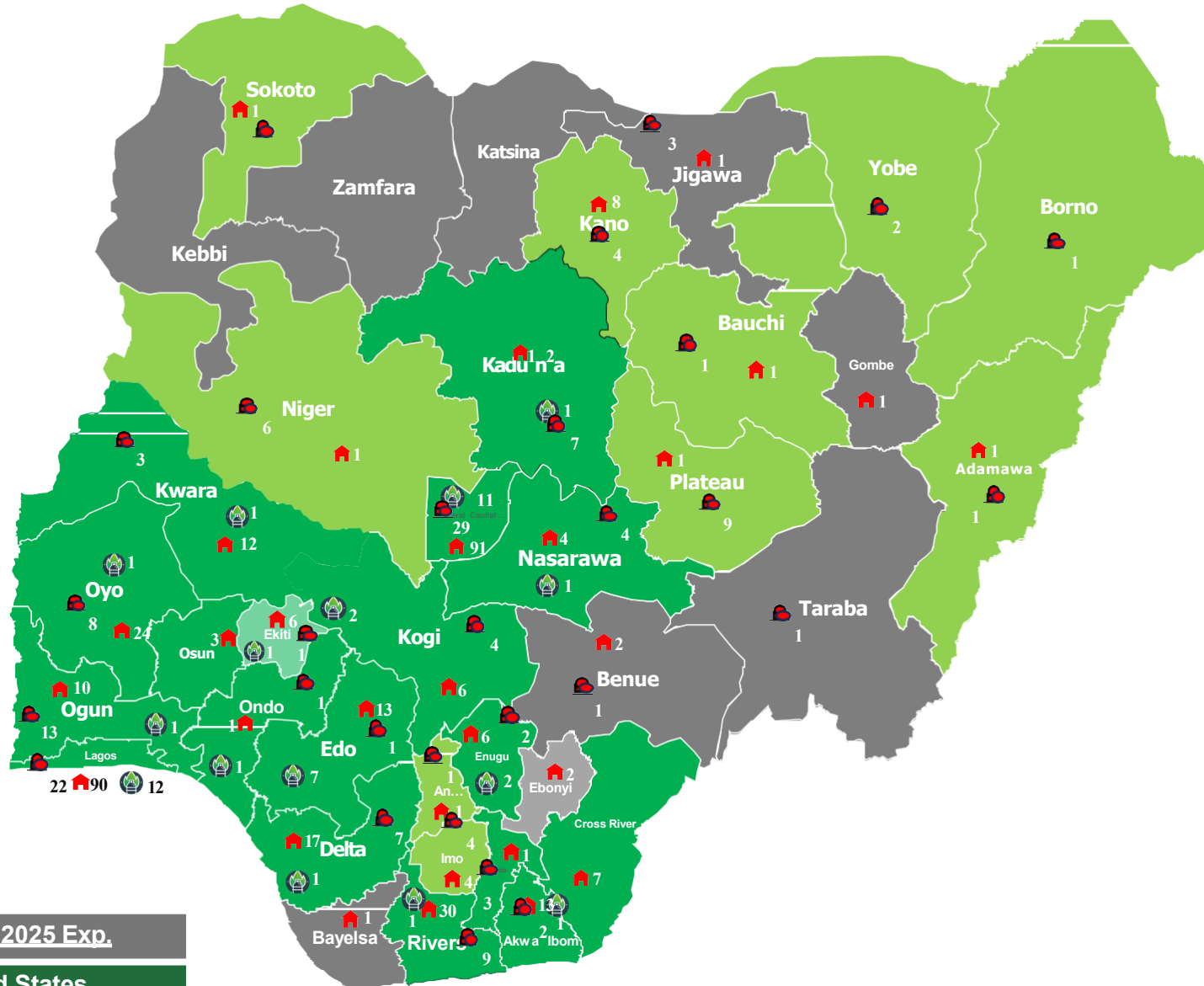
Logistics Delay (Port & Delivery)




Key Mitigations are: Proactive Planning & Measures, Strong Team & Rapid Response. Infrastructure & Gas Availability is a Challenge but **INVESTMENTS** can resolve it with **GOOD POLICY**.

