



MILLENNIUM  
CHALLENGE CORPORATION  
UNITED STATES OF AMERICA

# GHANA POWER COMPACT

## INAUGURATION

### UTILITY GEOGRAPHIC INFORMATION SYSTEM (GIS) FOR ELECTRICITY COMPANY OF GHANA

**Date:**  
**March 30, 2022**

**Venue:**  
**ECG Projects Office, Kwame Nkrumah Circle**



The Ghana Power Compact Program has funded the installation of a Utility Geographic Information System (GIS) for the Electricity Company of Ghana (ECG) at a cost of US\$8.5M. The Project is part of the Modernizing Utility Operations Activity, one of four project activities making up the ECG Financial and Operational Turnaround Project (EFOT). The Utility GIS Project Activity comprises procurement and installation of system software, server hardware, field hardware, and services for data migration and field validation of assets (such as primary and secondary substations, power lines, poles, underground cables, transformers, switches and customer service wires).

The Utility GIS provides a digital platform and tools for ECG to plan, manage and efficiently operate its network to meet global utility management standards. ECG's customer experience will improve through enhanced power supply reliability, better supply quality and reduced service turnaround time. The Utility GIS also provides ECG with the foundation for a more efficient revenue collection, losses reduction and outage reduction.

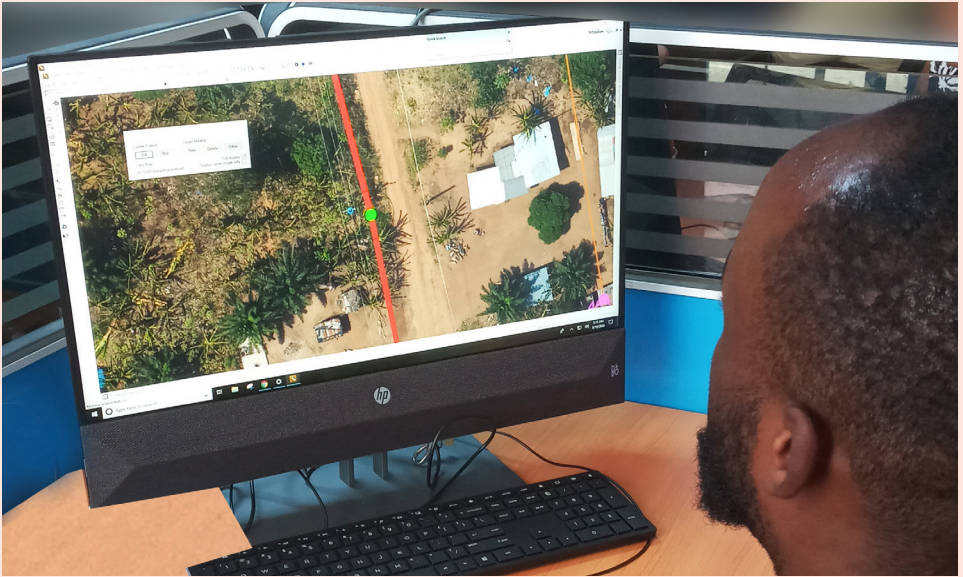
ECG currently relies on manual and stand-alone computerized systems to locate and identify assets and customers in the field and to design, construct and operate its network for planning and service delivery purposes. This approach to service delivery and operations is time consuming and inefficient. It results in less than optimal service delivery and operational and system losses. The System helps ECG to better manage its assets and improve its business processes, thus leading to improved customer experience and technical and financial performance. The Utility GIS is available in 14 ECG districts across Accra East and West.



# PROGRAMME

- 9.30 Guests Arrive
- 10.00 Opening Prayer
- 10.05 Welcome Address - MiDA Board Chair
- 10.10 Statement by ECG - ECG Board Chair
- 10.15 Statement by MCC - Steven Marma  
MCC Resident Country Director, Ghana
- 10.20 Statement by Hexagon - Maximilian Weber  
Senior Vice President
- 10.25 Statement by Minister for Energy - Hon. Dr. Matthew Opoku Prempeh, MP
- 10.40 Overview and demonstration of the GIS System
- 11.10 Closing remarks/prayer
- 11.15 Group Photograph
- 11.20 Departures





Funding : Millennium Challenge Corporation (MCC)  
Contractor : Intergraph SG&I Deutschland GmbH (Hexagon)  
Project Manager : SMEC International Pty Ltd

Total Project Cost : US\$8.5M  
Project Start Date : August 6th 2017  
Project End Date : March 30th 2021  
Total Districts : All 14 districts in Accra East and West

### Key Benefits:

- Enable ECG to plan and design distribution networks
- Mapping of the electrical network
- Improve identification of illegal connections
- Provide a very efficient way for ECG to manage their assets
- Enhance ECG's outage management operations
- Enhance ECG's regulatory compliance
- Visual representations of the environmental conditions
- Provide real-time, reliable geospatial and location information