

# Pinpoint and prioritize pipes for repair or replacement in six easy steps

Assess the condition of your pipe network in hours rather than days and create rehabilitation plans you can defend with confidence using Info360 Asset and VAPAR.Solutions.

- **STEP 1** – On site
- **STEPS 2, 4, 5, AND 6** – Info360 Asset
- **STEP 3** – VAPAR.Solutions

Autodesk Info360® Asset offers utilities a centralized, cloud-based platform to store and analyze pipe condition, defect, and risk data. Using this data, utilities can optimize their capital management decision-making and create asset improvement plans that they can easily rationalize.

**I** Info360 Asset

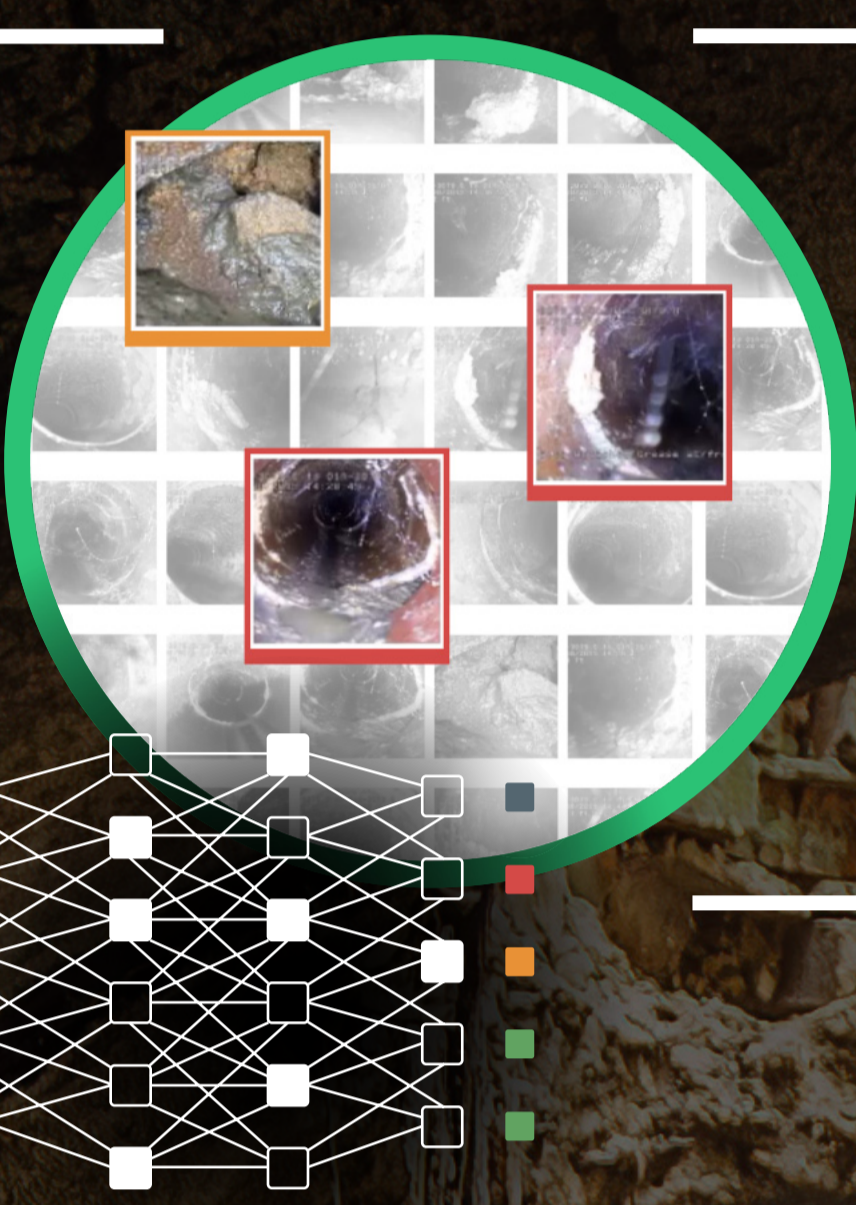
## STEP 1 Inspect your pipe

Have your crew carry out their remote CCTV survey. With VAPAR AI-assisted defect coding, operators no longer have to code in the field, so they can focus on the quality and speed of the footage, making inspections more efficient.



## STEP 3 Generate your defect score

Use AI to review your CCTV footage at the touch of a button. Let AI code your inspection footage, identify and classify pipe defects, and flag problems for review, saving your team hours.



