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CEO Dr. Letangule Inspects New High-Tech Meter Test Bench, Paving Way for Enhanced Water Consultancy and Revenue Growth



KEWI CEO Dr. Leiro Letangule, the Deputy director Research Mr Nelson Kwamini, Lianli project Manager Michael Zhang and KEWI instructor Mr Jabez inspecting the 6 meter Automatic Meter Test Bench after installation.

BY: EDITORIAL TEAM

The Kenya Water Institute (KEWI) has taken a bold step in strengthening its consultancy services and tackling non-revenue water (NRW) with the acquisition of a cutting-edge 6-meter Automatic Meter Test Bench. Assembled this week at KEWI's Nairobi Campus, the high-tech equipment is expected to play a transformative role in water management, offering

advanced meter calibration and verification services to both public and private sector clients.

“This is the first of its kind in Kenya,” said Dr. Leiro Letangule, KEWI CEO, during an inspection tour of the newly installed test bench. “It places KEWI at the forefront of water sector consultancy and innovation. With this technology, we are not only enhancing accuracy in water measurement but also opening

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new revenue streams for the institute through high-quality calibration and testing services.”

The acquisition of the test bench was made possible through a strategic partnership with GATSBY Africa and was custom-built in China to meet KEWI’s unique requirements. Its installation aligns with Kenya’s national goal to reduce Non-Revenue Water.

Throughout this week, KEWI lecturers specializing in Non-Revenue Water Management, were taken through intensive hands-on training on how to

operate the new machine. The sessions included detailed instruction on calibrating water meters under varying flow conditions, diagnosing internal system leakages, and ensuring precision in consumption data recording. These capabilities are vital for utilities seeking to enhance billing accuracy and reduce losses.

“We’re not just acquiring equipment; we’re building local expertise,” Dr. Letangule emphasized. “Our staff and lecturers are receiving world-class training directly from

Chinese engineers who designed and assembled this bench. They’ve promised us their full support throughout the training phase until we are fully operational and ready to serve the market.”

During his tour of the facility, Dr. Letangule was guided by the Chinese



technical team, who demonstrated a full range of functionalities offered by the system. From simulating diverse water flow scenarios, to real-time consumption tracking, the technology promises a new era of accountability and transparency in Kenya’s water sector.

The consultancy wing of KEWI will now offer meter verification and certification services to utilities, private companies, and government agencies. This move not only

ensures more accurate billing systems across the sector but also positions the institute as a revenue-generating technical hub.

“With growing pressure on water resources and increasing demand due to population growth and climate change, the need for precision in water management has never been greater,” said Dr. Letangule. “This test bench is not just a machine; it’s a symbol of our commitment to service excellence, professional training, and sustainable water resource management.”

Students enrolled in KEWI’s Water Supply and Water Engineering programs are also expected to benefit greatly from the installation. They now have access to real-world, industry-grade tools for learning and practical application, giving them a competitive edge in the job market.

The test bench is expected to be fully operational and open to the market by June. Once launched, it will support national efforts to reduce water loss, improve service delivery, and ensure that every drop counts in Kenya’s water sector.

KEWI Partners with GoSoft Integrated Solutions to Advance Water Sector Innovation



GoSoft CEO Madam Christine Tantuo and KEWI team during a meeting discussing potential partnership

BY: BRITNEY MOKEIRA

The Kenya Water Institute was honored to host a strategic partnership meeting with GoSoft Integrated Solutions Limited, a forward-thinking technology company at the forefront of digital transformation in the water sector. The meeting was led by GoSoft's visionary CEO, Ms Christine Tantuo, whose commitment to technological innovation and capacity building aligns seamlessly with KEWI's mission to enhance water sector training, research, and operational efficiency in

Kenya.

This collaboration marks a pivotal moment in KEWI's journey towards integrating smart technologies into its core functions. Among the key areas of cooperation discussed was joint training and capacity building, covering both short courses and long-term training programs. The partnership will support the upskilling of students, professionals, and practitioners in the water sector, ensuring that they are equipped with the latest knowledge and technical skills required in an increasingly data-driven world.

A particularly exciting development in the partnership is the planned deployment and installation of 10 smart water meters across all the 4 KEWI campuses. These meters will be connected to

a centralized real-time analytics dashboard, enabling the institution to monitor and manage water consumption more efficiently. This initiative not only supports better resource management within KEWI but also serves as a living lab for students to learn firsthand how smart technologies can be applied to real-world water management challenges.

