
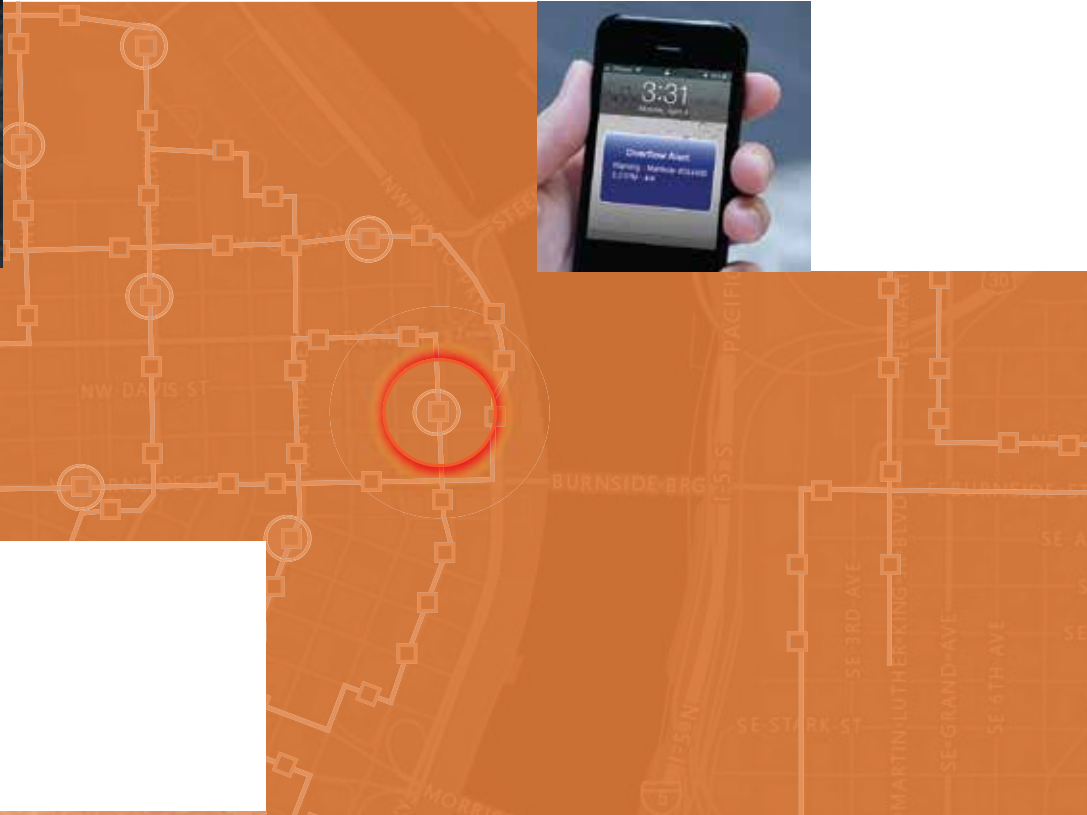
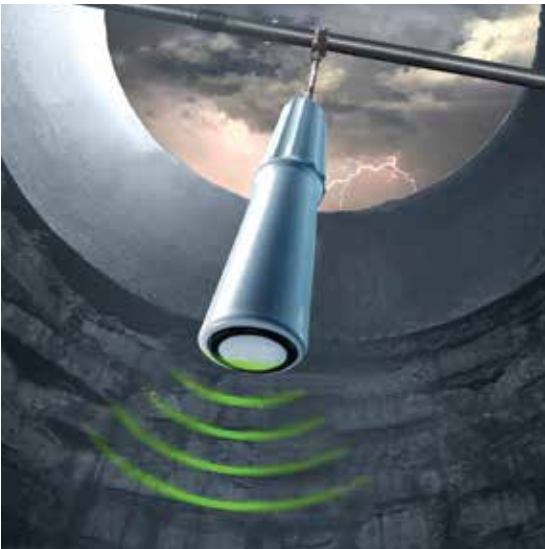


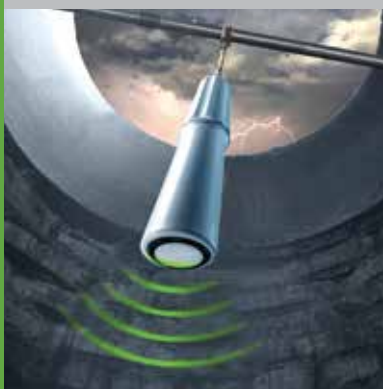


Early Warning Overflow & Backup Prevention

 Proactive Monitoring of Sanitary Sewer Systems



Overflow & Backup Prevention



The key to environmental compliance is to never allow the event to happen in the first place. Sanitary sewer overflows (SSOs) and basement backups, besides always having been illegal under the Clean Water Act, are also subject to large regulatory fines. These events can cause health hazards, damage homes and businesses, threaten the environment and pollute local waterways.

