



# GHANA POWER COMPACT

## UPGRADE OF POWER SUPPLY TO FOUR (4) ECG DISTRICTS


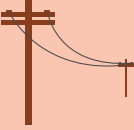
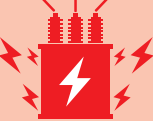



### PROJECT NAME: LV BIFURCATION AND NETWORK IMPROVEMENT

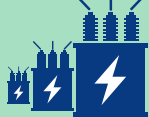

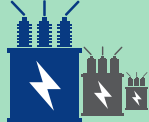
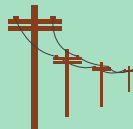
The LV Bifurcation (LVB) and Network Improvement Project being implemented by MiDA under the Ghana Power Compact Program will upgrade and refurbish ECG’s Low Voltage Network to improve the supply of quality and reliable power to businesses and homes. The LVB Project will also contribute to ECG’s technical loss reduction, improve customer satisfaction and revenue generation.

**DISTRICTS: DANSOMAN, KANESHIE, ACHIMOTA AND AKWAPIM MAMPONG**

#### CURRENT NETWORK CHALLENGES

-  **Low voltages** resulting in dim lights and breakdown of electrical appliances.
-  **Long and Undersized Conductors** leading to high technical losses, low voltages, and voltage fluctuations.
-  **Overloaded Transformers** that result in frequent outages, low voltages, and high technical losses.
-  **Frequent breakdowns** - interruption of power supply due to faults, aging equipment, and work on the networks.

#### LVB PROJECT INTERVENTIONS

-  Installation of **202** New Transformers of various capacities to relieve overloaded ones.
-  Upgrade of **717**km of undersized Conductors / lines.
-  Replacement of **29** over-aged Transformers of various capacities.
-  Installation of **12,743** wooden poles and new line extensions to reduce the length of existing conductors, reduce technical losses, and improve customer-end voltages.

