



# Zone - Based Leak Detection

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Using the IWL Insight platform

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### 1. Data

As part of our systems-first approach we use existing meter data to assess the networks and zones before any additional sensors are added.

Data required:

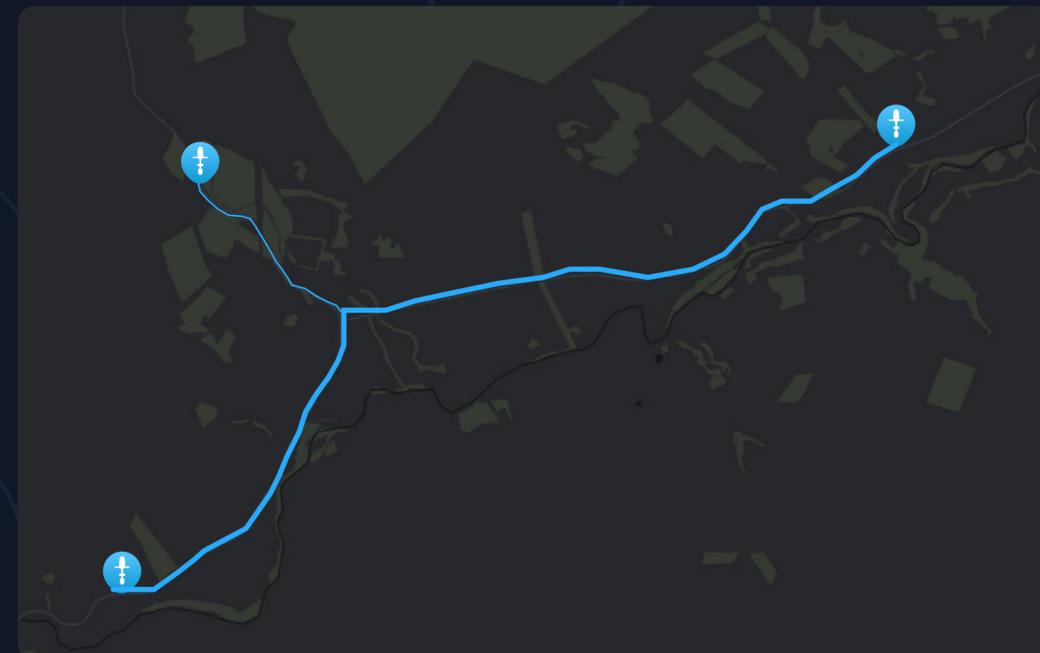
- Schematics
- GIS network maps
- Meter Locations
- API/SFTP Links to Existing Meter Data\*

\*IWL are experts in linking data pools and can assist in setting up API and other data transfer links.



### 2. Setup

IWL setup the networks, zones and meters on the Insight platform ready for the analysis to begin.