Since billions of dollars are not available for capital improvement of our wastewater infrastructure systems, Eastech has developed a low-cost cellular-based sensor capable of proactively alerting O&M personnel in real time of an impending overflow or backup weeks prior to the event actually taking place. This immediacy in response can be critically important when faced with regulatory agency fines, distraught homeowners and potential lawsuits.



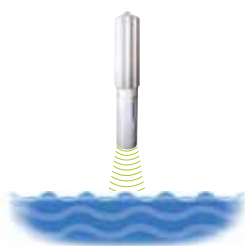
Early-Warning Cellular Alerts

Upon wastewater levels reaching a user-defined height, an early-warning text message is dispatched alerting O&M personnel of the possibility of a future sewer surcharge event.



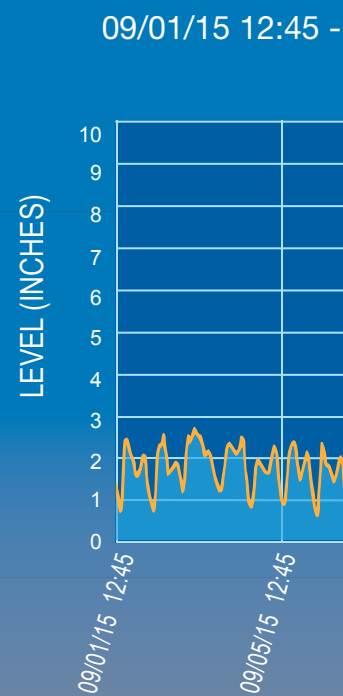
Non-confined Space Installation

Cellular enabled iTracker sensors can be quickly and safely installed in 45 minutes from the street level without any requirement for confined-space entry.



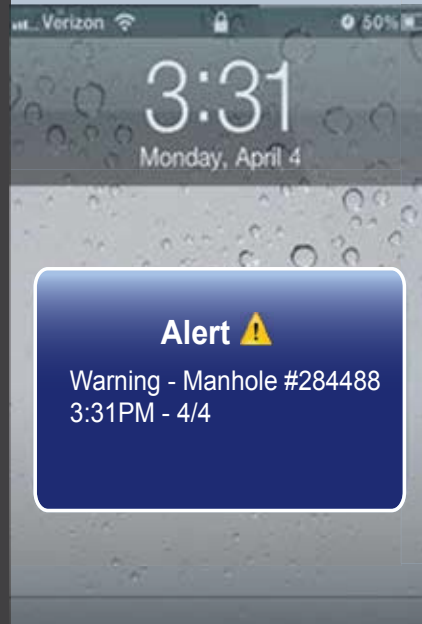
Zero Maintenance

Above-the-flow iTracker sensors never come into direct contact with the media. Repetitive maintenance, along with loss of critical data, is no longer an issue.



iTracker®

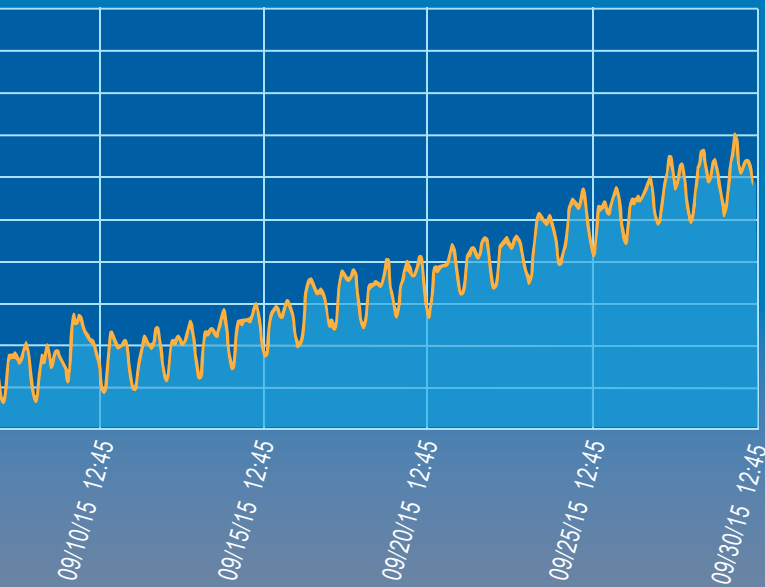
The iTracker functions as a fully integrated, battery powered Sanitary Sewer Overflow and Back-Up Prevention Monitor capable of alerting municipal personnel within minutes of an impending overflow or basement back-up condition.



Cellular alerts are initiated, event duration is recorded and historical files are compiled for later analysis.

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EARLY WARNING

Cellular Alerts

Upon wastewater levels reaching a user-defined height, early-warning cellular text messages are dispatched alerting maintenance personnel of the possibility of a surcharge event or residential back-up. To confirm that an alert was received, a user response must be activated otherwise the alert will be resent on a continual basis. Depending upon desired battery life (up to 3 years), manholes may be monitored at pre-determined, user-selectable time intervals.

The iTracker provides O&M personnel with access to historical data informing them of exactly what had previously transpired within the collection system leading up to an early warning alert.

As can be determined from historical data, the overflow alert was initiated by a gradually increasing downstream blockage problem.



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