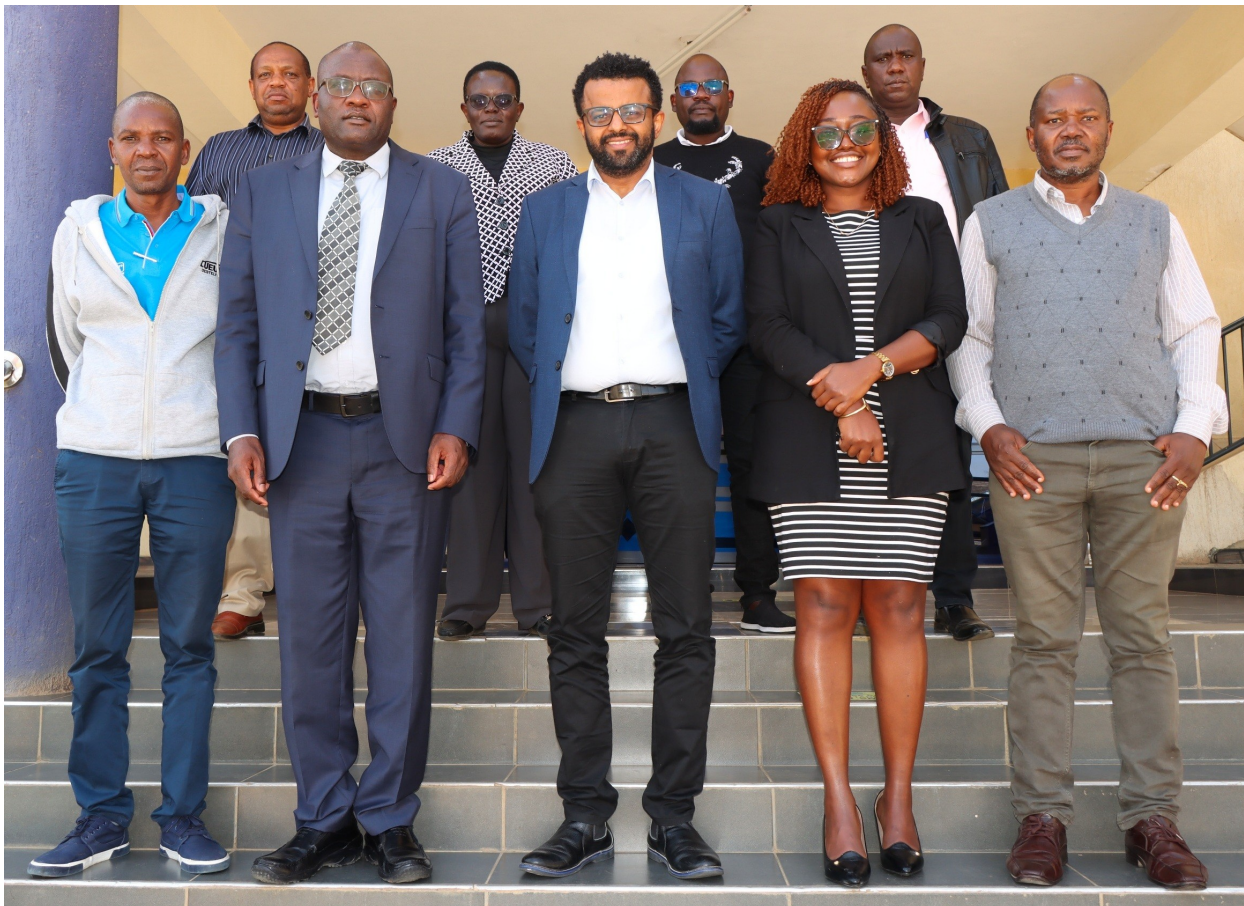


July 15-21, 2023

KEWI and WILO hold talks on Possible Areas of Collaboration



KEWI Deputy Director Corporate Services Mr. Eric Wamiti (2nd left) and WILO Managing Director Belete A. Matebe (centre) in a group photo.

