



# GAS TERMINALLING

Gas Terminals : Trading : Logistics : Shipping

## Opportunities: Autogas Utilization for Economic Development and Growth



By: Busayo Fabunmi

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# PRESENTATION OUTLINE

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- 🔥 What is AUTOGAS?
- 🔥 Why Adopting AUTOGAS?
- 🔥 Gas as a Transition Fuel.
- 🔥 Opportunities in AUTOGAS Value chain
- 🔥 Challenges Confronting AUTOGAS  
Implementation in Nigeria.

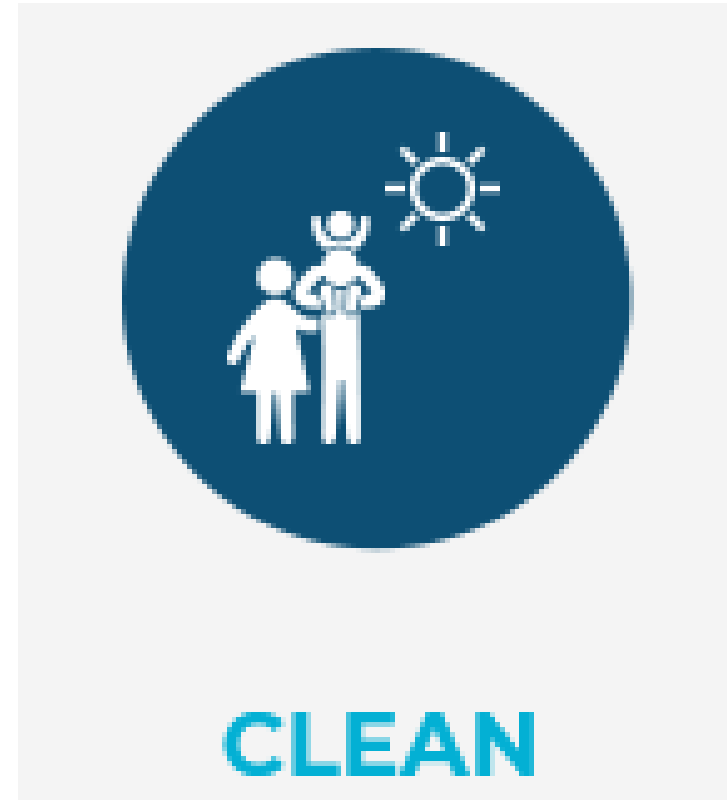
# WHAT IS AUTOGAS?

Autogas is the common name for liquefied petroleum gas (LPG) or Natural Gas when used as a fuel in **internal combustion engines** in **vehicles** as well as in stationary applications such as **generators**.



# WHY ADOPTING AUTOGAS? AUTOGAS IS CLEAN...

- Higher octane rating than gasoline, meaning it burns cleaner.
- Autogas also emits less CO<sub>2</sub> and **pollutant** emissions such as No<sub>x</sub>.



Source: [www.auto-gas.net](http://www.auto-gas.net)

# WHY ADOPTING AUTOGAS? AUTOGAS IS CLEAN...

ON AVERAGE, COMPARED TO PETROL,  
DRIVING ON AUTOGAS EMITS



ON AVERAGE, COMPARED TO DIESEL,  
DRIVING ON AUTOGAS EMITS



Source: [www.auto-gas.net](http://www.auto-gas.net)

# WHY ADOPTING AUTOGAS? AUTOGAS IS SAFE...

- 🔥 Autogas is a nontoxic, non-carcinogenic, noncorrosive fuel.
- 🔥 It poses no hazard to groundwater, surface water, or soil.
- 🔥 It does not leave a residue.



## STRICT STANDARDS AND REGULATIONS

SET BY **EXPERTS** IN RECOGNISED ORGANISATIONS FOR EXAMPLE  
**THE EUROPEAN UNION**  
AND NATIONAL GOVERNMENTS.



