

Emmanuel Adomako

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> Career Objective

To acquire a challenging and responsible position to utilize my professional experience and potential in a Professional organization to meet or exceed employer's expectations.

Willing to work as a key player in Challenging & Innovative environment of Railway and modern transportation system.

> Work Experience

1. AFCONS Infrastructure Ltd., India (Ghana Railway Project)

Duration: February 2019–till date

Designation: Engineering Supervisor -Signaling and Telecom

Project: Construction of Single Standard Gauge Railway line from TEMA to AKOSOMBO (97.67KM) on EPC Basis

Job Profile: Engineer- Telecom (Telecom System including Design & Installation)

: Supervisor- Signaling & Telecom (supervision of the laying of communication fiber back-bone network)

Key Roles & Responsibilities:

Telecom

Responsible for all Design & Execution Work of telecom subsystems (OFC Backbone System, Clock System, Telephone System, PA & PIDS System, VHF System & Power Supply System).

Identification of System Requirement Specification based on client's tender document.

Preparation of Scope of work for telecom, Specifications for cables (OFC) as per ITU-T or another applicable standard.

Concept Design (High level Design) for Telecom subsystem to identify the Tentative BoQ & Feasibility of the system to be proposed & Preparation of RFP Document.

Preliminary Cost Estimation for Telecom Subsystems.

Preparation & Review of Design Basis Report along with Design Consultant for S&T System.

Preparation & review of technical specification requirement for vendor/subcontractor finalization

Cable Route analysis & preparation of Cable Route Drawings. Track crossing for S&T Cables Drawings etc.

Identification of Vendors/OEMs for telecom Subsystem design work.

Identification of Manpower Requirement for installation Activities for telecom & signaling system.

Preparation of Method Statements for various activities as per the project requirement.

Planning, Supervision & monitoring of OFC cable Laying work.

Identification of Tools/Equipment required to carry out installation activities.

- Design Activity Management & Support to Management related to Telecom Systems to decide the best, optimum & economical solution.
- Preparation of Signalling Scheme Plan for 2 Railhead & 3 Single Line Stations
- Design of Signalling Arrangement Plan (SIP) for typical Station
- Design of Cable Core Plan (CCP) for Typical Station
- Typical Plan for ETCS L1 System.
- Identification of System Requirement Specification and review of Subcontractors proposal.
- Preparation of Tentative Signaling BoQ Based on the initial proposed design.
- Preliminary Cost Estimation for Signaling System.
- Overall responsible for Requirement identification, Vendor Selection, Design & Installation of Fire Alarm System, Door Access Control System & Turnstile Entry-Exit System.

> **Academic Projects**

- Digital Logic Gate Kit, Collision Avoidance Robot, DTMF Robot, Edge Avoider Robot, Wireless Home Automation, Propeller LED Display, Solar Tracking system, Voice Recognition Home Automaton, Fire fighter robot, Smartphone controller Home Automation, Serial communication using Bluetooth modem.

Responsibilities:

Project planning based on basic concept, Resource Management, Component identification, Semantic Diagram, Breadboard Testing of Circuit, Hardware design, Programming Algorithm, Coding in Embedded C, Simulation on Proteus, Module Integration, Testing & Troubleshooting, and Innovation in Design to make it chipper & attractive.

> **Education**

- Bachelor of Eng. Electronics & Communications Eng., KNUST — 2020
- Engineering Project Management, Rice University
- ERTMS Module 1&2, Railway Talents
- Autodesk Certified Professional: AutoCAD for Design and Drafting, Autodesk
- Electric Industry Operations and Markets, Duke University
- Engineering Project Management, Rice University

> **OTHER INFORMATION**

Date of Birth	Aug 28, 1993
Nationality	Ghanaian
Languages	English, Twi, Deg