BY PIUS KIMANI

Kenya Water Institute (KEWI) and WILO, a leading German company in water and related equipment are exploring possibilities of partnership with an aim of jointly tapping into the technological developments that are getting rolled out in the water sector by the two parties.

Speaking during a joint

meeting held at KEWI headquarters in Nairobi, the Managing Director, WILO East Africa Belete A. Matebe, termed KEWI's strong industry and institutional linkage and its unrivalled closeness to markets and potential customers as some of the areas the company wants to take advantage of, as it goes forward to partner with the institution.

During the meeting, both institutions mulled over on

HIGHLIGHTS

- 2 KEWI and WILO hold talks on possible areas of collaboration.
- 4 A glimpse into KEWI's Laboratory Chronicles.
- 6 Call for application.
- 8 Long and short-term programs.

KEWI and WILO hold talks on Possible Areas of Collaboration

areas of collaboration which included curriculum development in pumping field, capacity building of KEWI staff that are expected to help roll out the new technologies, students' attachment programs and joint research and innovations within the pump and pumping industry.

KEWI Head of Short Courses and Curriculum Development Mr. William Oduor lauded the idea terming it as a timely venture that will herald a new way of doing things both in the institute and across the larger water sector.

"KEWI will stand to gain immensely with this arrangement as her students will not only get practical training opportunities and exposure in the latest pumping technologies but will also be bold enough to roll out such knowledge in the market."

If implemented, the MOU envisages the possibilities of equipping KEWI laboratories with modern pumping technologies for purpose of capacity building and continuous knowledge dissemination.

With pumping of untreated sewage becoming increasingly demanding due to the varying feeding conditions which often lead to clogging in the pressure

pipe network, the MOU may see WILO roll out innovative pressure drainage system innovation which uses Nexos Intelligence that networks, monitors and controls the individual pumping stations for reliable and energy-efficient pressure drainage.

This coupled with the robust capacity building of water practitioners and related utility companies, will help such utility companies overcome the challenges occasioned by water resource scarcity, climate change and the increasing urbanisation which are rapidly changing the requirements on water management of the future:

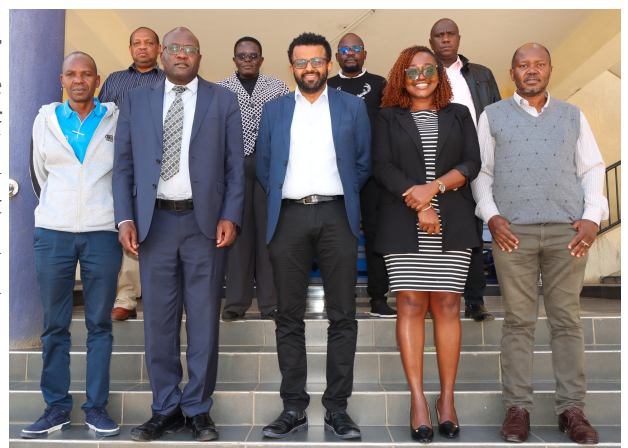
"High energy costs occasioned by the kind of pumps used have remained as an impediment on how we manage our water and related costs. Once rolled out, the training coupled with the new technologies especially the Smart Water Systems, will enable the water practitioners enhance efficient operation of their products in order to protect resources and prevent potential outages in advance." Mr Oduor asserted.

Since its establish-

ent in 1872, WILO has pioneered successful innovations and has established market segments across 3 areas ie Building Services, Water Management and Industry. It has a huge domination and megatrends for future potential in globalization, urbanization and digitalization

In its attempt to solve the water menace occasioned by the complexity of the challenges to the urban water infrastructure, WILO realized that such required modern, holistic solutions in which urban infrastructures and many areas of life are connected with each other digitally and intelligently. This would only be successful if monitoring, modeling and managing the vast infrastructures is intelligently connected by digital solutions.