## COMPONENTS

ARE **THOROUGHLY TESTED**  
BY INDEPENDENT LABORATORIES,  
**BEFORE** ENTERING THE MARKET

- 🔥 Autogas fuel tanks are 20 times more puncture resistant, and can withstand far more pressure than typical gasoline tanks.

# WHY ADOPTING AUTOGAS? AUTOGAS IS CONVENIENT...

- 🔥 Autogas delivers a driving experience equal, or superior, to petrol or diesel.

AUTOGAS DRIVERS  
**CAN FILL UP**  
AT ONE OF THE



**REFUELLING  
STATIONS**



Source: [www.auto-gas.net](http://www.auto-gas.net)



**AUTOGAS  
TANKS ARE  
COMPACT**

AND **EASILY INTEGRATED**  
IN THE CAR WITHOUT LOSS OF TRUNK SPACE

- 🔥 Conversion is done without having to compromise on performance and autonomy.

# WHY ADOPTING AUTOGAS? AUTOGAS/LPG IS AVAILABLE...



- 🔥 The supply of LPG is secure in the long term and about 8 of 10 largest car manufacturers now produce Autogas vehicles.

- 🔥 Government driving the change.
- 🔥 Supporting the switch to LPG consumption particularly on our roads and to power houses.

## **ADDITIONAL SOURCES OF LPG**

ARE COMING ONLINE AND



**SUPPLY IS SECURE**

IN THE LONG TERM

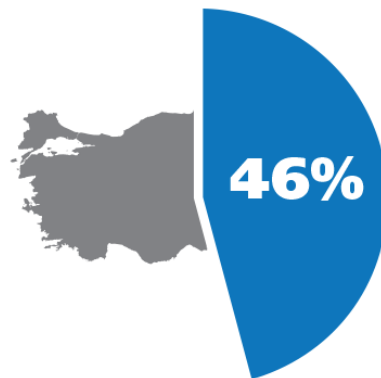
Source: [www.auto-gas.net](http://www.auto-gas.net)



# WHY ADOPTING AUTOGAS? AUTOGAS IS GROWING...

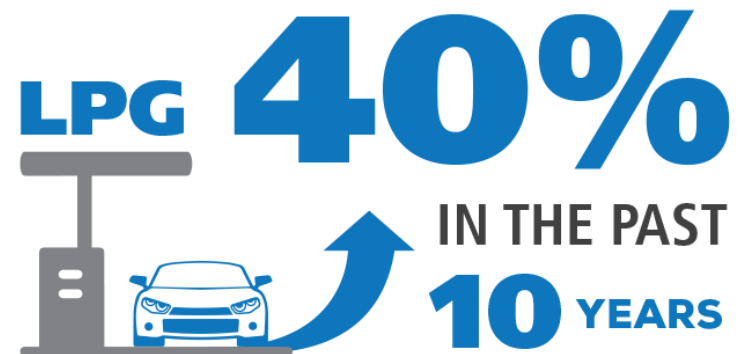
- 🔥 The use of LPG as a transport fuel has been steadily growing in the past 15 years.

IN **TURKEY**,  
MORE THAN **46%**  
OF **PRIVATE CARS**  
NOW RUN ON  
**AUTOGAS\***



Source: [www.auto-gas.net](http://www.auto-gas.net)

**GLOBAL CONSUMPTION OF  
AUTOGAS HAS RISEN BY**



- 🔥 Autogas now power the largest number of Vehicles running on alternative fuels.

