

## **Water Management Project:**

Resulting from collaboration with the National Water Commission, the University of Technology, Jamaica embarked on an ambitious programme of water management in an effort to further advance its sustainability goals. Spearheaded by the CSEII in collaboration with the Facilities Management Department and independent consultants, the following initiatives have been undertaken:

- **Water Use Assessment Report**

This assessment involved a detailed review of consumption patterns, property supply lines, the internal distribution network and the plumbing equipment and fixtures within the buildings. After which, a comprehensive leak detection exercise for sixty-five (65) locations/facilities and their related fixtures was conducted. The findings indicated that a total reduction of 4.9 Million liters per month can be achieved, if recommended plumbing retro-fits and other water saving initiatives were to be executed. Implementation will be done in early 2022.

- **Installation of Smart Water Meters**

Fifty four (54) Smart Water Meters (Diehl) were installed in a bid to obtain and manage building level water use. The meters allow for a more efficient means of monitoring, and targeting improvements for poor performing buildings/facilities. Remote reading of the meters will be available in later stages of the project implementation. The project also provides opportunities for research and has already engaged graduate students.

- **Water Management Plan**

The final goal of the Water Management Project is to have an ongoing plan that will serve as a point of reference for the University's daily operations and will guide future endeavours to:

- Maintain and or improve water resource management and monitoring
- Deploy water conservation opportunities
- Promote conditions for environmental sustainability, economical efficiency and equitably allocated use of water resources.



Left to right

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