In addition to training and technology deployment, the partnership will include collaboration on research and development. Both KEWI and GoSoft committed to pursuing joint research funding opportunities and co-authoring grant proposals aimed at

KEWI Partners with GoSoft Integrated Solutions to Advance Water Sector Innovation



GoSoft CEO Madam Christine Tantuo touring the institute's facilities during her visit

addressing critical issues in water management and conservation. By pooling resources and expertise, the two institutions hope to do research that informs policy and improves water service delivery across the country. Another major area of support from GoSoft will be directed toward KEWI's Non-Revenue Water (NRW) Centre of Excellence. The Centre focuses on addressing water losses that occur through leaks, theft, or

inaccurate metering, an issue that significantly affects utility performance. GoSoft will contribute to the development of a curriculum that incorporates data analysis and digital tools for identifying and mitigating NRW. This support will strengthen the Centre's ability to produce skilled professionals capable of driving efficiency in Kenya's water utilities.

This partnership

represents a forward-looking approach to tackling the multifaceted challenges of water management through collaboration, innovation, and education. KEWI is proud to work alongside GoSoft Integrated Solutions Limited in this endeavor and is confident that the synergy between the two institutions will

yield transformative results for the water sector in Kenya. This strategic partnership is not only a testament to the power of collaboration but also a bold step toward building a smarter, more sustainable future.

Principal Chiakariga Campus Pays Courtesy Call at The New Sub-County Deputy County Commissioner

BY: KORIR KIPKIRUI

The leadership of Chiakariga Campus, led by the Principal, paid a courtesy call to the newly appointed Chiakariga Sub-County Deputy County Commissioner, Ms. Mary Lairumbi, in her office earlier this week. The Principal was accompanied by Mr. Castro Nyagudi, the Dean of Students at the Campus, and Ms. Esther Mutegi, Office administrator.

The purpose of the visit was to formally welcome Ms. Lairumbi to her new role and explore avenues for enhanced collaboration between the government administration and the campus.

During the meeting, several key areas of mutual interest were discussed, including security partnerships, student welfare, and drug abuse sensitization initiatives.

The Principal emphasized the campus's commitment to working closely with government authorities to maintain a safe and conducive

environment for learning and personal development.

Ms. Lairumbi welcomed the gesture and expressed her appreciation for the visit. She reaffirmed her office's readiness to collaborate with the campus leadership in

Mr. Nyagudi, highlighted the growing concern over drug and substance abuse among the youth and underscored the importance of proactive community education and sensitization campaigns. In response, Ms. Lairumbi pledged support from her office in facilitating community outreach programs and law enforcement coordination where necessary.

Ms. Mutegi added that beyond security, the campus is also interested in fostering stronger civic engagement and social responsibility among students through partnerships with government and community leaders.

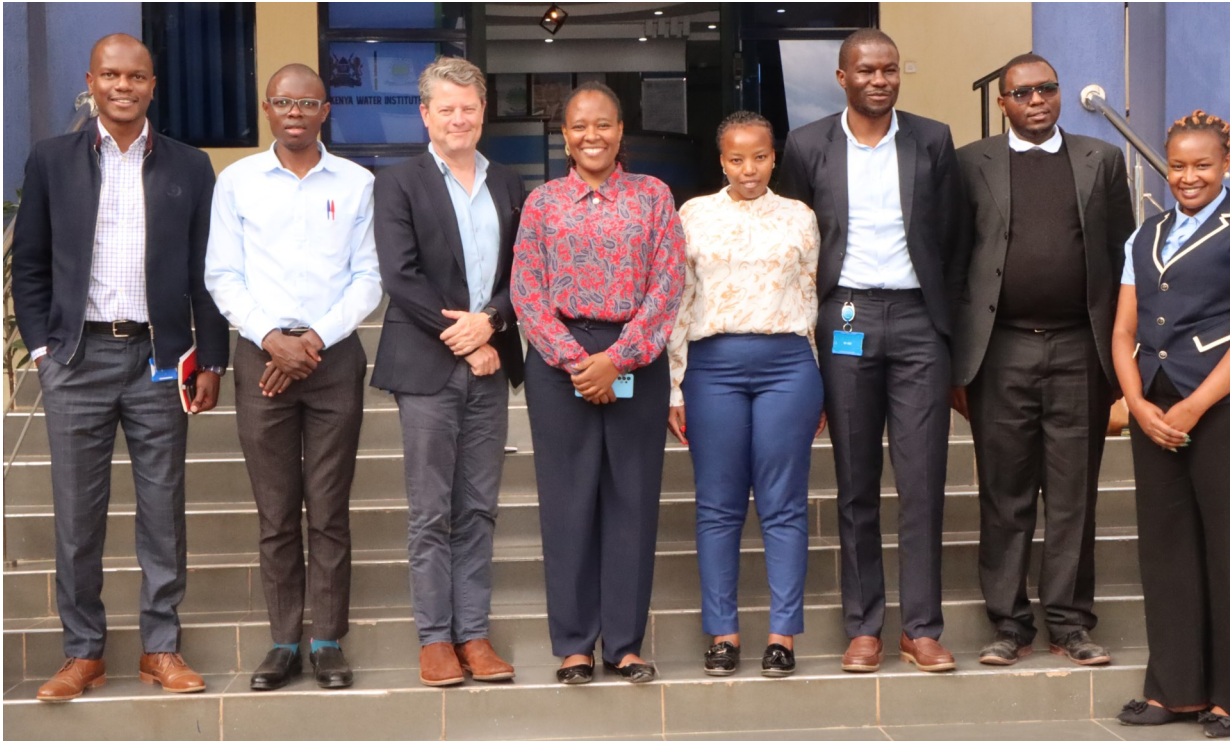
The meeting concluded with a shared commitment to sustained communication and the establishment of joint initiatives aimed at promoting safety, discipline, and development within Chiakariga and its surroundings.