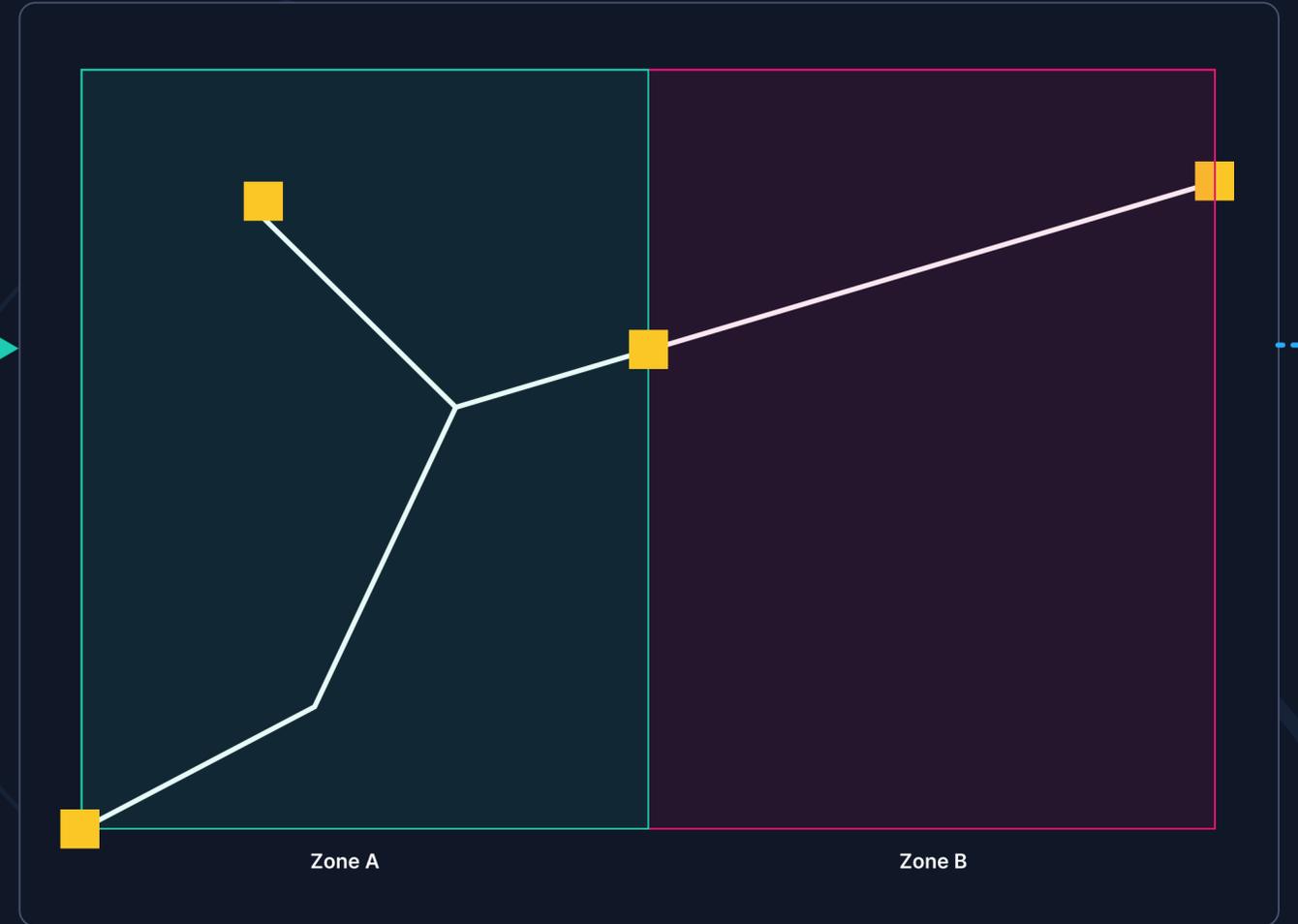
### 3. Balance

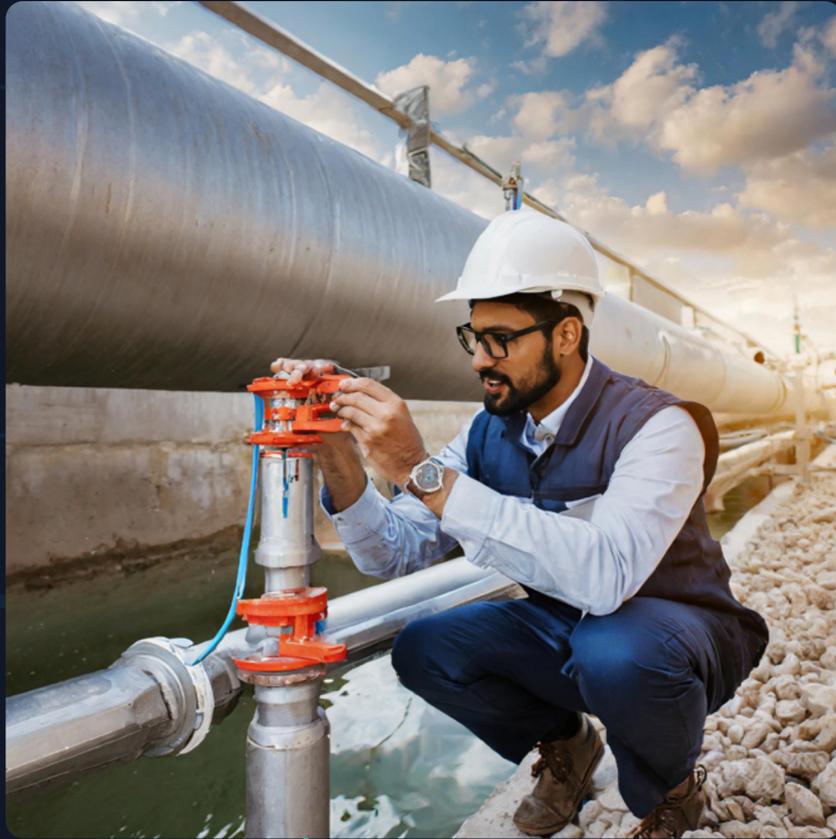
Insight analyses the balance in the networks and zones to identify the areas most likely to contain leaks.



