

# MULTI-SITE RETAILER REDUCES WATER USE BY 22%.

## PROBLEM: WATER WASTE GOES UNNOTICED.

This retailer with multiple locations has a variety of departments like pharmacy and grocery in each facility. Water infrastructure was easier to ignore than manage because it was hidden across equipment and people.

Water waste went unnoticed, from a hose left running to a malfunction hidden inside a cooling tower. Operational use patterns varied widely between shifts. Damage to property and inventory were real threats.

## SOLUTION: TAKE CONTROL.

Today, this is controlled proactively. APANA's smart sensors scan water infrastructure 24/7 to provide data down to the second. When waste is detected, cloud-hosted analytics instantly pinpoint mechanical failures and operational breakdowns at the source. Direct alerts then guide staff with step-by-step instructions to resolve problems.

## RESULT: IMPACT FROM FRONT-LINE TO BOARDROOM.

Our client now knows instantly if there is a water problem, where it is occurring, and how to resolve it. As a result, water use has been cut by 22% on average. The investment payback period was 18 months. Consider these examples that improved performance:

- **Risk mitigation.** The client avoided a large insurance claim because staff was instantly notified about a leak that was flowing down a wall into stored inventory. In another case, APANA identified a failure in an underground irrigation system. Left undiscovered and unfixed, the leak would have severely damaged pavement and possibly caused a parking lot to collapse.

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- **Correcting operational water waste.** APANA pinpointed an issue after a service provider performed maintenance on a cooling tower. Left undetected, this would have been a 30-day, 345,000-gallon waste event.
- **Diverse mechanical malfunctions.** Two malfunctions were detected in a water softener system. In addition to using 40 percent more water than required, the system was not rinsing properly due to mechanical failure. In another case, APANA identified a malfunctioning pressure release valve that had been wasting 1,800 gallons per day of hot water for over a year. In both cases, APANA alerted staff instantly.

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## ABOUT APANA.

All buildings waste water. APANA is on a mission to eliminate water waste from every building. Whether a smaller operation or a large, multinational organization, APANA has a solution to meet your needs. If water is relevant to your operations, contact us to discuss specifics. Visit APANA at [www.apana.com](http://www.apana.com), email [info@apana.com](mailto:info@apana.com) or call **360.746.2276** to learn more.

