SMART IRRIGATION

→ The right amount of water at the right time. Smart water-management solutions connect your irrigation system to local weather forecasts.

ECONOMIC

Campbell Union School District, California, saved $ 111,000 in 6 months on their water bills, according to WeatherTrak.

SOCIAL

The system provides water use data for property managers, landscape contractors, and company executives, which educates and creates awareness.

ENVIRONMENTAL

Walmart stores equipped with WeatherTRAK smart irrigation controllers have reduced outdoor water use by 39% on average, according to the companies.

1. http://www.unwater.org

USA

www.hydropoint.com

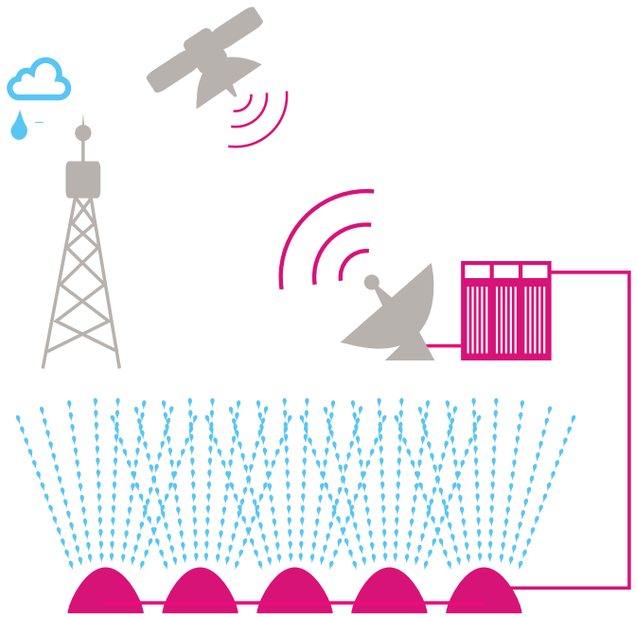
THE SOLUTION

! Using smart technology systems, the WeatherTRAK system provides a resource-efficient method of landscape irrigation. It uses local weather information to put in just the right amount of water in the right place at the right time. This is contrary to conventional irrigation systems that generally overwater, leaving you with high water bills and property damage.

The system draws on information delivered wirelessly from 40,000 weather stations that automatically schedule irrigation based on individual landscape needs and local weather conditions. Wireless sensors monitor and alert property managers to leaks. A smartphone app makes possible remote-control manual irrigation.

WHY A SUSTAINIA100 SOLUTION?

? Irrigation accounts for approximately 70% of water consumption worldwide; irrigated agriculture contributes 40% to total global food production.[1] Poor water-management systems with regards to irrigation increase global water scarcity, which adds to environmental, economic, and social problems. Investing in efficient, smart water-management systems provides a multitude of financial and environmental benefits and reduces the largest source of waste in urban areas: landscape irrigation.



AERODYNAMIC TRUCKING

→ Making semi-trailer trucks more aerodynamic significantly reduces fuel consumption and the environmental impact of the sector.

ECONOMIC

According to the company, at current fuel prices in the United States, the 1.5 billion gallons saved annually generates savings of more than $5 billion.

ENVIRONMENTAL

The potential reduction in fuel consumption from the transportation sector is estimated to prevent 16.4 million tons of CO_2 emissions annually.

USA

www.smarttrucksystems.com

THE SOLUTION

! With help from the U.S. Department of Energy's supercomputer, a South Carolina company, BMI, was able to simulate airflows around large 18-wheel trucks called semi-trailers. This led to the development of the UnderTray System, a series of wind-deflecting add-ons that improve trucks' aerodynamics.

BMI estimates that installing these wind deflectors on a semi-trailer can boost fuel efficiency of a truck by up to 12%. If the UnderTray System were to be installed on all 1.3 million of America's semi-trailers, the U.S. Department of Energy estimates that it would save 1.5 billion gallons of diesel fuel annually and reduce carbon dioxide emissions by 16.4 million tons.

WHY A SUSTAINIA100 SOLUTION?

? There will always be a need to transport goods from one place to another. According to the U.S. Environmental Protection Agency, the transportation sector in the United States accounts for more than 33 percent of the country's CO2 emissions. The UnderTray not only helps the transportation sector reduce its environmental impact, it also offers companies a significant fuel cost savings.