

Stop reacting to breaks. Start preventing them.

Transform asset and break data into optimized, defensible multi-year capital plans.

Data-driven infrastructure planning

Break-Predict

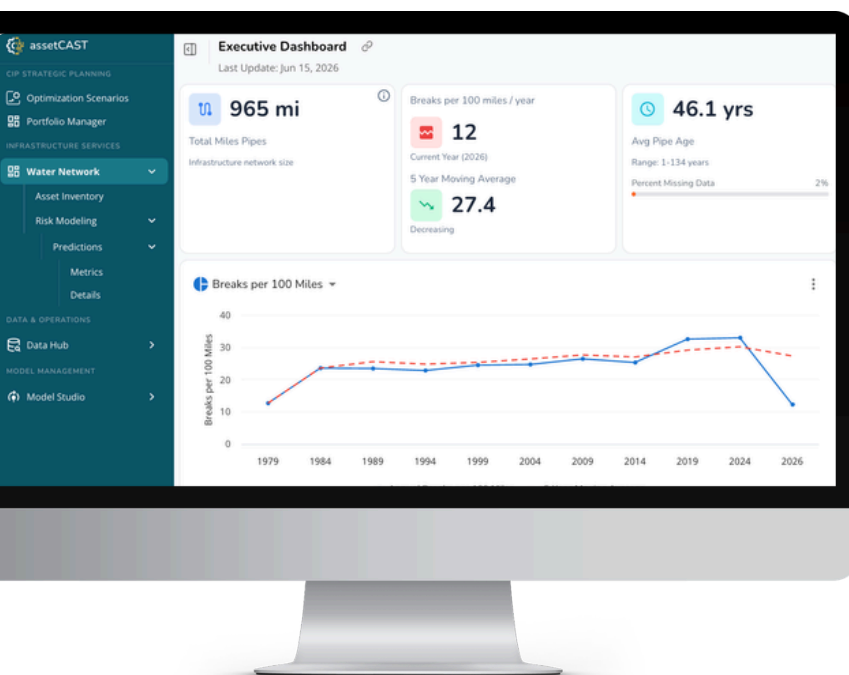
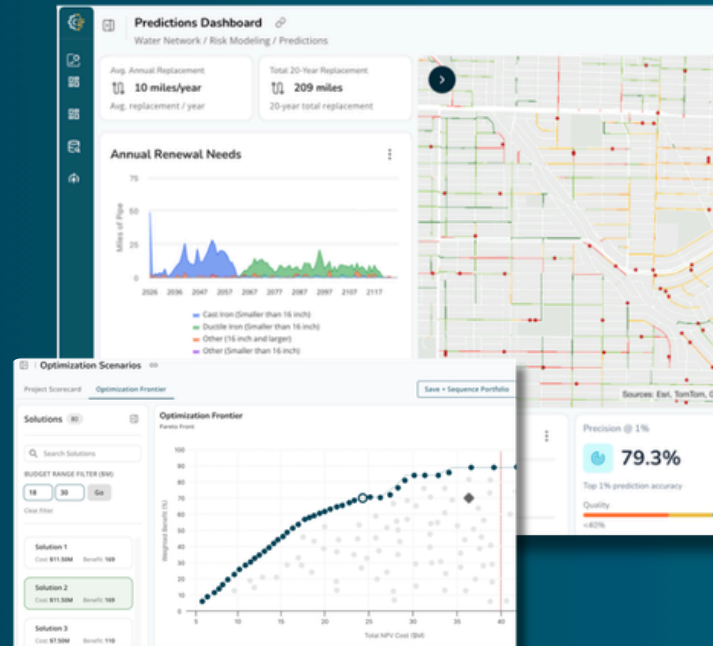
Machine Learning pipe failure forecasts to find at-risk assets
Identify cascading failures before they happen. Catch deteriorating neighborhoods early, not just individual pipes.

Survival Analysis

Time-to-Failure prediction for when assets fail
Build defensible 20-year plans with confidence intervals for regulatory compliance.

Capital Planning & Optimization

Project sequencing to plan how and when to take action
Reduce project costs 15-25% through efficient bundling. Cut planning cycles from months to days. Turn dozens of "optimal" portfolios into a single ranked recommendation that matches your stakeholder priorities.



Business impact

1. **Reduce emergency repairs** by targeting high-risk assets proactively.
2. **Extend asset life** through optimized intervention timing.
3. **Maximize capital efficiency** with budget-constrained optimization.
4. **Minimize disruption** via intelligent project bundling.
5. **Defend decisions** with validated models and explainable predictions.

Bridge the gap between reactive maintenance and data-driven optimization.

To learn more, visit trinnex.io