

MONITORING, CALMING AND BURST ALERTING

DRINKING WATER NETWORKS



Syrinix
A Badger Meter® Brand

From small rural communities to bustling urban cities, many of today's US drinking water utilities are faced with aging distribution network infrastructure and, at the same time, restricted budgets. Pipeline preservation has never been more important, but network operations – pumps and valves – and third-party activity can cause pressure spikes that take a toll on infrastructure and increase leaks and bursts.

PATENTED HARDWARE

Automated alerts including location	Immediate notification of a burst including its location* and size estimate to reduce response times and save money.
High resolution precision data for network calming	Always-on 128Hz sampling with precision timing auto-maintained without GPS identifying a broad range of damaging pressure events and their causes*.
Easy Total / Static Head analysis	Review events on a standardized basis without distortions from total head differences.
Sophisticated "zone"/ "threshold" alerting	Configurable for individual data feeds including immediate alerts to notify users when an upper/lower threshold (eg pressure, water quality) is breached.
Automated status alerts and remote upgrading	View, manage and update units easily and remotely.
7-day diurnal reporting	Compare pressures against a rolling 7-day average with automated alerts for deviations eg due to leakage.

* with GIS layer integration

PIPEMINDER ONE



STANDARD

Flexible power options
(battery, mains, solar)



EXTERNAL SENSOR

For deep chambers or
threat of frost



HYDRANT

Fast, easy hydrant-mounting
Self-commissioning

PROPRIETARY PLATFORM

Powerful highly intuitive "RADAR" user interface

See what you want and need in detail without lengthy training / roll-out programs.

Third party data import and display

Easily import third-party data into RADAR for a "single screen view" including water quality, pressure, flow and SCADA pump / valve status changes.

Configurable automated filtering and alerts

Avoid data-overload and focus easily on what you need to with customizable alerts to highlight when important changes occur.

Secure cloud-based platform

See what you need to see from wherever you need to see it, auto-scaled for your device.

Customer API and simple data integration / export tools

Easily integrate your network data with simple to use tools and APIs for importing and exporting data sets and alarms.






Advanced GIS and Google Maps integration

Including street and satellite views and GIS overlay options to see your network as it actually is.






DATA-LED INSIGHT ON YOUR NETWORK

For the Operator

-  **Reduce leaks and bursts**
-  **Save time**
-  **Save money**
-  **Focus on what you want / need to see**
-  **Respond faster to events**

For the Utility

-  **Provide great service**
-  **Save water**
-  **Protect the environment**

"By using highly accurate data to make operational changes that calm the network, [the] pipe might get a transient once a day instead of multiple times a day. Over time, this enables LVVWD to push out pipe replacement for many years."

P. Lyle Mariam
Mechanical Engineer

Asset Management Division of Infrastructure Mgmt
Las Vegas Valley Water District

CASE STUDY

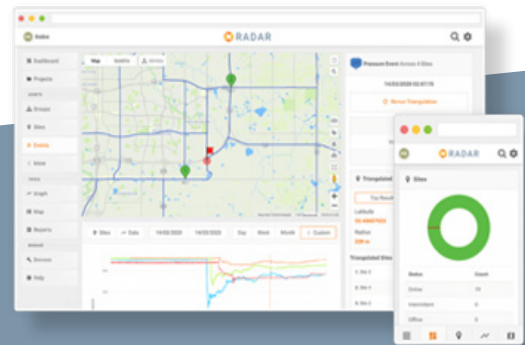
Cobb County Marietta Water Authority, Georgia

In March 2016, after a series of tapping saddle failures, CCMWA installed 10 Syrinix **PIPEMINDER** devices covering the areas where most leaks had occurred. Since that time, CCMWA has been working closely with Syrinix using the high-resolution data collected to gain the best possible information about the loop.

With the monitoring devices in place, the software platform continues to offer a simple yet powerful way to display pressure-transient data and is accessible from anywhere. Before the units were installed, CCMWA didn't have access to any real-time pressure transient data and was limited to pressure readings via its SCADA system, which couldn't provide the clarity of the Syrinix monitoring platform. Monitoring pressure transients in its network allows the utility's operators to detect the fast-developing large leaks that used to elude them, better troubleshoot immediate problems, and make better planning and asset repair and management decisions.



Read the full article in **AWWA's December 2020**
Opflow magazine.



About Syrinix

Syrinix is an award-winning global market leader in developing intelligent pipeline monitoring technologies, including the PIPEMINDER-ONE series for water and wastewater monitoring, the RADAR cloud-based network analysis platform, and Syrinix Intelligence analysis and consultancy services. Syrinix helps cost-conscious utilities move network management from reactive to proactive, detecting and mitigating network issues before they become failures.

www.syrinix.com