

Case Study

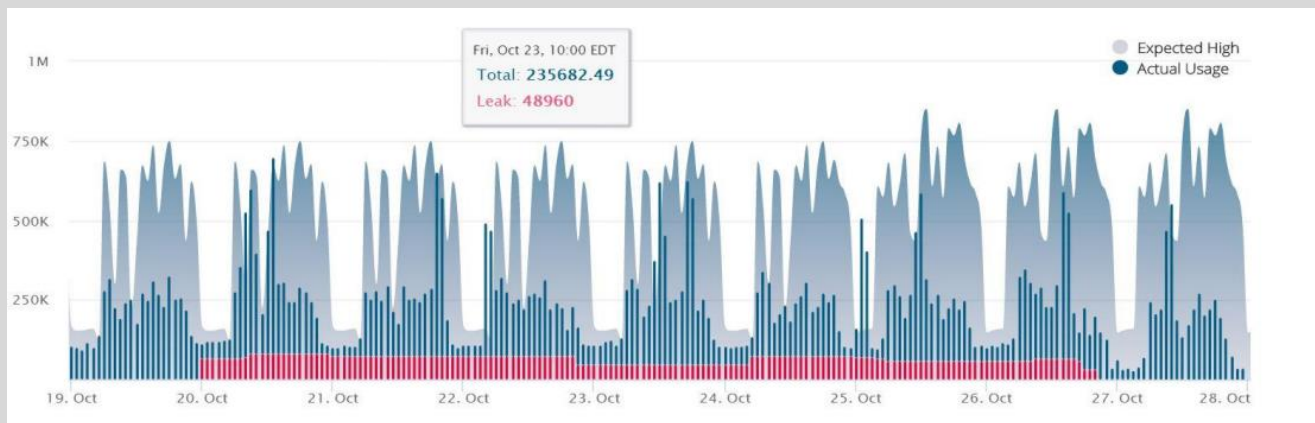
High Domestic Water Usage

BACKGROUND:

A large long-term care facility uses an Alert Labs FLOWIE-O sensor to remotely monitor its water usage through the main municipal water meter. The facility's water consumption is influenced by patient care, food service, laundry, and cleaning services, with an average usage of 15 cubic meters per hour. Peak usage occurs between 6:00 AM and 8:00 PM, while overnight usage is typically 15-20% of daytime consumption.

PROBLEM IDENTIFICATION:

In October 2021, the FLOWIE-O sensor detected a significant increase in water usage, recording an average consumption of over 23 cubic meters per hour—an increase of approximately 6,000 liters per hour. The abnormal usage continued overnight, indicating a 24-hour water loss. This alerted the maintenance team to a potential leak or system issue.



SOLUTION:

Upon receiving the alert, local staff investigated and identified the source of the water loss to be multiple broken plumbing fixtures. They were able to resolve the issue, and by October 26, the water consumption returned to normal levels.

CONCLUSION:

The WATERSHIELD system successfully detected the unusual increase in water usage, allowing for quick intervention. If left unattended, this water loss would have cost this facility \$600-\$700 per day.



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