### 4. Divide

Large areas can be divided using insertion or clamp-on flow meters to narrow down the search area



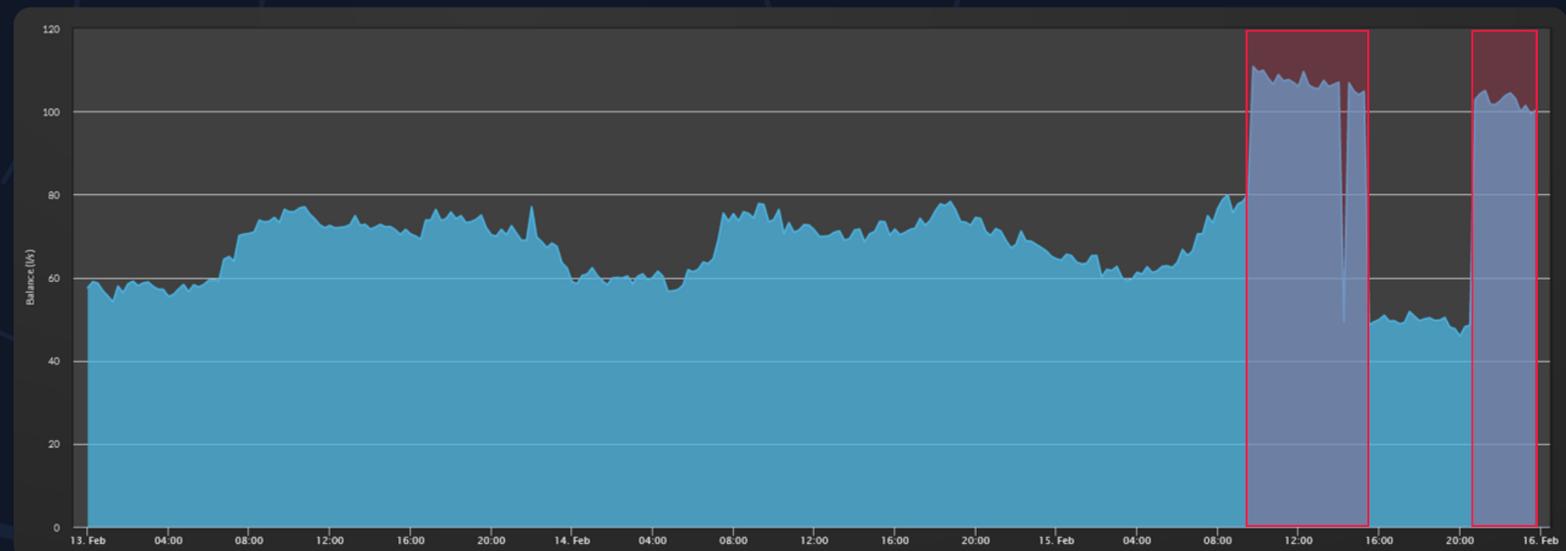


### 5. Investigate

Ground teams are deployed to investigate leaks in the identified areas. Fixed leaks can be seen on Insight as the network balances are continuously recalculated.

