

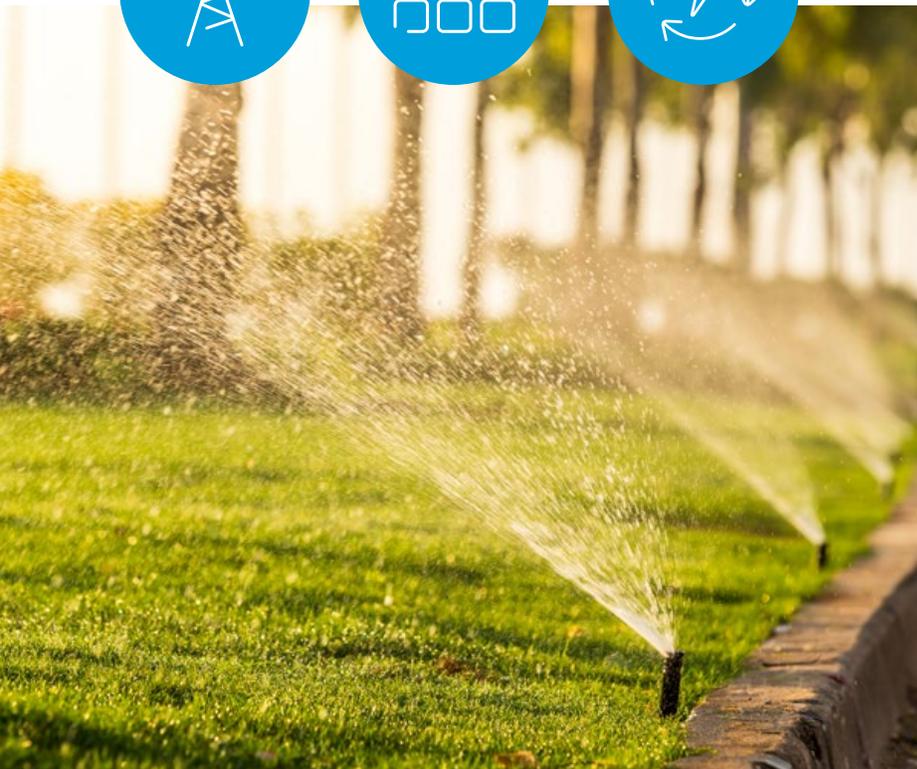
Smart Irrigation

Public-serving entities, such as municipalities and government agencies, strive to address water sustainability mandates and requirements. These efforts seek to reduce water and energy usage, lower operating costs, and minimize liability and risk for workers and citizens.

In the past, irrigation controllers had limited functionality as they didn't leverage Internet of Things technologies. The result is often overwatering, whereby runoff can erode the landscape or flow off site, carrying fertilizer, pesticides and animal waste into the watershed according to the EPA.¹ Equally

important is the energy wasted that is needed to move and treat water. But simply turning the irrigation system down or off is not a viable answer.

With advanced water-needs management, cities can use near real-time data and predictive analytics to manage urban landscape irrigation, resulting in reduced costs, conservation of water and energy, and protection of the watershed. AT&T has teamed with HydroPoint®, for an effective smart irrigation management system, which has been extensively reviewed in independent studies.²



The solution consists of smart irrigation controllers, flow management products and global positioning technology that leverages analytics from weather data. The data these components gather is then transmitted reliably and cost-effectively to apply the right amount of water based on near real-time weather conditions. Each controller has its own subscriber identification module (SIM) card, so it can be individually contacted for control and data collection with customized wireless network access and a self-service central management platform.



Smart irrigation

WeatherTRAK® smart controllers are AT&T cellular-enabled, commercial-grade controllers that can be deployed anywhere AT&T has coverage in the United States. By being connected to the AT&T cellular network and using weather analytics, the smart irrigation solution is able to support water conservation goals 365 days a year.

These controllers are also field smart:

- Out-of-the-box ready, easy to install with optional installation services available
- Simple to mount in a wide variety of existing enclosures
- One-step cloud access

Near real-time leak and flow monitoring

Near real-time flow visibility allows for accurate tracking of water usage, identification of leaks and breaks, and even the ability to shutdown water flow before substantial damage and water waste occurs. Flow management products are specifically designed to make retrofit installations as simple and cost effective as possible.

AT&T network

The AT&T cellular network makes it easy to manage all your smart controllers on a highly secure network adding to peace of mind. Leveraging the AT&T cellular network allows you to drive innovation for your business processes and needs.

Comprehensive sustainability services

Smart irrigation is a proven and comprehensive solution to:

- Provide turnkey installation and deployment
- Fully monitored and managed systems
- Lower water usage and bills
- Improve operational efficiency, including remote management, leading to fewer site visits
- Continually track usage and budget with notification of atypical use
- Oversee contractor and employee performance
- Compelling cost savings
- Make measurable progress toward sustainability goals
- Protect property investment

¹<https://www3.epa.gov/watersense/>

²<https://www.hydropoint.com/resources/research-studies/>

visit: att.com/smartcities

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