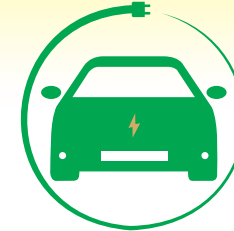
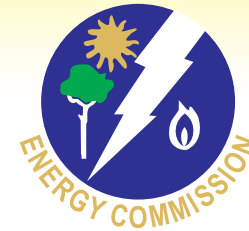


# The **DRIVE ELECTRIC** INITIATIVE Of Ghana



## **DRIVE ELECTRIC INITIATIVE (DEI-GH)**

*An E-Mobility Initiative Of The Energy Commission Of Ghana*



Ghana Airways Avenue,  
Airport Residential Area  
**Energy Commission**  
PMB, Ministries Post Office,  
Accra - Ghana

Phone (+233) 302 813756-7  
Website: <https://www.energycom.gov.gh>

**Securing Ghana's Energy Future Needs Today**  
Location: Airways Avenue GPS GA-037-3212

## *Why The Initiative!*

As part of the Energy Commission's mandate to recommend national policies for the development and utilisation of indigenous energy resources, the Commission in collaboration with the Ministry of Energy started promoting electric vehicles to create demand and drive the productive utilisation of our excess electricity supply in the system. This initiative was launched by the Senior Minister, Hon Yaw Osafo-Maafa at the 5th Renewable Energy Fair in October 2019.

The initiative dubbed Drive Electric Initiative is an innovative move by the Commission to achieve the following:

- Increase electricity demand sustainably to match supply as a way of partially addressing the electricity generation over capacity;
- To prevent Ghana from becoming a dumping ground for internal combustion engine (ICE) vehicles.

**VISION:** The vision of the DEI-Gh is to substantially reduce GHG emissions and promote green and sustainable transport and other environmentally friendly benefits while driving increased penetration of renewables in the long term.

**MISSION:** The Mission of the initiative is to increase the use of electricity by promoting productive use of electricity in powering vehicles. This initiative will also support the social and economic development of the country, while initiating green alternatives which will lead to the reduction in harmful emissions and negative environmental impacts associated with transport systems.



### **THE COMMISSION'S PRIORITY AREAS UNDER THE DRIVE ELECTRIC INITIATIVE ARE;**

Awareness creation to ensure the penetration of the vehicles in the country

Charging Infrastructure standards, regulation, monitoring and enforcement

Encourage business and collaboration in establishing charging stations in the country

# ACHIEVEMENTS

## Awareness Creation:

● The Commission organised *Ghana's First E-mobility Conference and exhibition* in September 2021 which brought

together thousands of stakeholders both in person and virtually while exhibiting electric cars for participants to test drive in a bid to increase awareness.



The Commission organised **Ghana's first Public charging forum** in March 2022 to introduce current and potential charging station operators in Ghana to the charging market for collaboration, discuss best practices around the world, analyse the business potential of charging station operation and the crucial role of energy in e-mobility

**DRIVE ELECTRIC INITIATIVE (DEI-Gh)**  
An E-mobility Initiative of the Energy Commission of Ghana

In Collaboration with Dundee City Council and Urban Foresight.

**1ST PUBLIC CHARGING FORUM**

Date: Thursday, 17th March, 2022  
Time: 9:00 am prompt  
Venue: Alisa Hotel

**GUEST SPEAKERS**

- Kofi Appiah, Director, Energy Efficiency
- Fraser Calkins, Director, Energy Efficiency
- Chris Evans Agbassi, Director, Energy Efficiency
- Sam Maffei, Head of Energy
- Esther Nwadi, Head of Energy
- Anthony Tasi Ewango, Director, Energy Efficiency
- John Opong, Head of Energy
- Richard Kofi, Head of Energy
- Godwin Kofi Agyemang, Head of Energy
- Sam Bryan, President
- Paul Emmanuel O. Baidoo, Head of Energy



**Local partnerships, stakeholder consultations and awareness**



- We have garnered increased international recognition in the E-mobility space since its inception and worked with several international organisations such as the UNDP, IEA, ZEV, UK, UN, DESA etc.