Impact of PCNGI in 12 Months

250+	100k+	20	5,995	5500+
New Conversion Centres Deployed. 110 in CIP	Kits Acquired for PCNGI by FMOF	States & 6 Regions with CIP Implementation & 40k CNG Vehicles from 4k	CNG & EV Platforms (Buses & Tricycles) acquired via MoF with >10% deployed	Conversion Technicians Trained
\$500m+	175+	65	5	86
Investments Mobilized in CNG Sector in Infra, Conv Centres, Mfg. Projects & Platforms	New Daughter Stations in Devt. with 30 in Operations & 34 Pending	Mother Stations in various stages of Devt. 28 Operational	Programs Launched to Incentivize CNG Adoption. Incl. CIP, CALM, Fare Reduction, Refuelling On-lend	Standards Launched with SON & Nigeria Gas Vehicle Monitoring System under Devt.

PCNGI's National FootPrint



-  Conversion Centres
-  Active Refueling Stations
-  Proposed/Incoming Refueling Stations

	PCNGI Planned 2025 Exp.
	PiCNG Activated States
	Ongoing PCNGI Projects

Currently Active in 20 states, 11 States are set to Join the PCNGI Footprint in the next 6-9

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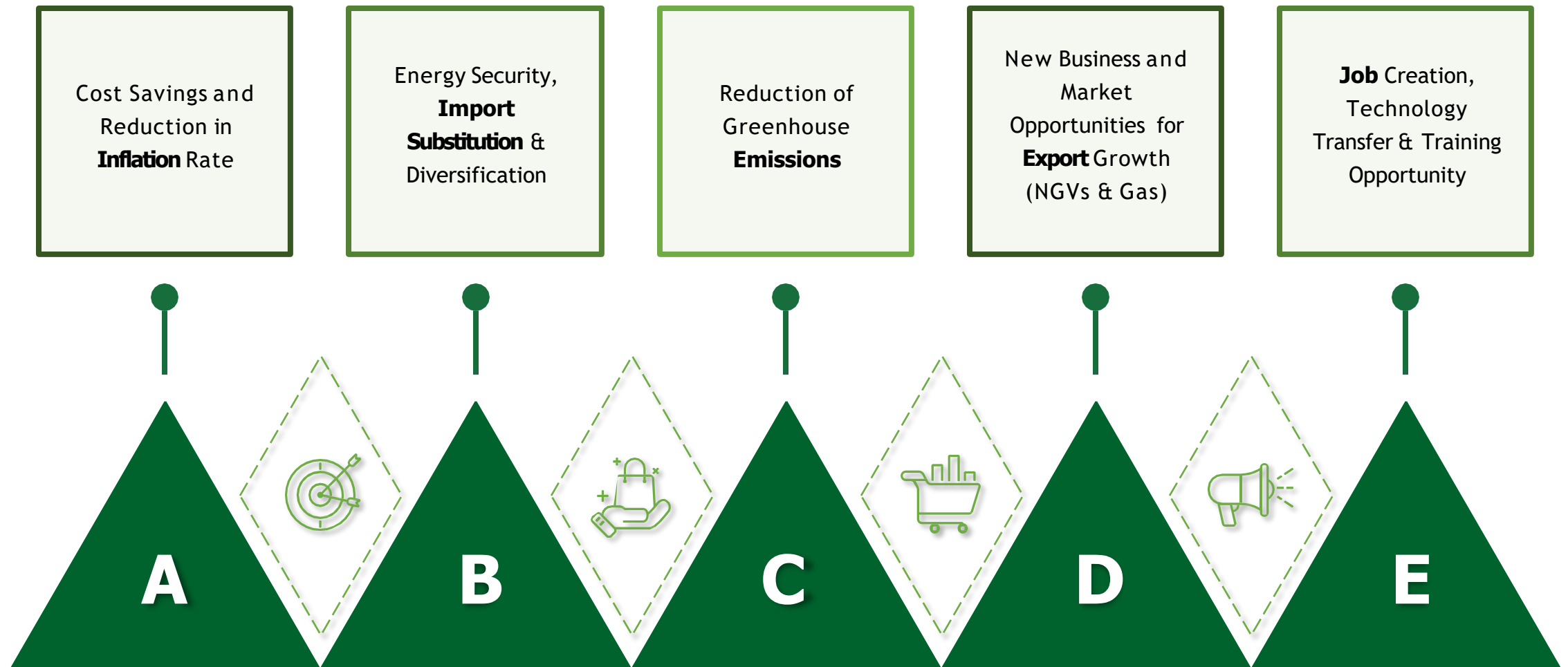
THE PCNGI ROADMAP

