



Under Pressure

Sensus Analytics Pressure Profile application - remote system pressure monitoring through your entire network to ensure optimal service levels.

The Sensus Analytics Pressure Profile software application enables remote pressure monitoring capabilities, providing visibility into what's happening in your water distribution system. With the FlexNet® communication network, your system can become a smart utility network, and you will maximize return on your AMI investment by adding data points to your supply and distribution system to better understand and identify problem areas. Pressure Profile helps you to reduce leakage and bursts, and ensure proper system pressure for desired service levels.

Several deployment options are available to capture your essential pressure data and device status.

- At the service connection, you can deploy ally® residential smart water meters with integrated pressure monitoring capabilities to map the pressure at the user level.
- For OMNI commercial and industrial water meters, Sensus® Smart Gateway Sensor Interfaces with attached pressure sensors can be used to access pressure near key junctions of your water system.
- For monitoring asset performance in your distribution system, the Sensus Smart Gateway Sensor Interfaces with pressure sensors can be deployed on service and main lines, pressure reducing valves, pump stations, and storage tanks.

Regardless of where you deploy the sensors, you can expect the upmost confidence and reliable delivery of your data for a fraction of the cost of traditional remote telemetry SCADA hardware deployment. Detection of an abnormal condition can:

- Reduce water loss
- Prevent property damage
- Improve operating conditions
- Limit consequential costs due to water main breaks.

Pressure Profile alerts you to an issue at one point in your distribution system before it becomes a problem impacting multiple points and is compatible with your existing SCADA system to expand your system visibility.



Pressure Profile represents a fundamental advancement in partnering with your SCADA to monitor the operational efficiency and integrity of your water supply and distribution network.

Extend your SCADA's view with remote pressure monitoring

See the full view of your system by monitoring remote areas or blind spots SCADA can't reach.

No need to rely on a wired power supply. Smart Gateways provide 10 years of battery life.

More than reads: Incorporate alarm thresholds and other asset information.



Stand-alone pressure monitoring

Pressure monitoring as part of a suite of applications from Sensus Analytics provides an affordable solution, revealing relevant, actionable insights to help improve everything from operations to customer service.



Benefits

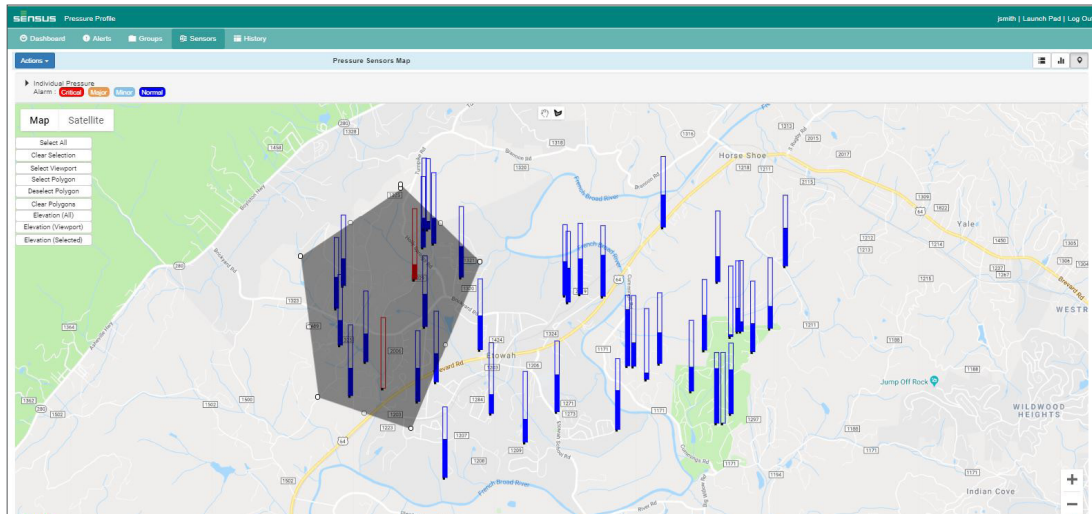
- System visibility
- Sustainability
- Cost reduction
- Customer service
- Asset optimization
- Risk reduction and mitigation