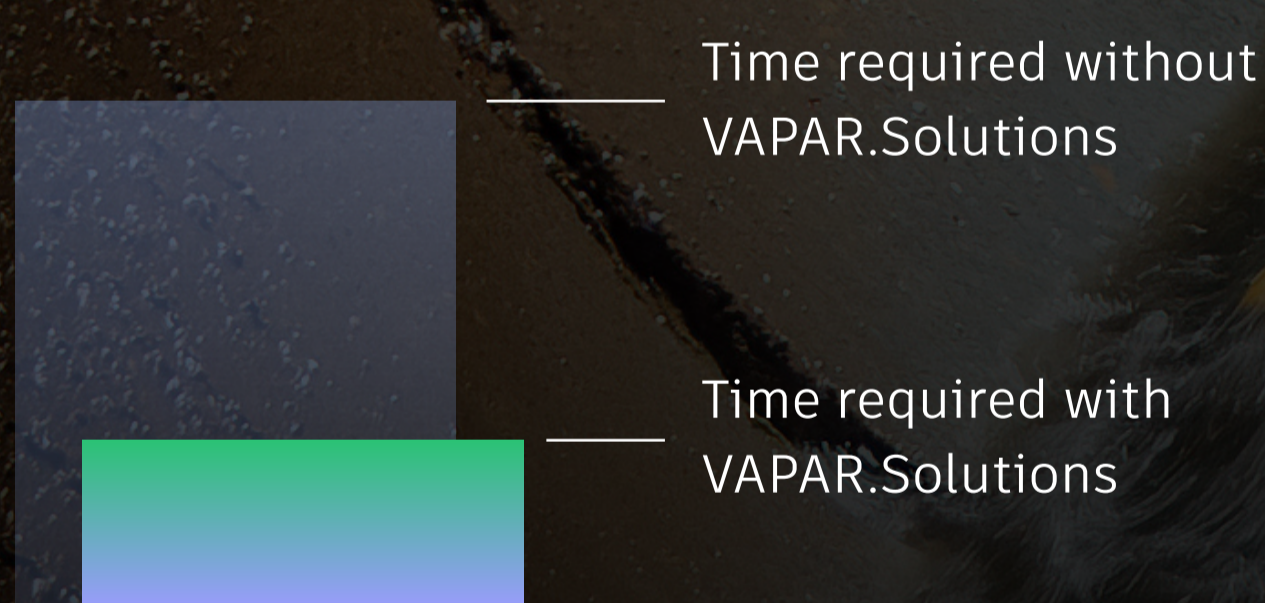
The VAPAR.Solutions cloud platform uses AI to analyze inspection footage of the inside of sewer pipes to detect defects. Fast, automated, reliable pipe condition assessments provide water and wastewater utilities with more accurate asset tracking and significant savings in labor costs.

