

AT&T Innovations

AT&T's Smart Watering is Making Waves



Smart watering uses Internet of Things (IoT) sensors and data about weather, shade, soil, plant types, and soil moisture levels. That's how it provides the right amount of water at the right time.

No more watering the sidewalks if the lawn is already saturated. No more watering in the rain or snow. AT&T is helping several companies — like PrecisionKing and WaterBit — connect systems that regulate water on farms and in public spaces. We also recently collaborated with HydroPoint Data Systems to launch AT&T Smart Irrigation. And we're already using this solution on 40 of our own buildings or campuses.

Smart Watering in Our Own Backyard

Last summer, the AT&T Smart Irrigation solution was installed on AT&T campuses and buildings in nine states, from California to Florida.

In six months, AT&T Smart Irrigation has saved us 16.7 million gallons of water and more than \$60,000.

"It allows us to use near real-time weather data and the specific watering needs for the plants in each zone at each site. We can provide the right amount of water at the right time, versus the old-school way of irrigation systems based on a timer," said Michael Zeto, head of Smart Cities, AT&T. "Smart Irrigation also monitors the flow of water in that infrastructure so you can detect leaks in pipes. The system will then turn off that zone automatically and alert the property manager so the leak can be fixed."

AT&T Smart Irrigation

Mesa, AZ	Irving, TX	Orlando, FL	San Diego, CA	Atlanta, GA	6-Month Totals*
736,800 gallons saved	4,723,120 gallons saved	4,449,000 gallons saved	81,981 gallons saved	373,000 gallons saved	16.7M gallons saved
\$6,280 saved	\$26,548 saved	\$9,657 saved	\$992 saved	\$3,173 saved	\$60,000 saved

*At 40 Buildings, Jul-Dec 2017



Smart Watering in the Rice Fields

Check out this [video](#) on PrecisionKing, which helps farmers manage the massive amounts of water needed to grow rice. We connect the pumps. The system lets rice farmers adjust water levels remotely, flooding fields only as necessary. Traditionally, rice farmers ensure their fields are under 4 inches of water — all season.

You can learn more about the use of IoT in rice farming with this [case study](#).

Smart Watering for Crops and Vineyards

WaterBit chose AT&T to provide the highly secure connectivity for its smart irrigation solution. It lets growers target irrigation for a specific terrain — and control it with pinpoint accuracy.

Find out more about WaterBit [here](#).