Mr Justus Wesongur, Principal Chiakariga and team during his courtesy visit to the deputy commissioner.

addressing emerging challenges affecting youth in the region, particularly around security and drug abuse prevention.

KEWI-DI: Strengthening Partnerships for Sustainable Water Solutions



The KEWI and Danish Embassy officials pose for a group photo after an impactful and productive meeting.

BY: BRITNEY MOKEIRA

The Institute recently held a productive meeting with the Embassy of Denmark in Kenya. This engagement marks a deepening of the ongoing collaboration between the two institutions, anchored on a shared vision of strengthening the country's water sector through innovation, technology transfer, capacity building, and inclusive development.

One of the key outcomes of the meeting was the discussion around forming an alliance of Danish water industries to work in partnership with

KEWI. This proposed alliance is expected to play a transformative role by facilitating the transfer of cutting-edge water technologies and best practices from Denmark to Kenya. Denmark has long been recognized as a global leader in sustainable water management, and tapping into that expertise, will be instrumental in addressing Kenya's own water-related challenges. With climate change, population growth, and urbanization putting increasing pressure on water resources, adopting proven

sustainability of water management systems but also open up opportunities for students, researchers, and practitioners in the Kenyan water sector to benefit from international exposure and collaboration.

Another central focus of the meeting was bridging social gaps in water education. Both KEWI and the Embassy of Denmark emphasized the importance of adopting inclusive and innovative approaches that ensure equal access to water education and opportunities across diverse populations. This includes

international solutions is more important than ever.

Through this alliance, KEWI will have access to innovative tools and knowledge that can be integrated into training, research, and service delivery.

This will not only improve the efficiency and

KEWI-DI: Strengthening Partnerships for Sustainable Water Solutions



The KEWI team and Danish Embassy officials during a collaborative meeting.

targeting historically marginalized groups such as women, youth, and rural communities, who often face significant barriers in accessing technical education and participating in decision-making within the water sector.

To ensure that these goals are met, both parties agreed on the development of a clear working framework. This framework will guide the next steps of the partnership, providing a structured approach to planning, implementation, monitoring, and evaluation of joint activities. With defined roles, responsibilities, and milestones, this framework is expected to enhance

coordination and accountability, ensuring that the partnership delivers meaningful and measurable impact.

The Kenya Water Institute is excited about the opportunities this collaboration presents for advancing water sector

challenges.

KEWI extends its heartfelt appreciation to the Embassy of Denmark for its continued support and commitment to building impactful partnerships. The collaboration represents not just a bilateral engagement, but a shared commitment to securing a

training, research, and development. By fostering strong international partnerships, KEWI aims to build a more resilient and inclusive water sector that can effectively respond to both current and future

sustainable water future for all Kenyans.



State Department for Irrigation Champions Water Security and Sustainable Agriculture in Schools



The principal secretary, State Department for Irrigation CPA, Ephantus Kimotho, CBS launches the drilling of a borehole during the launch of a school water project program at a school.

BY: PIUS KIMANI

The State Department for Irrigation has reaffirmed its commitment to enhancing water supply and sustainable agriculture in schools across Kenya, through a robust national program aimed at advancing micro irrigation and water infrastructure. This comprehensive initiative, known as the School Water Project, is designed to tackle the pressing challenge of water scarcity in schools and to support both domestic use and agricultural activities within these institutions.