Towards this, and once the MOU is finalized, the company



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is keen to roll out in collaboration with KEWI, its comprehensive information and communication technologies and smart applications.

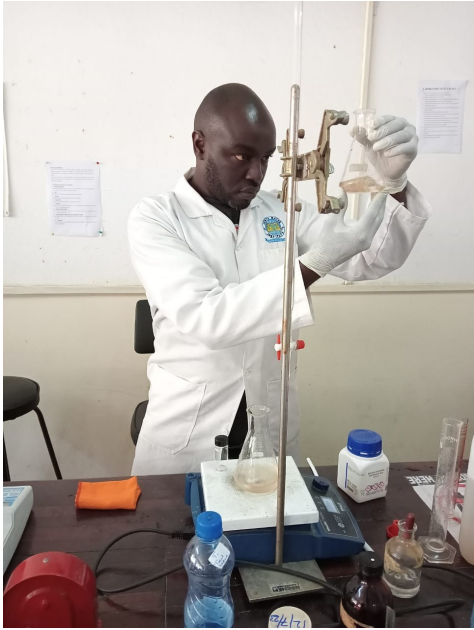
Dubbed Fault signal assistant the innovation contains basic information on possible fault signals, which may be shown on the pump display of certain WILO products. With some fault messages, the tool shows the cause of the fault, a description of the fault, and a possible remedy including basic instructions.

This innovation makes it possible to monitor the operating status of any pump systems at different properties- even from the comfort of a remote office - enabling one to react immediately in the event of a fault.

In attendance were Belete A. Matebe Managing Director, WILO, Christine K. Amira, WILO, Sustainability and Communications Manager WILO East Africa, Mr. Eric Wamiti, Deputy Director, Corporate Services, KEWI, Ms. Dorice Situma, Head of Department, Water Resources and Environmental Management, KEWI, Mr. Henry Kobia Senior Principal Registrar, KEWI, Mr. George Maina, Senior Lecturer, KEWI, Mr. Peter Nawiri, Senior Principal Planning, Resource Mobilization and Business Development, KEWI and Mr. William Oduor, Head of Department Short Courses and Curriculum Development.



A Glimpse into KEWI's Laboratory Chronicles



Mr. Ken Mwango at KEWI Research Lab.

BY KEN MWANGO

Ken Mwango, a Consultancy and Technical Officer at KEWI explains that it is always a beehive of activities at KEWI Research Laboratories that are located at Landimawe in Industrial area, Nairobi.

The research facility has been handling clients from all walks of life who come calling in need of water tests and other services that are offered.

The research lab which has been in existence for more than 15 years has remained instrumental in offering top-notch water quality services attracting more than 80 clients a month.

"We are experiencing an upsurge in the number of clients we handle lately at this facility. Averagely, we handle 3 to 5 clients any single day who include individuals, public and private corporates." Mwango asserts.

A typical day at the Research Lab begins with the whirling sounds of Magnetic stirrers, the clanging sounds of glassware and slipping on of gloves. Analysis of various water samples begins on a typical day early in the morning.

"We receive these samples once our esteemed clients have processed the payment required. What follow is registration and final submission and labelling of water samples to be tested for the next 3 to 5 days and give a report with the breakdown of concentration of various parameters."

The Research Lab which works in tandem with the Water Quality Lab at KEWI Headquarters in South C, Nairobi has been instrumental in carrying out Chemical or Physical, Bacteriological and Wastewater research analysis for diverse clients in Kenya and outside Kenya.

Water research and analysis forms the basis of the daily

activities at the laboratory. However, the laboratory is not restricted to these objectives. The experts based there have remained instrumental in other related activities which include but not limited to hydro geological surveys and environmental impact assessment drilling services.

"We are involved in Research and mapping out data on water resources in Kenya. This helps us in implementing borehole and drilling services to tap into water resources and provide communities with access to this precious commodity."