**VAPAR.Solutions™**

**400**

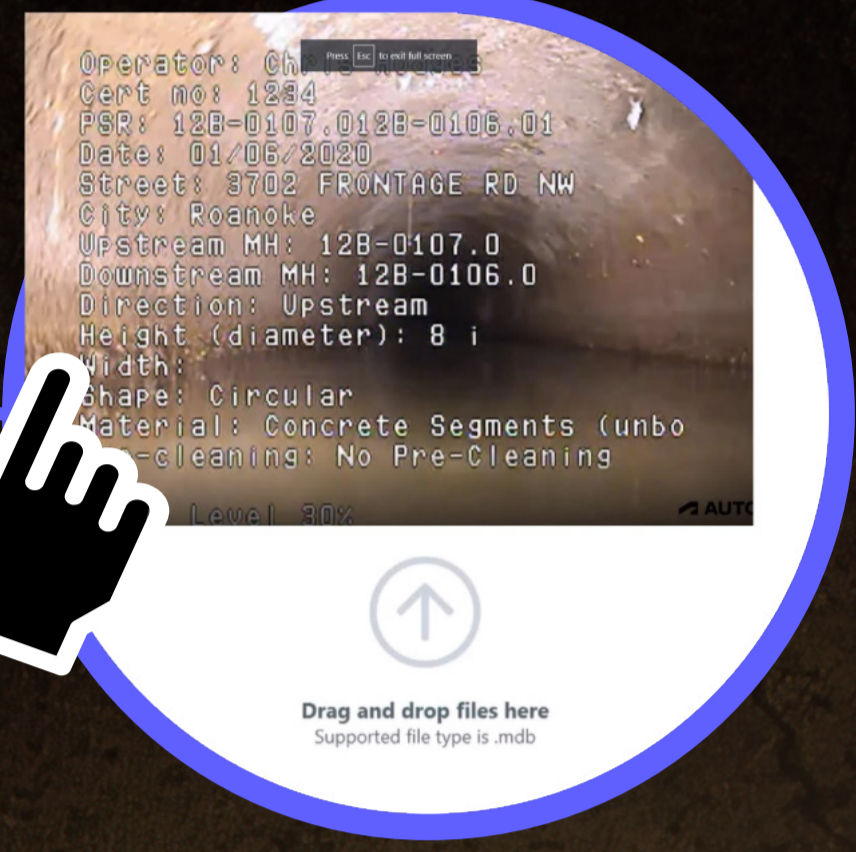
Hours of manual CCTV reviews saved

*City of Ryde, Australia*



Two-thirds reduction in time taken to identify 20,000 pipe defects

*TRILITY, New Zealand*



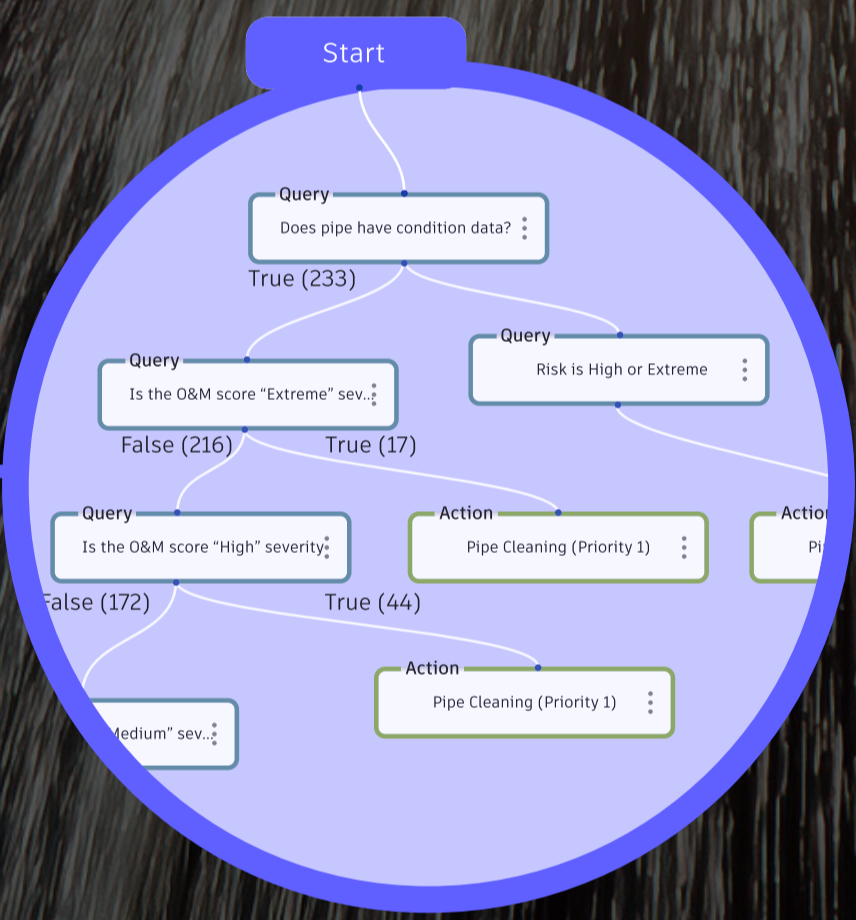
## STEP 2 Upload to the cloud

Drag and drop your footage into a secure cloud environment to store, review, edit, and manage your inspection data, ensure it complies with regional coding standards, and provide feedback to your inspection teams.



## STEP 4 Calculate your risk score

Identify which problematic pipes to prioritize for rehabilitation. Using an intuitive dashboard, you can assess the likelihood and consequence of failure (LOF and COF) against multiple risk scenarios and bring in GIS layers to visualize spatial data and refine your calculations.



## STEP 5 Generate prescriptive rehabilitation actions

Manage your O&M budgets more effectively with a targeted CCTV program and make capital planning decisions you can easily justify. Use decision trees to derive rehabilitation plans from your inspection, condition, defect, and risk data, and prioritize which assets to repair, replace, or inspect again.



## STEP 6 Share your plans

Give your organization read-only access to condition data, and thematic maps highlighting at-risk assets via an easy-to-understand web environment. And publish your risk results and rehabilitation plans to ArcGIS Online®.

**A\$2M ↓**

“Using VAPAR.Solutions resulted in a **A\$2m refinement** of the initial priority program estimate.”

*Sharna Small, Asset Manager, Greater Western Water, Australia*

“We’re working with Baton Rouge on a pilot test within Info360 Asset to formulate a means of using their asset register (CMMS) and CCTV data to address overflow challenges and fix problems proactively. Our strategic goal is to eliminate sanitary sewer overflows (SSOs).”

*Charles Caballero, Professional Engineer, Bonton Associates, US*

Ready to get to fast, accurate capital planning decisions in days?

Talk to us