# GAS AS A TRANSITION FUEL

Nig. Crude  
Oil Reserve



36,910 millions barrels

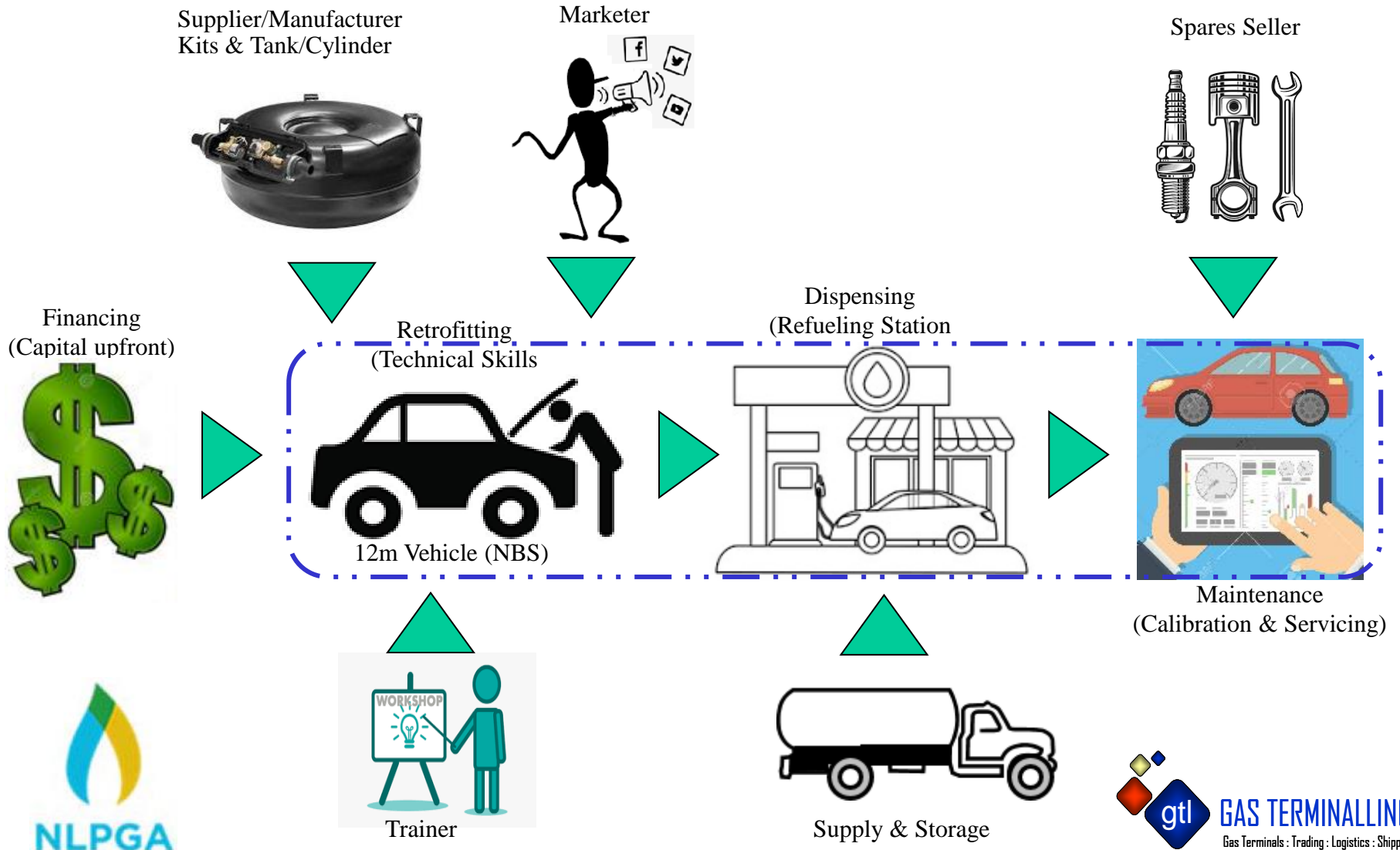
Nig. Gas  
Reserve



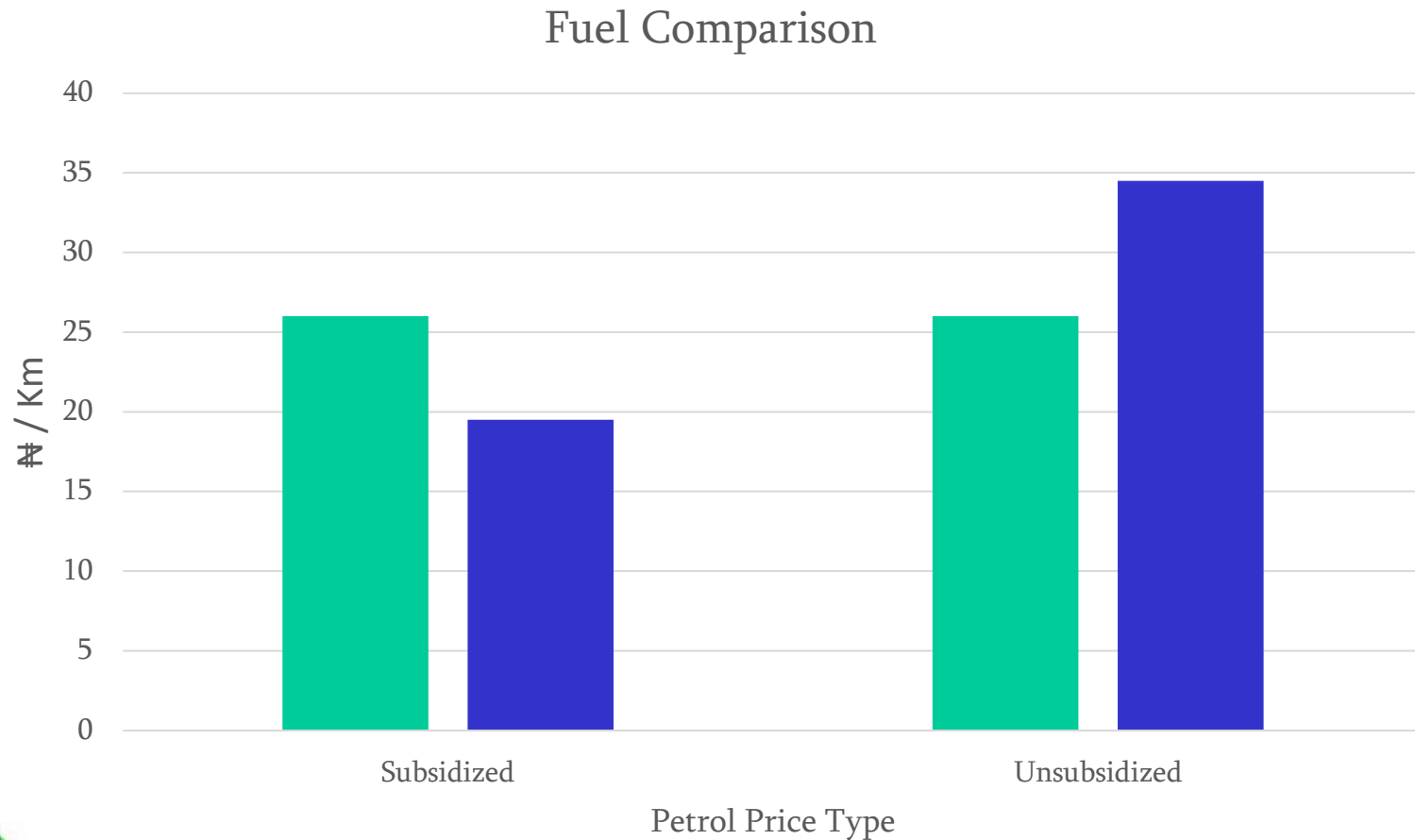
43,458 million BoE

- 🔥 Transition fuel: a substitute low-carbon fuel for higher content fossil fuels (coal and oil).
- 🔥 New Autogas-electric hybrids are now being introduced to ensure that Autogas is ready for the future.

# OPPORTUNITIES IN AUTOGAS VALUE CHAIN FOR ECONOMIC DEVELOPMENT



# CHALLENGES CONFRONTING AUTOGAS IMPLEMENTATION IN NIGERIA



■ LPG ■ Petrol



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THE END.