S/No	Metric	2023	2024-Targets	2024- Achieved*	2025 -Proposed	Targets 2027
1	No. of Conversion Centers/Affiliated	7	100/10	193/110	500	1000
2	No. CNG Kits Acquired for PCNGI	2,000	150,000	93,845	250,000	1,000,000
3	No. of Cars Converted by PCNGI CCs	N/A	N/A	1,440	100,000	500,000
4	No. of CNG Refueling Stations	20	250	50	125	1000
5	No. of CNG Mobile Refueling Unit	-	N/A	7	75	500
6	No. of Modular CNG Refuelling Units	-	N/A	1	50	1000
7	No. CNG Mother Stations	23	N/A	4	20	50
8	No. of Mini-LNG in Devt.	N/A	1	4	10	8
9	No. of CNG Buses Procured/Operational	-	850/850	807/334	1200/800	5,000
10	No. of CNG Tricycle Procured/Operational	-	9,000/5,123	5,123/1,500	10,000/7,500	20,000
11	No. of Training Institute/Centers	-	N/A	3/33	4/50	5/100
12	No. of Auto-technician trained	35	1,500	1125	4,000	10,000
13	CNG Manufacturing Hub	-	N/A	0	3	7
14	No of States with CNG Dispensing Sites	5	N/A	17	24	37
15	Investment Drive (\$)	N/A	160M	440.79M	1.5B	3B

ALL NUMBERS ARE CUMULATIVE

*real time data as of Dec 16, 2024

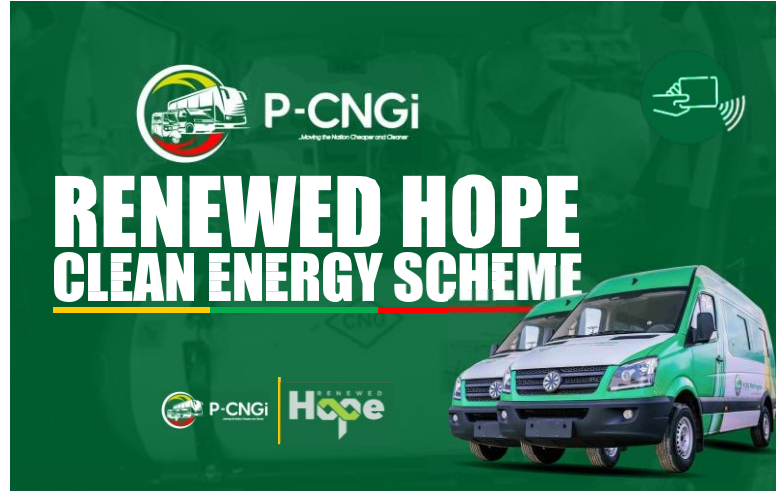
IMPACT ANALYSIS OF CNG ADOPTION



THANK YOU



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