Intelligent Water Management Saves $3.5M

HAWAIIAN UNIVERSITY EXPANDS INFRASTRUCTURE WHILE REDUCING WATER IMPACT IN RESOURCE-LIMITED ENVIRONMENT

UofN Kona (UNK) optimized water usage through bluebot, advancing sustainability goals.

With Lookout Labs' bluebot, UNK's water usage assessment across 17 buildings and 21 irrigation zones revealed a peak occupancy average consumption of 44,800 gallons/day. As UNK aims to house 2,500 individuals, data captured by bluebot's minimally invasive ultrasonic metering technology was pivotal in justifying water credits sought from Hawai'i County's Department of Water Supply.

Real-Time Data Insights

With 38 bluebot metering systems distributed across the UNK infrastructure, UNK derived actionable insights. Specifically, daily per capita indoor water use remained below 40 gallons for all but 4 days. Such data provided a clear picture of consumption and enabled timely interventions.

Leak Detection + Alerts

Leaks, left undetected, can escalate water and utility costs and compromise infrastructure. Bluebot's advanced monitoring system played a pivotal role here. Bluebot quickly identified two major water leaks before substantial wastage occurred preventing further cost overrun and potential damage.

Usage Benchmarking

Detailed consumption data from bluebot meters drove effective benchmarking. As an illustration, the Cafeteria's water usage during Q4 2022 averaged 2,150 gallons/day. When juxtaposed with the campus occupancy of 1,158 residents, this translates to an approximate consumption of 2 gallons/day per resident.

"The substantial cost savings achieved by UofN Kona showcase the significant benefits that the bluebot intelligent water management solution can give all institutions, businesses, and communities striving for water conservation."

MATTHEW OLIN
CEO, bluebot

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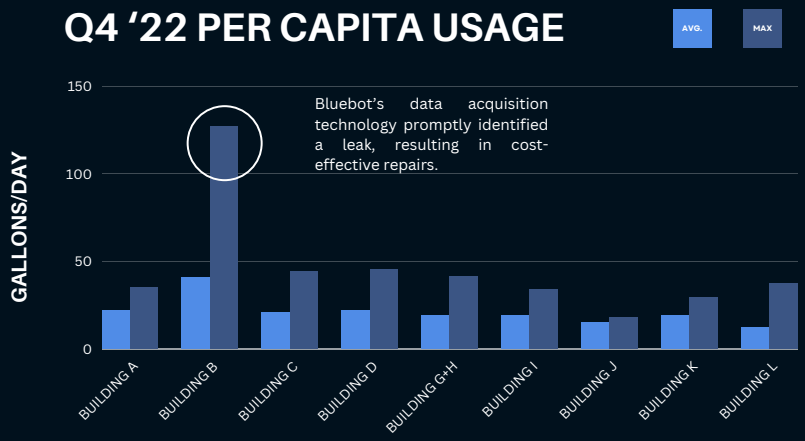
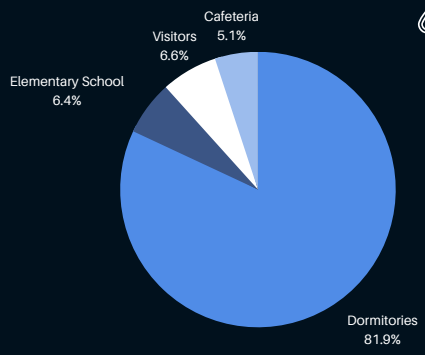
PERFORMANCE DATA

Q4 '22 PER CAPITA USAGE



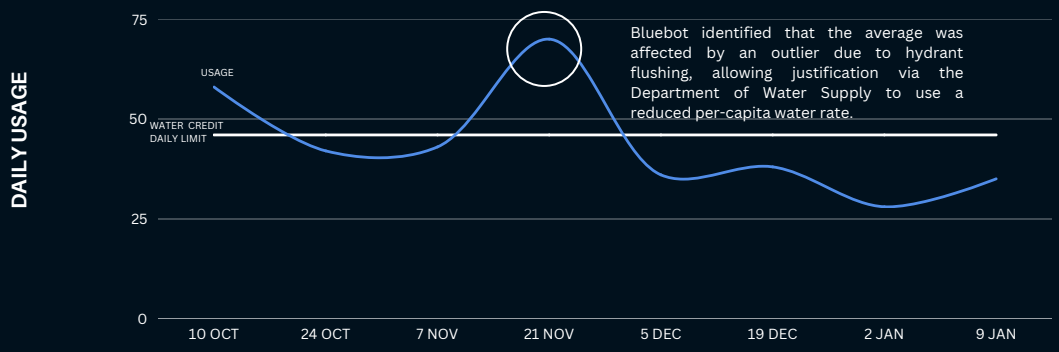
BREAKDOWN



DAILY WATER USAGE (GAL.)

44,800

TIME-HISTORY



PROJECTIONS

90K GAL./ DAY ACROSS UNK

64% BELOW THRESHOLD

$3.5M SAVINGS JUSTIFIED

The University of the Nations Kona's strategic deployment of bluebot not only optimized water usage but also translated into significant financial savings. Over two quarters, bluebot's meticulous data collection illuminated consumption trends across the campus, from individual dormitories to expansive irrigation zones. This precision, exemplified by the swift detection of anomalies like the leaks, played a pivotal role in securing reduced water rates, resulting in an impressive **$3.5M in savings** when considering the planned expansion initiative. The stark contrast between the cafeteria's steady water demand and the variable needs of dormitories and irrigation zones emphasizes the financial implications of such detailed monitoring. As Lookout Labs showcases this success, we urge institutions and communities globally to recognize Bluebot's potential: turning real-time data into substantial economic and environmental dividends. Embracing this technology not only fosters sustainability but also drives a new era of resource management efficiency.

With bluebot's monitoring capabilities, UNK has transformed real-time water usage data into tangible financial savings and justified a resource-efficient infrastructure expansion.

DIVE DEEPER INTO SUSTAINABLE WATER PRACTICES WITH BLUEBOT. CONTACT US TODAY TO MOVE TOWARDS A WATER-WISE FUTURE.

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