Under this program, the State Department for Irrigation is prioritizing the development of reliable water supply systems that include the drilling of boreholes and the establishment of micro irrigation frameworks. These efforts are specifically targeted at primary and secondary schools that have long suffered from inadequate water access, particularly during prolonged dry spells that leave shallow wells and other water sources dry.

One of the most recent beneficiaries of this initiative is Muguga Primary School in

K a b e t e Constituency. Currently, the school depends on a shallow well that often fails to meet the demands of the 1,200 pupils, 24 teachers, and 6 support staff, especially during the dry season. Recognizing the critical need for a sustainable and reliable water supply, the State Department has initiated the Muguga Primary School Micro Irrigation Project, which is set to be

implemented over the next three months.

Principal Secretary for Irrigation, CPA Ephantus Kimotho, CBS, officially launched the project, in company of the local Member of Parliament Hon. James Githua Wamacukuru. The project is poised to transform water access and promote sustainable agricultural practices within the school, setting a positive precedent for other schools across the country.

The Muguga Primary School Micro Irrigation Project

State Department for Irrigation Champions Water Security and Sustainable Agriculture in Schools

encompasses several key components that underscore its ambitious scope and sustainability goals. These include the drilling and equipping of a borehole, the construction of a pump house and multiple water points to ensure comprehensive water distribution, and the installation of a solar stand and solar panels to provide sustainable energy for the entire system. Additionally, the project will involve erecting a steel tower with an elevated steel water tank to store and distribute water efficiently. Notably, the initiative also includes setting up greenhouses and providing related agricultural accessories, which will play a crucial role in supporting the school's agricultural activities.

A standout feature of the project is its commitment to sustainability, with the entire system powered by solar energy. This approach is not only environmentally friendly but also significantly reduces operational costs, ensuring that the system remains functional and cost-effective in the long term.

Speaking at the launch, PS Kimotho emphasized the importance of engaging school children in sustainable agriculture, especially through greenhouse farming. He noted that integrating practical

Tanui, and Director of Land Reclamation Thandi Githae. Their presence underscored the government's collective commitment to improving water access and promoting climate-smart agriculture in



agricultural skills within the school curriculum is a vital strategy for fostering national food security and equipping the next generation with essential knowledge about environmental stewardship and self-sufficiency.

The Principal Secretary was accompanied by Secretary Administration Yatich Kipkemei, MBS, Secretary for Land Reclamation, Climate Resilience and Irrigation Water Management Joel

schools nationwide.

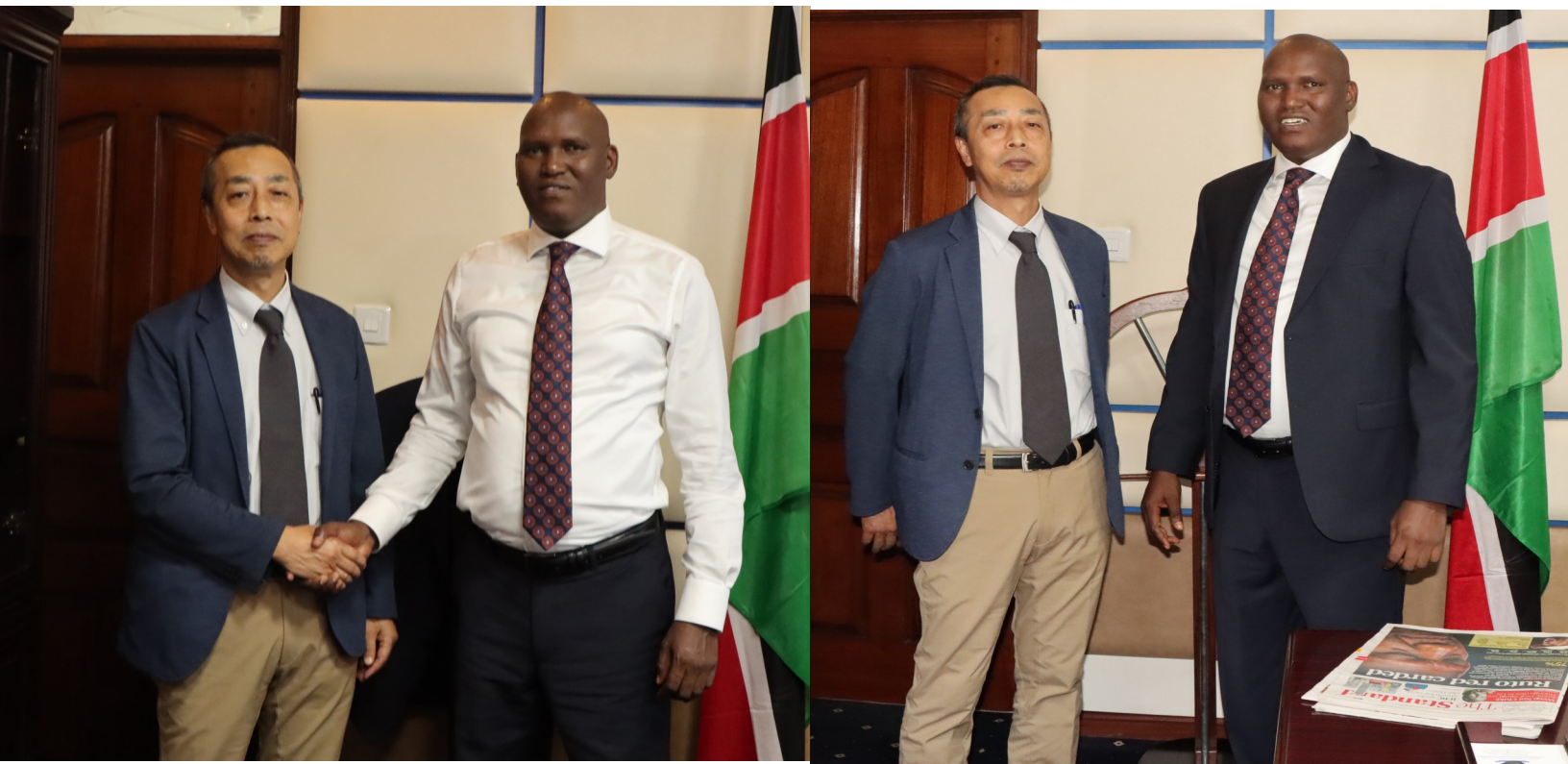
As the State Department for Irrigation continues to expand these efforts, the School Water Project stands as a proof to the power of targeted investments in infrastructure and sustainability to uplift educational institutions and communities. By ensuring reliable water supply and promoting agricultural innovation, the initiative is poised to make a lasting impact on Kenya's education and food security landscape.

