



## VEHICLE CONVERSION

- CNG-HYBRID
- DIESEL-ELECTRIC
- CNG-PETROL
- CNG-DIESEL



**NIGERIA'S NO.1  
CNG & HYBRID  
SOLUTIONS BRAND**

# CNG TRUCKS

- Designed to handle high-pressure gas and includes specialized components such as regulators and injectors.
- Better range and performance than their diesel counterparts
- Reduced Carbon Footprint
- Noise Reduction



# DIESEL-CNG BUSES

## WHY CNG?

- 80% more economical than petrol-powered vehicles.
- 50% more economical than LPG-powered vehicles.
- CNG provides cleaner combustion compared to diesel fuel.
- CNG is generally a cheaper fuel option.
- Quieter and vibration-free than diesel engines
- Fewer moving parts -this means **less wear and tear**, thus requiring **less maintenance**
- Vehicle approach sensors and cameras

# CNG-CARS

We have a sustainable framework that delivers on creating and converting CNG-powered vehicles with the following features.

- CNG Cylinders and pressure tanks
- Pressure Regulators
- CNG Fuel Injectors
- Electronic Control Unit (ECU) that manages the engine's fuel injection and ignition systems



# AUXILIARY DRIVERS

## FEATURES

- Motor drives on E-axle
- Electronic differential
- Air compressor ECU
- Hydraulic ECU
- Vehicle approach sensors and cameras



**OUR EXTENSIVE  
REACH ENSURES OUR  
CNG PUMPS IN EVERY  
PART OF NIGERIA**



## OUR BATTERIES

Building on the limitations of Lithium-ion batteries such as overheating and loss of capacity during fast charging, we design and manufacture Zinc-Air Batteries with added advantages:

- Superior to Lithium battery.
- 10x Higher density to store energy
- Affordable and accessible
- Light-weight and does not overheat
- More eco-friendly



## 50KW & 33KW CHARGING CABLE FOR EV CHARGING STATIONS

- Low Fuel/Energy Cost
- High Engine Efficiency
- Cheap Periodic Maintenance
- Higher Performance
- Quiet, Smoke-free, Vibration-free
- Regenerative Braking
- Safer
- Longer Life



## CONVERSION OF VEHICLES TO HYBRID/ELECTRIC OR FULLY ELECTRIC



# ELECTRIC MOTOR HUBS

- Over 90% High Efficiency converting electrical energy into mechanical energy
- Instant torque from a standstill for rapid acceleration.
- Compact Size and Lightweight
- Quiet Operation
- Efficient for HVAC Systems



# ELECTRIC AXLES

As a key component in electric and hybrid vehicles, our e-axes enhance vehicle performance, efficiency, and design flexibility.

- Integrated with Electric Motor
- Modular design, allowing for easy integration into different vehicle platforms and configurations
- High Torque Output
- Regenerative braking, converting braking energy into electrical energy to recharge the battery

# 440 HP YUCHAI CNG ENGINE

- 80% SAVINGS ON FUEL
- Long-lasting, high references
- Environmentally friendly
- High performance in the harshest road conditions
- Agile as a commando
- Able to operate at  $-50^{\circ}\text{C}$  air temperature



**CNG ENGINES FOR  
CLEAN  
TRANSPORTATION  
AND INDUSTRIES**

## LOCALISED SOLUTIONS

We have in-depth knowledge of Nigeria's energy challenges and are in line with the National Energy Transition Plan and commitment to Gas-as-a-transition fuel, our innovations are designed for Nigeria and made/assembled in Nigeria.

## About Us

DAFE-Magnifique is a multi-solution company in the energy transition sector, with a focus on gas as a transition fuel and fully renewable energy solutions to achieve net-zero targets.

Our team includes international Original Equipment Manufacturers across various technology sectors, specializing in the fabrication and manufacturing of:

- CNG compressors, pumps, accessories & engines
- CNG-powered vehicles
- LNG equipment
- Electric axles, hubs and motors
- Zinc-Air Batteries
- Solar panels
- Electric Charging Stations

## Contact Us

### Telephone

+234 817 704 2673

### Address

46B Mike Akhigbe Way, Jabi,  
Abuja, Nigeria

### Website

[www.dafeenergy.com](http://www.dafeenergy.com)



**CONVERSION  
OF ALL TYPES  
OF VEHICLES**

The Renewable Energy Solutions Expert