VACANCY ANNOUCMENT

The National Water and Electricity Company (NAWEC) is pleased to invite applications from suitably qualified and experienced Gambian nationals for the position of:

Hydraulic Modeler

Role Purpose

The Hydraulic Modeler is responsible for the development, maintenance, and operation of water supply hydraulic models and contributes to the development of operational improvement initiatives and capital expenditure (CAPEX) proposals. The role supports evidence-based planning, optimization of water distribution networks, and the efficient delivery of water services throughout NAWEC's service areas.

Interested candidates are hereby requested to submit a cover letter and their updated Curriculum Vitae in **PDF Format** to recruitment@nawec.gm. Applications must clearly outline position being applied for in the subject line.

Deadline for submission for all positions is 23rd November 2026. **Only shortlisted candidates will be contacted for interview.**

Job Description

Position	**Hydraulic Modeler [WSBU]**
Role Summary	Responsible for the development, maintenance and operations of water supply hydraulic models and contribute to the development of operations and capex proposals.
Reporting Relationships	Reports directly to the Manager -Projects and Planning in the Water & Sewerage Business Unit.
Duties and Responsibilities	• Project Manage model build. • Build, calibrate and maintain hydraulic models for water supply and sewerage systems. • Use models to establish network performance and identify operational issues. • Collaborate and support water distribution team and the wider organization through the supply of asset and hydraulic modelling results and data. • Use model to assist with strategic network planning related programs, operation and maintenance strategies, level of service evaluations, risk/criticality prioritization, rehabilitation, or replacement strategies.

	• Use models to assist with development controls and demand management. • Prepare and present reports to management as needed • Provide guidance and training to less experienced members within the team. • Serve as an internal technical resource to other departments regarding network performance. • Stay current with industry trends by participating in educational opportunities, professional organizations, and conferences
Requirements and Qualifications	• Bachelor's degree in related technical field such as Engineering, Environmental science is required. • 3-5 plus years of water supply progressive hydraulic modelling and master planning experience is required.
Competences	
Competancy	**Detail**
Strategy Development	Understands the requirements of developing and changing Water & Sewerage Industry and contributes proactively and objectively to corporate strategy development
Business Planning	The capacity to contribute to the development of a Vision and Business Plan for the WSBU that reflects corporate strategies .
Professional Knowledge	Maintains constant self-improvement by staying up to date with developments in the Engineering, and hydraulic modeling field and ensures teammates are similarly developed.
Results and Performance	The ability to drive for achieving and surpassing targets and achieves this by Business Plan monitoring ,
Policies and Procedures	Understands the importance of sound asset management and project management principles and is constantly pursuing initiatives for continuous improvement.
Systems	The ability and drive to harness information technology to assist in better delivery of our asset functions .
Financial Acumen	Capacity to identify cost effective approaches to set priorities.
Asset Information	Understanding of organisational need for timely and accurate management information and delivers it.
Staff Development	Ability to train and develop staff and contribute to the development of long-term staffing needs and capabilities
Analytical Skills	The ability to visualise, articulate and solve both complex and uncomplicated problems and make informed decisions that add value based on all available information.
Product Knowledge	Understanding of water systems hydraulics.
Stakeholder Management	Is sensitive to the importance of stakeholders, their identification and development of appropriate responses.