*EVI Pilot City Forum 2021 (drivedundeeelectric.co.uk)*



- The Energy Commission under the initiative organised it's first side event at COP27 in Sharm EL Sheikh with participants from over 3 continents in attendance. This saw increased investor interest in charging infrastructure deployment in Ghana.

Visit the Energy Commission website ([www.energycom.gov.gh](http://www.energycom.gov.gh)) for more information

# ENCOURAGING PUBLIC PRIVATE PARTNERSHIP IN CHARGING INFRASTRUCTURE ROLL OUT IN GHANA

Under the Drive Electric Initiative, Ghana is conducting its first baseline study of the EV landscape. The Commission began work on a country wide study to collect data, analyze and establish a baseline for EVs in the country while working on standards and regulations to ensure

conformity with international standards and regulations in the EV market, to establish the requisite legal and regulatory framework for conformity as well as to guard against factors that affect the health and safety of consumers.

## INVESTMENT OPPORTUNITIES

The Drive Electric Initiative seeks partnerships in promoting E-mobility through the following:

Technical and financial partnerships to support regulations for charging stations and Policy for EV adoption

Investment in the charging Infrastructure landscape of Ghana

Investment in assembling of EVs in Ghana

# DID YOU KNOW?

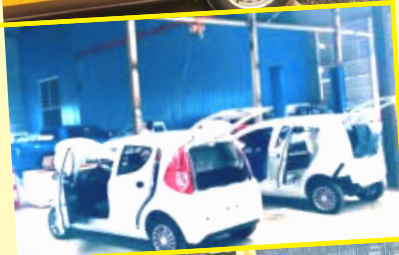
That there are EVs in Ghana for private use with owners charging at home?



That there are E-buses operating private transport and logistics services in Ghana?



That EVs are assembled in Ghana?



That E-bikes are being assembled in Ghana?



That Ghana has a battery swap station?



# Electric Vehicle Types:

## **EV**

EV is the general catch-all term for an electric vehicle. Fully electric cars get all of their power from motors that use batteries charged with electricity.

## **BEV**

A BEV, or battery-powered electric vehicle, uses only its electric motor or motors for propulsion. Because they lack a traditional internal combustion engine and use no gasoline, BEVs produce no tailpipe emissions.

## **HEV**

HEV stands for hybrid electric vehicle. An HEV is an electric car that runs on both an internal combustion engine and an electric motor that uses energy from a battery.

## **PHEV**

PHEV: A PHEV is a plug-in hybrid. PHEVs plug into a power outlet to charge their batteries and use a petroleum-based or alternative fuel to power the internal combustion engine.

## **FCEV**

FCEV: Fuel cell electric vehicles run on compressed hydrogen but are not widely available except in California. Filling up an FCEV is similar to fueling up a gas-powered vehicle.

## *EV Charging Levels*

One perk of an electric vehicle is that you can plug in and recharge at home or use EV charging stations when you're out and about.

### *There are Three Types of Chargers for Electric Cars*

#### **Level 1**

This level refers to household three-prong outlets like those your computer or a desk lamp will use.

#### **Level 2**

Most people prefer level 2 charging capability, whether at home or at a public charging station. These chargers provide 240 volts of power and require an external device that plugs into a receptacle like an electric clothes dryer.

#### **Level 3**

Also called a DC Fast Charger, the fastest-charging option is a Level 3 charger. You will only find Level 3 options in public charging stations. Charging times are rough guidelines and estimates because electric cars also don't charge at a constant rate.

*Source: Kelly Blue Book*

***Do you want to build a charging station  
in Ghana? Contact:***

**Ms. Doris Agbevivi**

**Project Coordinator (DEI-Gh)**

Energy Commission

Ghana Airways Ave, Accra

+233 030 281 3756-7

**[dagbevivi@energycom.gov.gh](mailto:dagbevivi@energycom.gov.gh)**

**[DEI@energycom.gov.gh](mailto:DEI@energycom.gov.gh)**

To read more on this initiative and other achievements visit  
***[Drive Electric Initiative \(DEI\) \(energycom.gov.gh\)](http://energycom.gov.gh)***