SenthiSYS™
Smart Soil Sensor Network
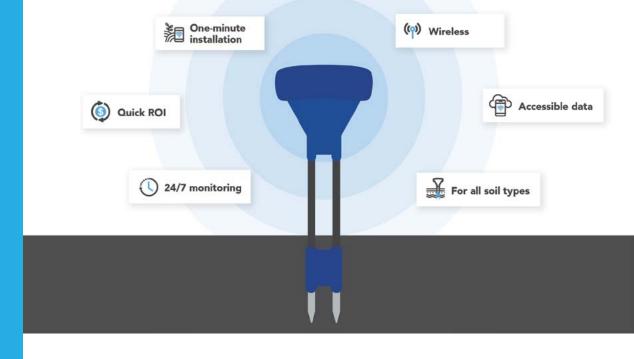
SENSOTERRA

SenthiSYS Smart Soil Sensor Network

SenthiSYS designs and implements smart networks that support a wide-variety of sensors that provide municipal decision-makers with real-time insights and alerts. Adding smart soil sensors helps local governments conserve water, save money, and make smarter irrigation decisions.

By installing soil moisture sensors in parks, rights-of-way, and other municipal maintained properties, decision-makers can be alerted when irrigation schedules need to be changed. We provide easy-to-use dashboards, reports, and alerts that enable you and your teams to make timely and more informed decisions. By integrating Sensoterra readings with other smart devices, such as smart-irrigation valves and weather station data, municipalities can improve sustainability and enhance resource conservation even more.

One-minute installation

Wireless

Quick ROI

Accessible data

24/7 monitoring

For all soil types

Precision Soil-Moisture Sensor Network

Sensoterra soil-moisture sensors monitor and measure moisture content at the root zone in any type of soil and enable users to make better irrigation decisions with timely, precise and easy-to-understand data and notifications.

The benefits include improved water conservation, lower landscaping and irrigation costs, and better maintained municipal properties.

Smart soil sensors from Sensoterra™ are an affordable technology that helps public and private communities make better irrigation decisions. Leveraging our LoRaWAN wireless network and real-time sensor data, users are able to deliver precision irrigation to parks, landscapes, commercial properties, and farms. Our data insights enable users to set soil moisture threshold notifications conduct analytics, and make better decisions.

Smarter Networks from SenthiSYS

Sensor networks can uncover hidden insights that allow municipalities to make more timely and accurate operating decisions. SenthiSYS designs solutions on a single wireless platform so that municipalities can realize operating efficiencies, experience financial benefits, and gain economies of scale.

Alternative wireless technologies, such as LoRaWAN, along with a new generation of small-form and intelligent sensing devices, have changed the economics behind smart solutions. LoRaWAN was developed to meet most smart sensor-driven applications that need a dedicated network without bandwidth competition from consumers or other users. LoRaWAN provides wide-area coverage, low-power, open-standards interoperability between devices, and secure and reliable connectivity… but without expensive high bandwidth (e.g. video) cellular or broadband networks.

Our Services

SenthiSYS offers clients an end-to-end smart solution. We help municipalities design, procure, install, and manage their sensor networks and their data. We work with trusted vendors and leverage proven project and change management methodologies to mitigate the risks associated with deploying new technologies. While we are vendor agnostic, we do believe that municipalities can realize significant financial and operational benefits by installing a single wireless network with a consolidated data management platform.

Features

- Measures soil moisture content at the active root zone

- Calibrated for all soil types

- 3-year sensor battery lives

- Available in depths of 6, 12, 24, 36 inches

- Sensors install in minutes

- 1 to 2 mile wireless range

Benefits

- Water conservation

- Lower irrigation expenses

- Data insights and analytics from any device

- Field and HQ access

MeterSYS

Advanced Metering Solutions

MeterSYS is a smart solutions consultant and systems integrator. SenthiSYS is our brand of our end-to-end smart community solutions. We have been delivering smart infrastructure solutions since 2015, primarily in advanced metering solutions, and our expertise is providing our public clients with an end-to-end reliable and cost-efficient wireless sensor network solution. We have expertise in vendor evaluation, bidding and procurement, project management, installation, systems integration, change management, and data management analytics and services.

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