Data-Driven Asset Management

MAKING PRESSURE PIPES SING
AVA (ADVANCED VIBROACOUSTIC ANALYSIS)

THEIR ANALYSIS

OUR ANALYSIS

UNPARALLELED RESOLUTION

Generates a heat map of tested water pipe, at stick-level, identifying segments that are at-risk, in good condition, or requiring ongoing monitoring

ACTIVE LEAK DETECTION

Delivers immediate insights on leaks, air pockets, and obstructions

REPLACE ONLY IF NEEDED

Targets repairs precisely at the stick level with accurate wall thickness and leak location data

A Glimpse into the Unseen

We have found a better way to assess water pipe conditions that is **non-invasive, accurate, and cost-effective.**

RJN provides pressure pipeline condition assessment services, delivering precise, high-resolution results through the Advanced Vibroacoustic Analysis (AVA) method, powered by Dynamic Response Imaging™. Developed from over a decade of condition assessment research, this external inspection approach combines cutting-edge analysis with advanced diagnostics to produce highly actionable insights.

Insights Beyond Your Average Assessment
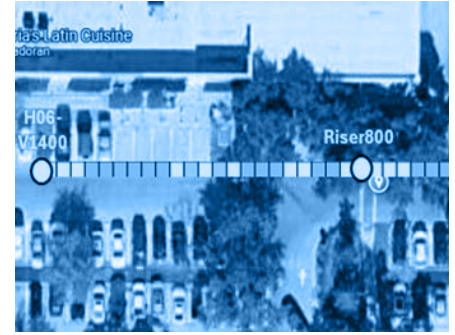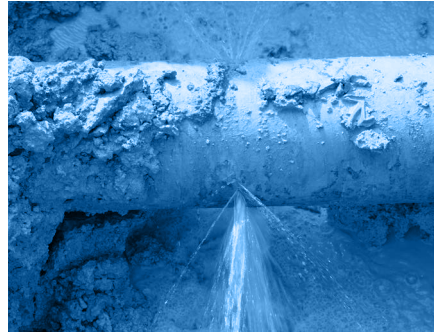
Apply

- Non-invasive
- No service disruption
- Four- to 48-inch-diameter pipe
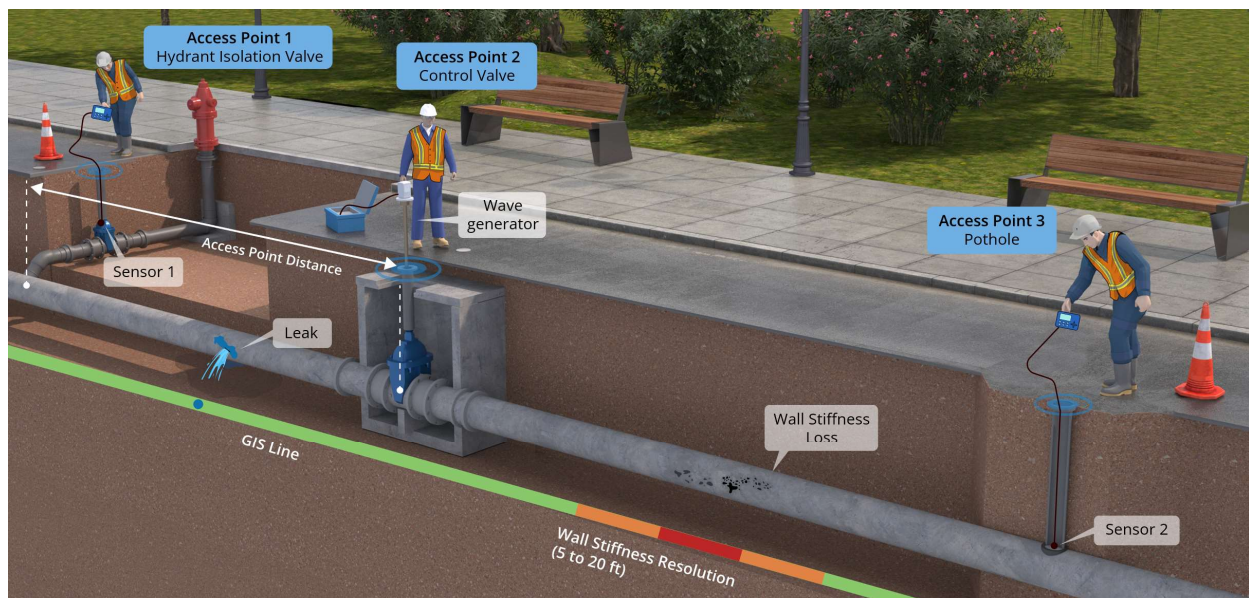- Most pipe materials

Identify

- Structural condition with a resolution of 6 to 20 feet
- Leak locations within three pipe diameters or less
- Pipe in need of immediate attention

Manage

- Pipe sticks requiring ongoing monitoring
- Pipe sticks in good operating condition
- Pipe sticks with active leaks or obstructions

Delivering Precise Results

Many inspection technologies require extensive fieldwork or disrupt service, yet often yield limited results—detecting only active leaks or averaging conditions over entire pipe segments. making it harder to identify at-risk pipelines and increasing the risk of costly failures.

With AVA, utility owners can target repairs to problem areas, reducing costs and minimizing public disruptions. **This level of detail enables managers to allocate budgets with clinical precision.**

Contact Us:

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