Service Pipe Register – Bringing Visibility to 2 million Customer Assets

Middle East Water Leakage Summit

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Why the Need: Customer Asset Register

Customer supply pipes

- constitute 30-40% of network & affect customer service <u>DIRECTLY</u>
- Smaller diameters at shallower depth more susceptible to ground movement and loadings – so more risks

Supply Pipes

- Common supply pipes and service risks?
- Condition and leak losses how bad, how much & when ?



Converting Corporate Data into Intelligence

Innovation is the deliverable application of <u>information</u>, imagination, and <u>initiative</u> in deriving greater or different <u>value</u> from <u>resources</u>:

Provision of improved Network Management through enhanced Inventories

ENHANCED INVENTORIES:

- Using Corporate data sets
- Site Surveys
- Engineering Logic
- Data Models with tailored rule bases
- Adaptable Model
- Short Programme delivery
- Cost effective





Creation of a Supply Pipe Inventory

Scope

- Create register of service point communication and customer supply pipe
- Attachment of attributes to enable management of inventory

Objective

- Identify Shared Connections (serviceability risk)
- Assess inventory condition

Programme

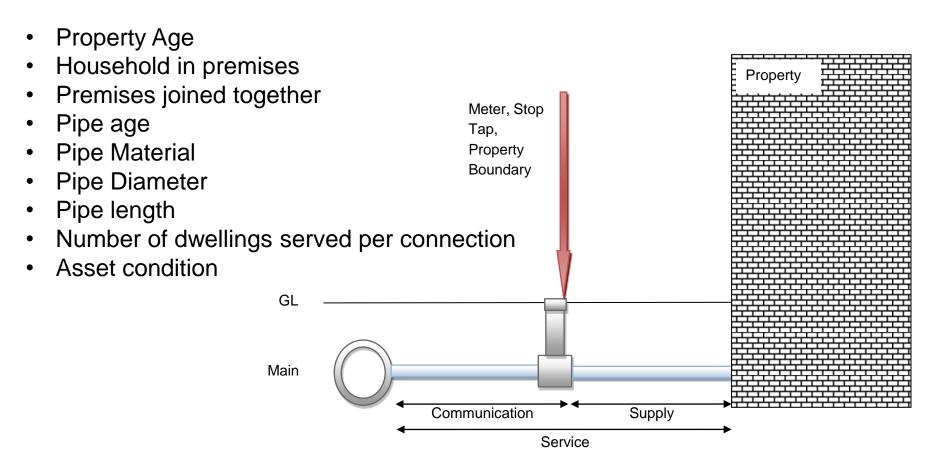
6 months





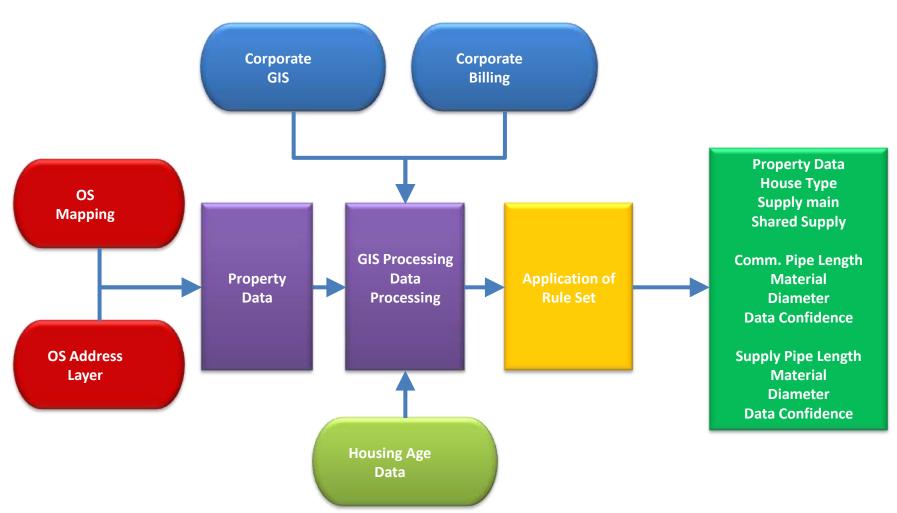


Deliverable: Service Pipe Inventory



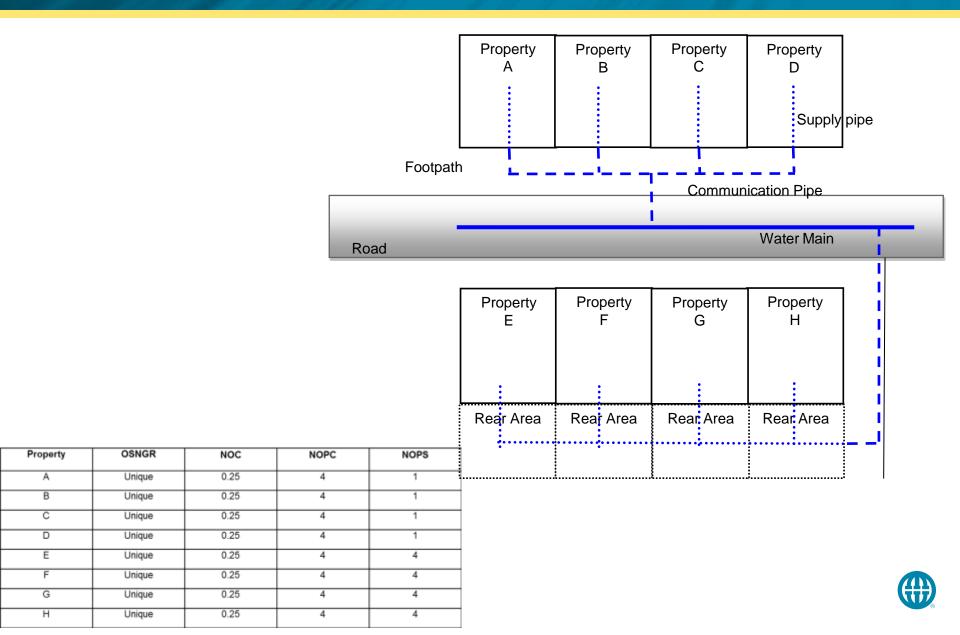


Data Model Processing



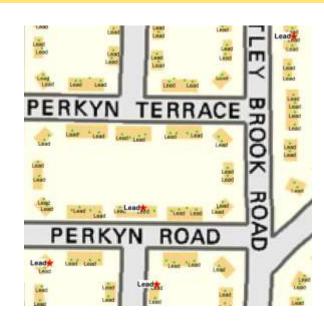


Data Model Rule base



Data Model Outputs

- 7,418 Km of Communication Pipes
- 21,715 Km of Supply Pipes
- 29,133 km of Service Pipes
- Robust platform to build upon
- Improved regulatory reporting
- Ability to maximise resilience



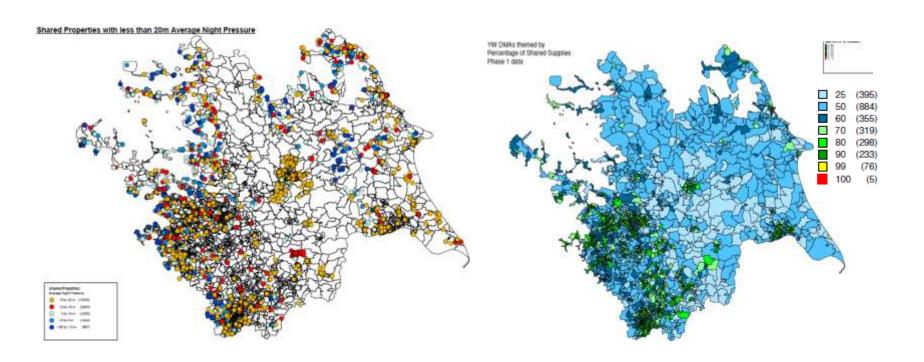








Data Model Outputs: Risks to serviceability





Legacy: Customer Asset Register

Creation of new Inventory Register for service pipes
Detailing 4 million assets, with length, diameter and material
Visibility of asset condition supplying over 2 million properties

Opportunities:

- Support how we respond to customers TOTAL service need
- Capture what we know and what we have done already
- Manage what we will need to do across strategic options
- Fill an asset knowledge gap of where to prioritise



Thank you for listening

Any Questions?

