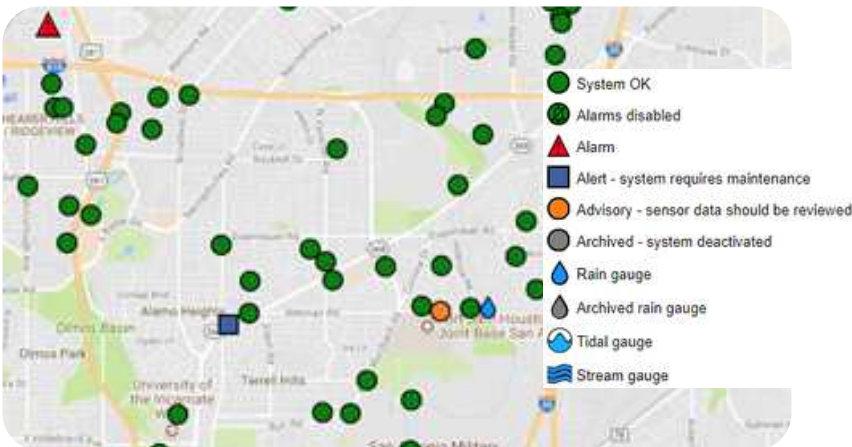# SmartTrend®
Anticipates Overflow Events

SmartTrend is proprietary, patented software built into every SmartCover system analyzing past and current sewer conditions to anticipate future issues and potential overflows. Based on the detection of subtle day-over-day changes happening inside pipes buried underground, easy to read online reports are used to show where and when the anomalous activity is happening.

How it Works

The SmartTrend software automatically scans rolling measurements of each monitored site in the collection system searching for level pattern variations. An algorithm analyzes the trends and notifies when preemptive action is required.

The system helps operators to proactively plan for inspection, cleaning or maintenance based on what the data detects.

Depending on the slopes of the pipes and the configuration of the manholes, many adjacent segments can be monitored simultaneously with a single sensor. This unique capability allows multi-segment monitoring from a single site, making SmartCover the lowest cost-cost-per-segment monitoring system.

- Daily automated scan of level and flow
- Identifies data anomalies
- Issues notifications
- Dry season vs. wet season
- Planned vs. reactive response
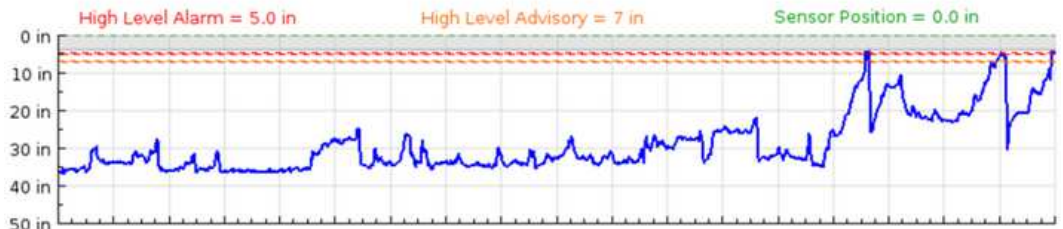- Prioritize resource allocation
- Lowers risk and costs

Changes inside pipes upstream and downstream have signature patterns distinctive and clear to the software.

With satellite based data transmission, your sewer status connection is maintained even during cell outages and the most severe weather.

SmartCoverSystems.com

SmartTrend®
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What it Does

As SmartTrend performs a daily site scan, if there are distinctive changes in the pipe conditions associated with FOG buildup, grit accumulation, roots, or pipe degradation, the software detects the irregular trends and sends advisory notifications. When conditions reach a threshold setting, an email is automatically issued with a screenshot from the SmartTrend report, and the green circle icon turns to an orange circle on the site map.

High Level Alarm = 5.0 in   High Level Advisory = 7 in   Sensor Position = 0.0 in

SmartTrend is uniquely capable of both upstream and downstream monitoring

High Level Advisory: level has reached the high level warning setting
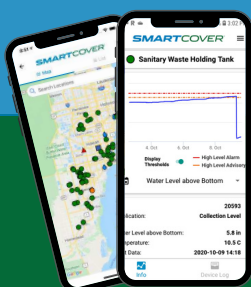**Trend Rise Advisory:** rising level may require further action
Trend Fall Advisory: falling level may require futher action

Featuring

- Hardware components engineered to function in wet, humid, corrosive conditions
- Flexible patented sensor designs and deployment
- NO CONFINED SPACE ENTRY* installation or service
- Reduces traffic management resources
- Secure, online dashboard with easy-to-read, visual reports
- Compact, long lasting battery
- Two-way communications permits remote settings management

- Fusion with rain, river and tide data
- Done-for-you analytics
- Works when there is no power
- Satellite coverage works with sites difficult to access and withstands cellular outages
- Variable timing options for data scan and notifications
- Built in tilt switch for real time entry detection
- Encrypted secure servers with redundancy
- Mobile app for iOS and Android
- API available
- Configurations for open channels, canals, holding tanks, lift stations, outfalls, reservoirs, and utility vaults

*as defined by OSHA 29 CFR 1910.146b

With the SmartCover mobile app, get the insights you want, when and where you need them. Available for both iOS and Android devices.

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