Features

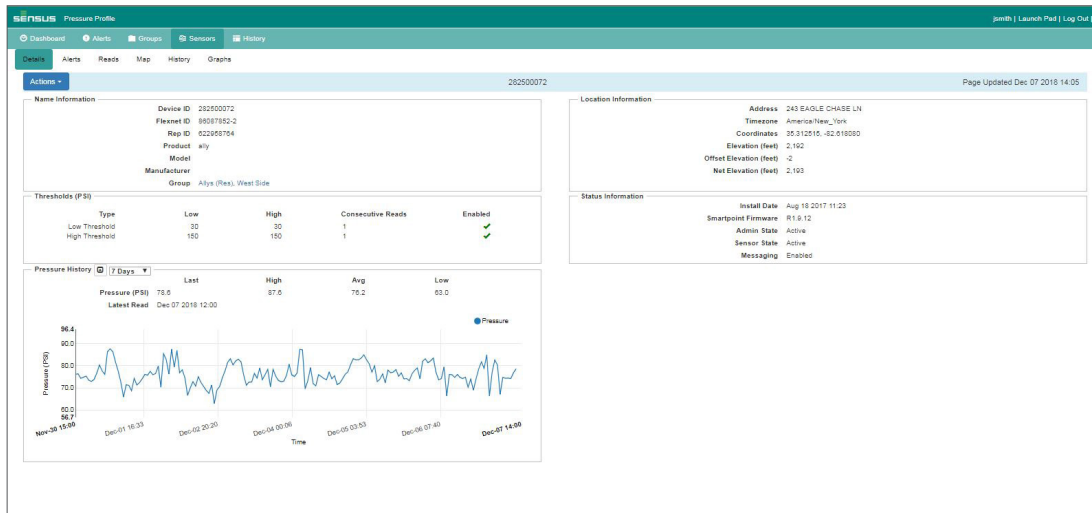
- Compatible with SCADA to enhance your vantage point
- Custom grouping for zone management, districts, water source, focus areas and service management
- Map view with elevation
- Historical graphs by single service connection and user created groups
- User configurable dashboards and alarms
- Visual map historical playback and scrubbing
- 1,000+ days of data storage



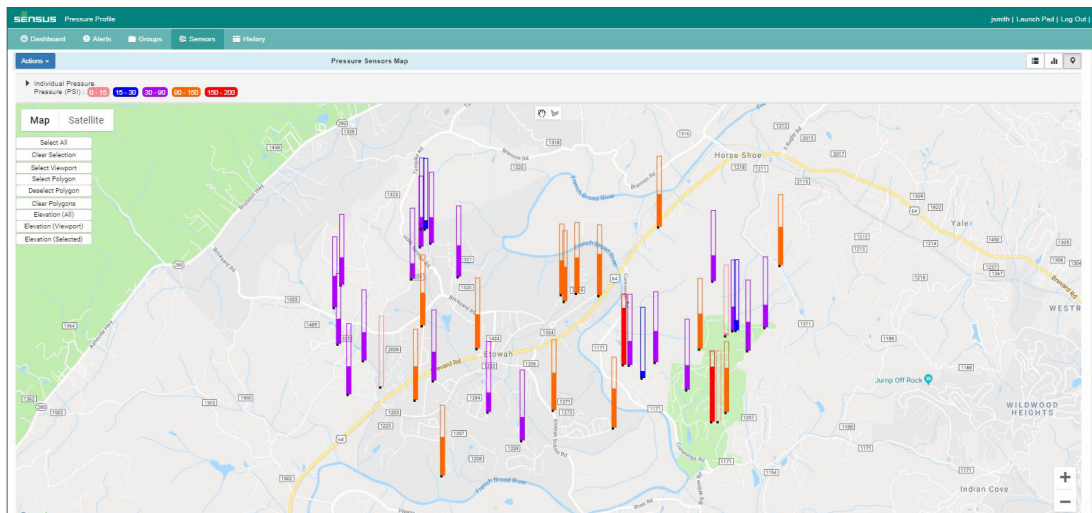
Map view with elevation and custom alarms



Customizable comparison of multiple sensors



Investigate and manage individual devices





True insights on system performance and health

Pressure Profile is just one of a suite of applications within Sensus Analytics, offering a user-friendly way to take your utility to greater return on intelligence. The cloud-based, integration-ready software combines real-time and historical data to understand trends and identify abnormal operating conditions within your water system. Pressure Profile provides out-of-the box analytics with customizable dashboards, designed to instantly extract value from your data without the learning curve or setup time.

Adding Pressure Profile to your toolkit enables faster, informed decisions for enhanced customer service and revenue.

- Ensure reliable service to support consumption and fire services.
- Control pressure to mitigate a leak or burst.
- Avoid a boil water advisory situation by capturing low pressure readings before it's too late.
- Extend the life of your assets throughout your supply and distribution network.
- Reduce pump costs by maintaining service line pressure.
- Improve customer service by monitoring service connection pressure both historically and on demand.

Pressure Profile in action

By enabling remote pressure monitoring via ally water meters or Smart Gateways at OMNI meters or connected at other key infrastructure across the FlexNet communication network coverage area, Sensus can alert you to a minor issue before it becomes a major issue. In North Carolina, a water and sewer utility deployed a Sensus AMI solution with 25,000 metered connections.

This utility needed a way to get dispersed pressure and asset data. Since the FlexNet network was already installed they chose to add ally meters, Smart Gateways on OMNI meters, and Smart Gateways on elevated tanks and booster pump stations to extend the visibility of their system and asset performance. In October of 2017 at 3:10 am, a water main burst. The anomaly was immediately detected and an alert notification was sent to the Utility Manager. The combination of real-time, reliable, accurate data reads delivered over the FlexNet network and Pressure Profile enabled this utility to rapidly contain and repair the leak.

Enjoy peace of mind with the remote pressure monitoring solution from Sensus. Water is safe to drink, infrastructure is healthy, leak volume is reduced, customers are satisfied and maintenance costs are saved.



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