To enrich the technical arm of the institute, Mr. Mwango and his team participate in writing of concept papers and proposals which subsequently enable KEWI to reach out to clients who would be interested in its consultative services.

Mr. Mwango explains that, in a bid to impact positively to as many young and upcoming researchers in this sector, the laboratory hosts many interns and attaches drawn from both KEWI and other institutes who work with them.

"This helps them gain valuable experience which

A Glimpse into KEWI's Laboratory Chronicles

they can use going forward in their careers. They form a youthful energetic team that help us implement our objectives as they gain skills in the Lab."

The Research Laboratory indeed forms part of a critical component in service delivery especially now that KEWI enters a crucial phase in its pursuit to rebrand to Kenya Water

suit to rebrand to Kenya Water Training and Research Institute (KEWATRI).

With this KEWI will ultimately achieve its main goal which is to offer Competency-Based Training, Research, Innovation, Consultancy and Outreach services in the water sanitation and irrigation Sector for sustainable development.

WATER FACT

We never know the worth of water till the well is dry.

-Thomas Fuller.

Quote of the Week

"No one can whistle a symphony. It takes a whole orchestra to play it."

-H.E Luccock.

EDITORIAL TEAM

Editor

Dorine Eva

Writers:

Pius Kimani

John Waweru

Korir Kipkirui

Abigael Songok

Photographer

Pius Kimani

Designer

Pius Kimani

CALL FOR APPLICATION



MINISTRY OF WATER, SANITATION & IRRIGATION
KENYA WATER INSTITUTE



SEPT 2023 INTAKE

Certificate in Water Engineering Technology REQUIREMENTS

KCSE Mean Grade D(plain) OR Artisan Course qualification from KEWI or any equivalent National Qualification OR As determined by an Academic Board

TUTION FEE PER SEMESTER

Ksh. 21,800

DURATION

2 Academic years

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OR

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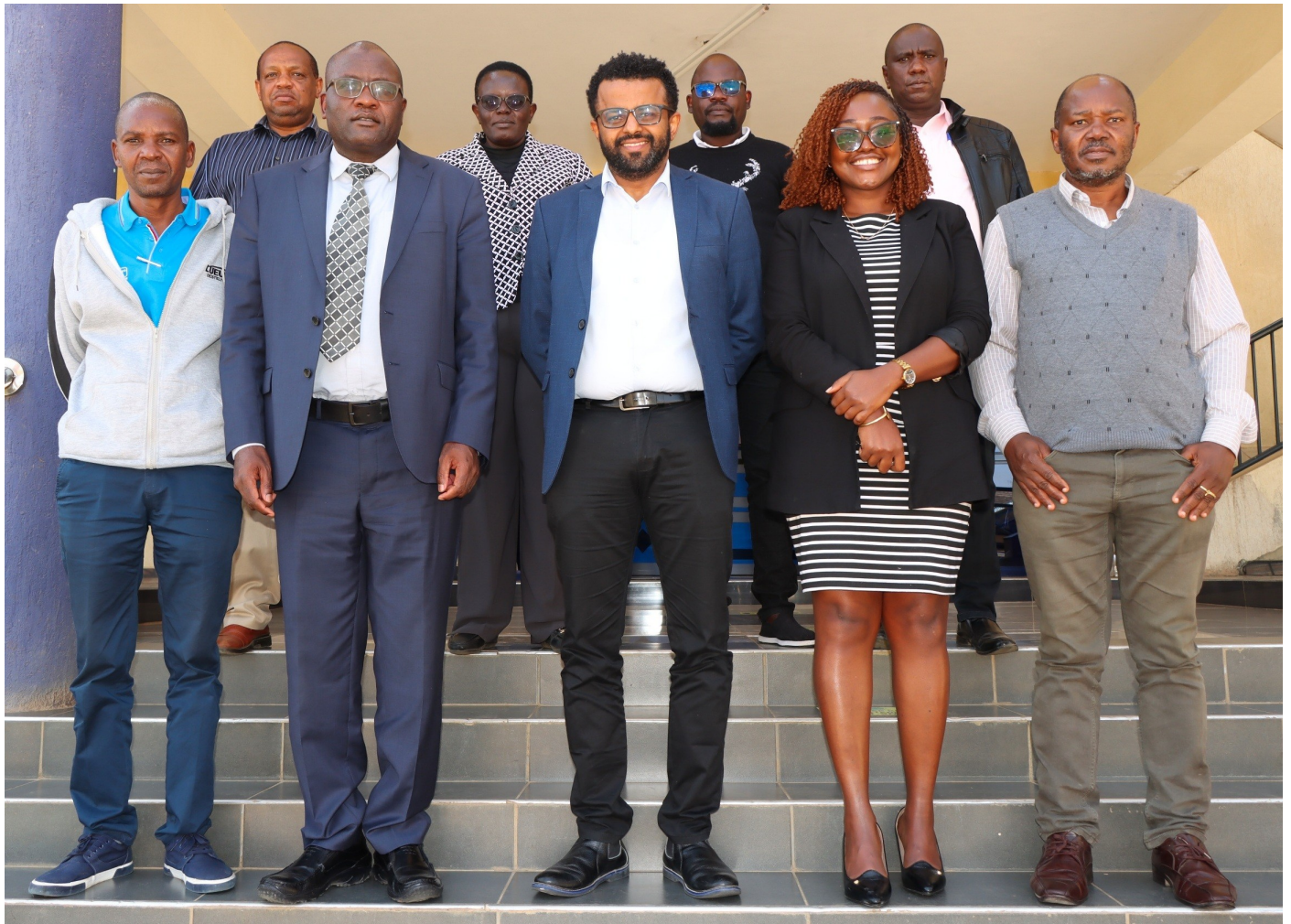
The Director, Kenya Water Institute,

