

Infiltration and Inflow analysis (I&I) is one of the most valuable monitoring tools available for anyone managing a wastewater collection system.

It lets you track Rainfall Derived Infiltration and Inflow (RDII) and its impact on the overall health of your system. Too much rainfall can overload the system, causing overflows or damage that can lead to untreated wastewater being released into your local area, with potential negative impacts on residents, businesses, and ecosystems.

AI cuts complexity and automates I&I data

I&I analysis is traditionally quite complex, requiring considerable time and effort from experts in order to collect the data, perform the analysis, and draw meaningful conclusions from the results.

With its state-of-the-art Artificial Intelligence (AI) engine, infinittii auto i&i automates all of the difficult and time-consuming aspects involved with I&I data, putting comprehensive I&I analysis within reach for anyone managing a wastewater system.

It leverages data collection and management tools to assemble the raw data, and then automatically generates a full range of I&I results, including Dry Weather Patterns, Storm Event Groups, and Correlation Graphs.

infinittii auto i&i provides tools for detailed analysis of particular storm events, letting you see how the storm event proceeded over time, and how this relates to your RDII flow during a storm event.

Storm events are numbered for viewing and are also identified by their start and end dates and times. Select the storm event you want to investigate from the list, and it will be shown in a detailed RDII chart.

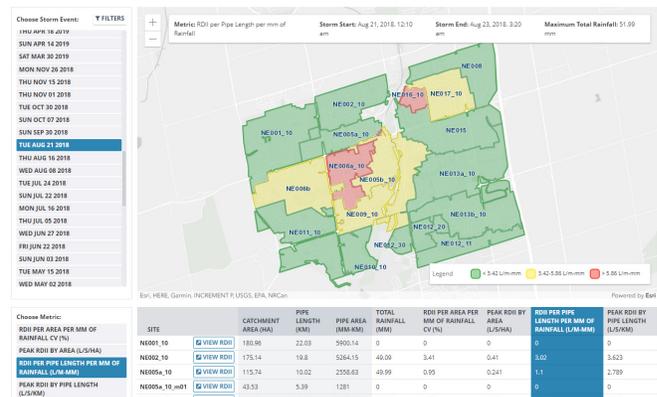
Real-time statistics and RDII correlations

On-going access to real-time I&I statistics and RDII correlations allows you to evaluate needs and predict performance. Visually identify I&I hot-spots and easily drill down into the underlying data to determine appropriate risk mitigation strategies.

The infinittii auto i&i map displays the site IDs and the geographical boundaries of their catchment areas, plus information about the currently selected storm event and metric, as well as a color-coded legend. Users can securely access infinittii auto i&i through any Internet-connected web browser.

Key benefits of infinittii auto i&i

- Predictive detection of deterioration on infrastructure systems allowing for better planning and data-driven evergreening efficiency
- Automated tasks including detection of weather patterns reducing manual processes and increasing infrastructure needs forecasting capabilities
- Immediate visualizations of water utility infrastructure performance based on storm events allowing for better and faster decision making
- Replaces static reports with dynamic SaaS-based analytics



Visually identify I&I hot-spots and easily drill down into data

infinittii ai advantage

Trusted since 2014 to provide environmental monitoring to many of the largest water utilities in the U.S and Canada, infinittii ai has evolved into a leader in AI-driven predictive analytics for industrial and Smart City infrastructure applications that rely on time-series data. The company serves its customers via a trusted partner network that includes engineering and IT services companies like AECOM, Core & Main, Kerr Wood Leidal, K2 Geospatial and CSL Services.

infinittii ai software performs real-time analysis, checks flow monitoring status, sets alarms and accepts all types of data from any source and offers predictive and prescriptive analytics.

For more information, please email info@infinittii.ai or call +1 778-200-2064.