Round Up of The Week's Event



KEWI Students during a guidance and counselling session led by Madam Rebecca Njeri.

Round Up of The Week's Event



Dr. Hanatani Atsushi, Japan International Cooperation Agency expert, paid a courtesy call to the Kenya Water Institute (KEWI), where he met with CEO Dr. Leiro Lentangule and Mr. Walter Moseki, the KEWI-JICA Non-Revenue Water Coordinator, to discuss customer onsite training for Turkana County water service providers.

Picture of the week



Mr. Jabez Nyagaya Engineering Instructor at Nairobi Campus explains how the newly assembled Automatic Meter Test Bench operates, highlighting its key features and the benefits it brings to enhancing meter calibration and testing efficiency at the institute.

EDITORIAL TEAM

Editor

Dorine Eva Irungu

Pius Kimani

Writers:

Britney Mokeira

Faith Genesis

Korir Kipkirui

Photographer

Pius Kimani

Designer

Pius Kimani

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 Diploma in Water, Sanitation Engineering Technology (DWSET)
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 Diploma in Information Communication Technology (DICT)-KNEC
 Diploma in Water Laboratory Technology (DWLT)
 Certificate in Wastewater and Sanitation Engineering Technology (CWSET)
 Certificate in Water Resources Management Technology (CWRMT)
 Certificate in Information Communication Technology (CICT)- KNEC
 Certificate in Water Laboratory Technology (CWLTL)
 Certificate in Water Engineering Technology (CWET)
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- Meter Reading
- Sewerage Operations

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Mission

To offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

Core Values

Good Corporate Governance
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GET IN TOUCH WITH US

The Director,
Kenya Water Institute,
P.O. Box 60013-00200 Nairobi
TEL: +254 722-207757
Email: info@kewi.or.ke
Website: www.kewi.go.ke

For enquiries about our TVET programs
Contact the Registrar, Admissions Office.
Phone: 0735339206
Email: admissions@kewi.or.ke

KEWI Nairobi Campus
P.O. BOX 60013 – 00200
Tel: 0722207757
Email: info@kewi.or.ke

KEWI Chiakariga Campus
P.O. BOX 12 – 60215
Tel: 0729009104
Email: chiakariga@kewi.or.ke

KEWI Kitui Campus
P.O. BOX 1514 – 90200
Tel: 0707566395
Email: kitui@kewi.or.ke

KEWI Kisumu Campus
P.O. BOX 7825 – 40100
Tel: 0746212708
Email: kisumu@kewi.or.ke

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