

Brief Profile of Profile Team

Dr Sherriff Kamara: Principal Investigator

Dr Sheriff Kamara is a Mechanical Engineer, an Economist and a management Consultant who has worked in both commercial and engineering industries in Sierra Leone and United Kingdom. He has provided training in Computer Aided Design software related to mechanical, electrical and Civil engineering for 11 years. Currently researching on Computational Fluid Dynamics, Finite Element Modelling (with reference to Improved Cook Stoves) and the use of wastes to produce building blocks and structural elements in building construction shuttering and formworks. He has published in peer reviewed journals and presented papers in international conferences. He is an ardent researcher in engineering waste management and a Member of Sierra Leone Institution of Engineers.

Michaella Akosua Kwashie: Team Member

Engineer Kwashie is a female mechanical female engineer working in the office of Presidential Infrastructure Initiative (OPII). She was part of the evaluation team on the project titled: design, procurement and installation of traffic signals, pedestrian bridges, and streetlights in Freetown. Ing Kwashie took part in the construction of the new Freetown international Airport and has been actively involved in the survey and re-designing of the Wilberforce Military Barracks with the use of Drone Mapping.

Dr Michael A Conteh: Team Member

Dr Michael A. Conteh is a Senior Lecturer and currently the Dean, Faculty of Engineering and Architecture (FEA), Fourah Bay College, University of Sierra Leone. He joined the faculty in 1999 as a Research Teaching Assistant and has served the Department of Mechanical Engineering in various positions from 2004 to date. He possesses over 18 years of research and teaching experience at University level. His primary research interests are in the fields of mechanical engineering design, energy recovery and storage, energy efficiency, renewable energies, and operations research and statistics. He is a member of the Professional Engineering Regulatory Council (PERC) of Sierra Leone. Dr Michael Conteh will lead the Team implementing on this project.

Ing Sahr Tamba Nyalloma: Team Member

Ing Nyalloma is the current Head of Department of Mechanical and Maintenance engineering, Faculty of Engineering and Architecture, University of Sierra Leone. He is an experience industrial engineer with over two decades of experience. He has been a consultant for Islamic Development Bank and the Government of Sierra Leone, in the area of Situational Analysis of Technical Education and Training, wherein he was instrumental in writing three volume of Welding and Metal works book, volumes 1 to 3. He has also made publication in his field.

Dr Abdulai Sankon: Team Member

Ing Dr Abdulai Sankoh is an accomplished Electrical and Electronics Engineer with a diverse background in both theoretical knowledge and practical application of emerging technologies. His expertise spans a wide spectrum of electrical and electronic systems, with a particular focus on innovation, problem-solving, and sustainability. Dr Sankoh's dedication to staying at the forefront of technological innovation and advancements makes him a valuable contributor to projects and institutions seeking cost-effective engineering solutions. With over 10 years of experience in the Electrical and Electronics Engineering Field. He has supervised the installation and commissioning of power systems, ensuring they meet performance and safety standards, and ensures the implementation and monitoring and control systems for real-time data analysis and system optimization. Dr Sankoh contributes to the development of cutting-edge electronic products by participating in the testing phase of the research and development projects.

Ing Festina Johnson: Team Member

Festina Johnson is a female Civil engineer who has worked in different areas of her field. She was involved in data collection and eventual design and analyses of steel truss bridge which were meant to improve traffic operations and safety at intersections in Freetown. Eng Johnson has also worked for a private construction company where she supervised workers in building construction sites from initial to final phase of the project.

Ing George Bella-Kamara: Team Member

George Bella-Kamara is a senior electrical engineer with a Master in business administration degree who currently worked as an overhead line Construction and Maintenance engineer for the Electricity Distribution. He oversees construction and maintenance of overhead lines in some part of the city.

Ing Ramatu Nafisatu Sankoh: Team Member

Ing Nafisatu is a female Mechanical engineering who currently works at Office of Presidential Infrastructure Initiative (OPII) and has actively involved in the construction of the new Freetown International Airport (FNA), working closely with lab technicians to ensure that the project specification of the actual tests to be conducted on material samples such as concrete mix designs, Asphalt mix designs, bypass material composition are followed strictly to ensure quality control. She has also worked in managing the planning and execution of the Ministry of Defense (MoD) to provide technical data that help guide them in the rebranding of the military barracks and improve the standard of the military. Ing Nafisatu Sankon was a resident site engineer who was a supervisor at the construction of the Kono University of Science and Technology (KUST) Administrative Building. She has worked in various aspects of projects including: planning, executing, monitoring, evaluation and closeout.

Ing Peter Ibrahim Vandy: Team Member

Ing Vandy is an experienced Electrical engineer who is the current Manager of operations and maintenance field services at the Electricity Distribution and Supply Authority, Sierra Leone. He has also worked as a Project and Network Manager at Japan International Cooperation Agency (JICA and Electricity Distribution and Supply Authority respectively. He has held several position at EDSA including, Head of Distribution, Head of safety and Operations and Area engineer.

Ing Sebatu Comber: Team Member

Ing Comber is a female Civil engineer with private sector experience in various aspect of construction engineering. She has supervised, managed and closely worked with consultant engineers in the area of safety, design of bill of quantities and preparation of document for construction bid openings.

Ing Martin Sankoh: Team Member

Ing Martin Sankoh is a lecturer and an energy modelling and simulating expert in the mechanical and maintenance engineering department, faculty of Engineering and Architecture, University of Sierra Leone. He has worked as a as a volunteer consultant on developing HydroChloroFlouroCarbon (HCFC) phase-out framework for sierra Leone, and a consultant for the National Commission for Social Action Sierra Leone on solar mini-grids development projects in Rural Sierra Leone

Ing Unisa Amara Fornah: Team member

Ing Fornah is currently Head of Workshop at the Mechanical workshop technology lab at Fourah Bay College, University of Sierra Leone. He is an experienced mechanical engineering who worked as a Mechanical Engineer at the Sierra Leone Airport Authority and as a Research and Teaching Assistant at Fourah Nay College, University of Sierra Leone. He has worked as a service engineer at Compagnie Sahellienne d'Entreprises (CSE) and a mining supervisor at the London Mining Company.

Abu Lyle Conteh: Team Member

Ing Conteh is currently a lecturer at the Mechanical and Maintenance Engineering Department, Faculty of Enginee4ring and Architecture, University of Sierra Leone. He is an environmental engineering specialist with specialty in Remote Sensing and GIS. Ing Conteh has also worked at the Pacific Architects and Engineers (PAE-SL), working at various department such as vehicle maintenance, power generation and supply/warehouse department. He has also worked as a Verification Officer at the IDT Labs, National Presidential and Parliamentary Elections.