

# SmartTrend<sup>®</sup>

## Anticipate Overflow Events

### HOW IT WORKS

SmartTrend software automatically scans rolling measurements of each monitored site in the collection system searching for level pattern variations. An algorithm analyzes the trends & notifies when preemptive action is required. The system helps operators to proactively plan for inspection, cleaning or maintenance based on what the data detects.

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

Depending on the slopes of the pipes & 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-per-segment monitoring system.

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

### PATENTED & PROPRIETARY

SmartTrend is a proprietary, patented software built into every SmartCover system, analyzing past & current sewer conditions to anticipate future issues & 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 & when the anomalous activity is happening.

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

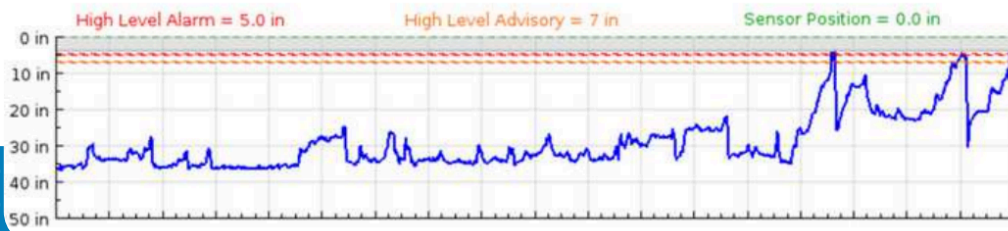
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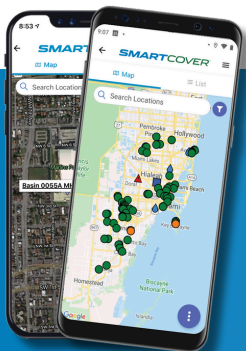
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## FEATURING

- Hardware components engineered to function in wet, humid, corrosive conditions
- Flexible patented sensor designs & 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 & tide data
- Done-for-you analytics
- Works when there is no power
- Satellite coverage works with sites difficult to access & withstands cellular outages
- Variable timing options for data scan & 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 & utility vaults

\*as defined by OSHA 29 CFR 1910.146b



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

## WHAT IT DOES

SmartTrend is uniquely capable of both upstream & downstream monitoring.

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 & sends advisory notifications.

When conditions reach a threshold setting, an email is automatically issued with a screenshot from the SmartTrend report, & the green circle icon turns to an orange circle on the site map:



**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 further action