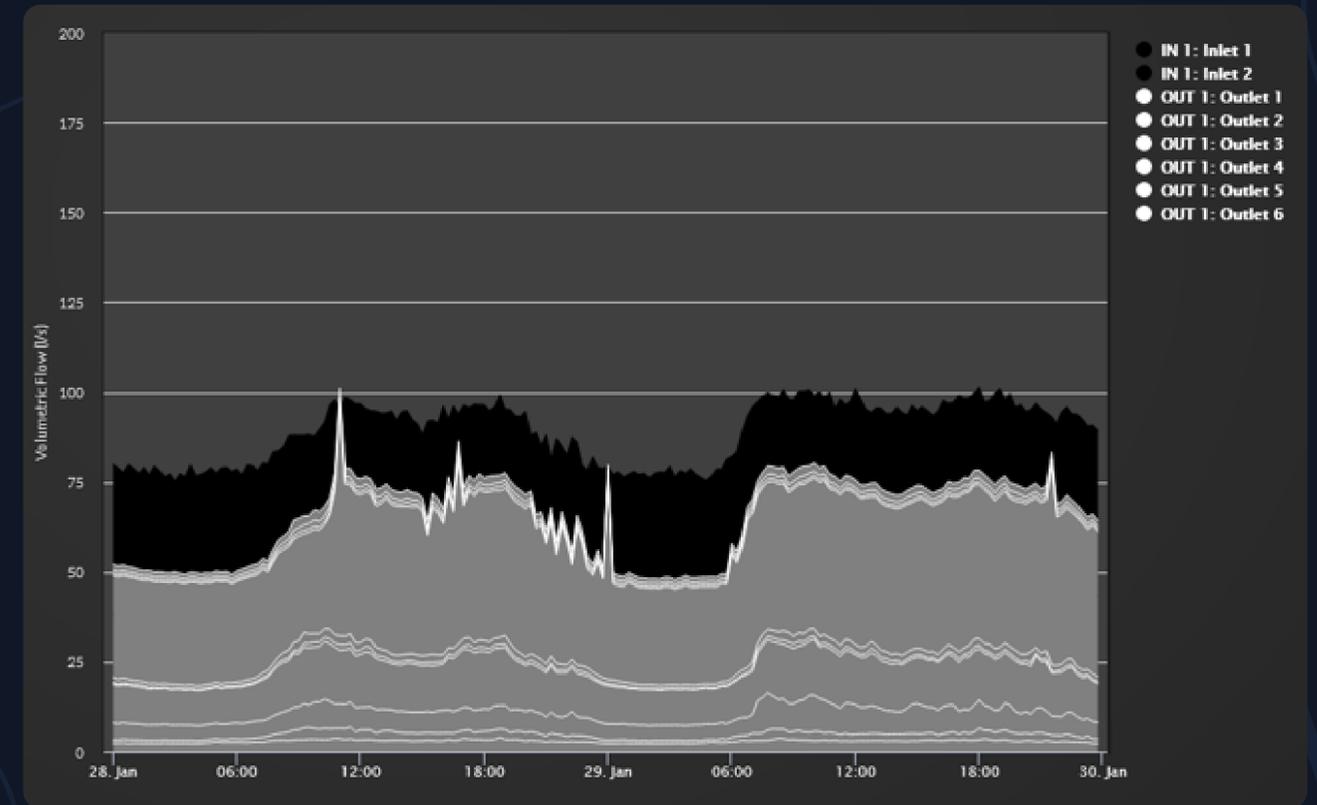
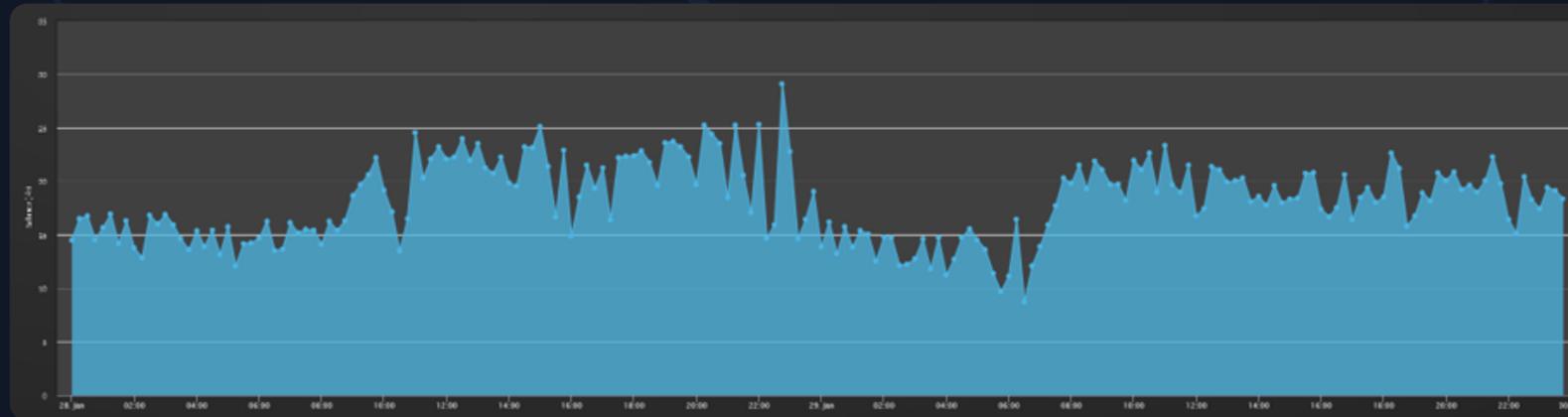
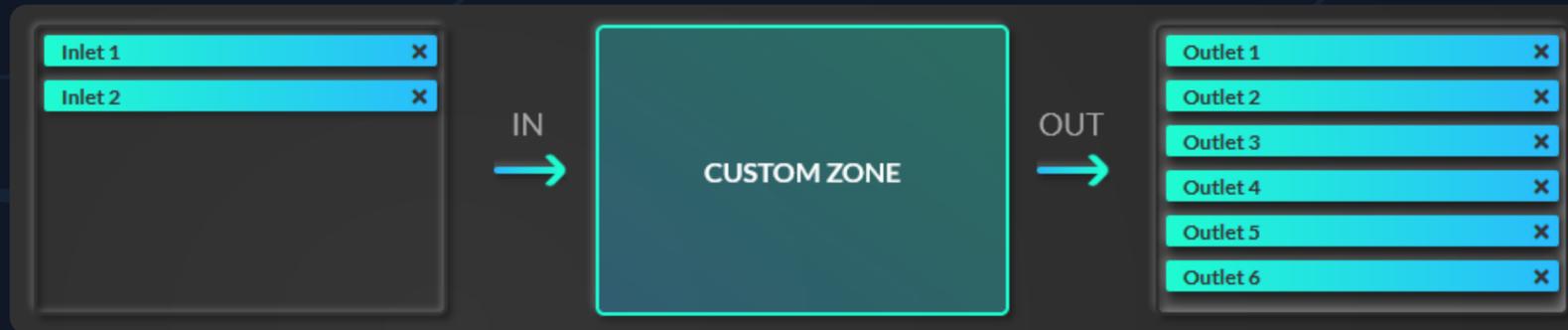
### 6. Monitor

Insight continues to monitor the sensors and zone balances to identify when new leaks appear, reducing the ongoing cost of maintaining the network and improving response times.



## Insight's Analysis Tools

### Interactive Zone Balancing Analysis



## Geospatial views of zone balancing

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