P.O. BOX 60013-00200 Nairobi, not later than 18th August 2023.

Round Up of the Week's Events



Wastewater Engineering students carrying out an assignment to collect wastewater samples at Dagoretti Slaughterhouse and at the New Kenya Co-operative Creameries LTD for a Bio Oxygen Demand (BOD) Test.



KEWI Deputy Director Corporate Services Mr. Eric Wamiti(2nd left), WILO Managing Director Belete A. Matebe (centre), Christine K. Amira, Sustainability and Communications Manager, WILO (2nd right) and KEWI members of staff.

Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater
 Diploma in Water, Sanitation Engineering Technology (DWSET)
 Diploma in Water Resources Management Technology (DWRMT)
 Diploma in Irrigation and Drainage Engineering Technology (DIDET)
 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)
 Drilling Operations and Management (DOM)
 Plumbing and Pipe Fitting (PPF)
 Water Operators Course (WOC) in:

- Water Supply
- Meter Reading
- Sewerage Operations

Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management
 Entrepreneurship and Financial Management for Water Managers
 Operation and Maintenance of Water Supply Networks
 Metering and Installation of Water Supply Networks
 Leak Detection & Repair techniques
 Drilling Operations and Management (DOM)
 Operation & Maintenance of Pumping Stations
 Pump Selection, Installation and Maintenance
 Plumbing, Pipe Fitting and Solar Water Heating
 Instrumentation for Water and Wastewater Systems
 Water Governance, Management and Technology
 Application of GIS for Water Utilities Mapping
 Drilling Operations and Management
 Water Quality Sampling and Testing
 Microbiological Water Quality Assessment
 Integrated Water Resources Management
 Non-Revenue water
 Water Management
 Customer Care

Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

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
Professionalism
Customer Focus
Innovativeness
Inclusivity
Patriotism
Integrity

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 programmes

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

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P.O. BOX 1514 – 90200

Tel: 0707566395

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P.O. BOX 7825 – 40100

Tel: 0722207757

Email: kisumu@kewi.or.ke

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