

Eric Kumi Antwi-Agyei

P.O. Box 15919, Accra-North
Email: eantwiagyei@yahoo.com | Phone: +233-0244566371

Professional Summary

Seasoned energy and environmental management professional with over 20 years of experience leading high-impact programs. Skilled in leveraging SAP, Microsoft Project, and Excel to design, implement, and monitor schedules for high-performing teams and renewable energy initiatives. Renowned for managing international projects, driving strategic goals, and fostering collaboration among diverse stakeholders. Expertise includes spearheading large-scale energy efficiency and climate protection initiatives across Ghana and West Africa. Strong foundation in project management, policy development, and capacity building, with a track record of successful partnerships with organizations such as GIZ, UNEP, and UNDP.

Core Competencies

- Program Leadership & Strategic Direction
- Renewable Energy Policy & Implementation
- SAP & Microsoft Project Proficiency
- Stakeholder Engagement & Government Relations
- Financial Management & Resource Allocation
- Monitoring, Evaluation & Reporting
- Capacity Building & Team Development

Professional Experience

Planco/Integration | Consultancy Pool Manager, Sustainable Energy for Climate Protection (SE4C) Project, GIZ

Accra, Ghana | Nov 2022 – Present

Managed the SE4C project, providing technical and strategic support for GIZ's climate protection and renewable energy initiatives. Led efforts to scale pilot projects and build capacity in solar energy.

- Directed project implementation cycles, ensuring alignment with technical standards and resource optimization.

- Supervised planning and scheduling activities for solar energy deployment, building capacity in sustainable operations.
- Developed impact reports to assess operational efficiency and propose strategic improvements.
- Prepared policy frameworks addressing asset management and maintenance requirements.
- Supervised solar training of tutors of 12 **TVET** institutions around Ghana
- Provided support to enhance the services of the **Sector Skills Body** for Solar
- Prepared Policy framework for Solar Power Irrigation Systems for Ghana as part of CTCN project awarded to Integration and CARES group.

United Nations Environment Programme (UNEP) | Project Lead, ECOFRIDGES Project

Ghana & Senegal | May 2019 – Mar 2022

Directed the ECOFRIDGES project, promoting the adoption of energy-efficient and climate-friendly cooling products, impacting energy use and emissions reductions significantly across Ghana and Senegal.

- Launched wage financing for energy-efficient products, **achieving a 50%** increase in sales within three months at participating outlets.
- Led stakeholder engagement, working closely with government agencies, private sector entities, and financiers to ensure project alignment and sustainability.
- Supported the Energy Commission of Ghana in climate readiness planning, securing pathways to Green Climate Fund (GCF) funding.

United Nations Development Programme (UNDP) | Project Coordinator, China-Ghana South-South Renewable Energy Technology Transfer Project

Accra, Ghana | Jan 2015 – Apr 2019

Oversaw a major project to catalyze Ghana's renewable energy sector through policy development, capacity building, and innovative business models.

- Managed complex schedules for renewable energy projects, integrating multiple operational and logistical consideration
- Spearheaded the creation of Ghana's **25-year Renewable Energy Master Plan**, establishing long-term targets for renewable technologies.
- Pushed for UNIDO's turbines to be transferred to BUI power to develop the first mini-hydropower dam at Tsatsadu.
- Facilitated collaboration between Ghana and China, organizing strategic missions that resulted in key partnerships and enhanced technology support for renewable projects in Ghana.

- Successfully organized a side event to share success stories at CoP23 Bonn to share project successes and experience of tri-lateral cooperation between China, Ghana, Zambia through the UNDP

UNDP Ghana Country Office | Project Coordinator, Refrigerator Efficiency Project (National Refrigerator Exchange Program)

Accra, Ghana | Nov 2011 – Dec 2014

Led Ghana's first nationwide appliance efficiency program, which reduced emissions, improved energy use, and transformed consumer behavior regarding refrigeration appliances.

- Implemented a rebate scheme, replacing over 10,000 inefficient refrigerators and achieving a 50% increase in new, energy-efficient appliance sales.
- Established Ghana's first refrigerator dismantling and recycling facility, reducing harmful emissions and preventing improper appliance disposal.
- Supported the development of the first Refrigerator Testing Facility
- Directed a public awareness campaign that shifted consumer preference toward higher-rated appliances and contributed to nationwide energy savings.

Education

MSc in Energy and Environmental Management – University of Twente, Netherlands, 2009

BSc in Chemical Engineering – Kwame Nkrumah University of Science and Technology, Ghana, 2002

Certifications & Specialized Training

- Project Management Certification (PMI)
- SAP System Operations for Maintenance Planning
- Prince2 Project Management
- ArcGIS Desktop and Online
- Energy Management in Small Scale Industries – University of Twente

Professional Affiliations & Conferences

- Member of Ghana's Delegation to UNFCCC's CoP meetings- including COP22 Marrakesh, COP23 Bonn,
- Speaker at renewable energy conferences such as EEDAL, Portugal, EE Global Conference in Washington USA, WACEE conference, Ghana

References

- Kofi Agyarko - Director, Energy Efficiency and Renewable Energy
Energy Commission, Ghana Email: kofiagyarko@gmail.com | Tel: 233 268705242
- Ishmeal Edjekumhene - Executive Director KITE
Email: iedjekumhene@kiteonline.net | Tel: 233204368574