



# Make Smarter, Risk-Based Investment Decisions

## Challenge

- Gas distribution pipeline network is critical part of ops
  - Includes 2M+ miles pipeline in the US
- Every failure carries a 'nightmare cost' with potential to:
  - Be extremely costly to fix
  - Disrupt nearby residents & businesses
  - Create bad PR
  - Present a major safety hazard
- Unable to identify areas with greatest risk of failure

## Solution

- Turbo Prep & Auto Model: instant insight from raw data
- Mature the insights through additional model building
- Quickly and easily build multiple models:
  - Choose from hundreds of modelling approaches
  - Compare results and predictive power
- Confusion matrices offer transparency into comparison
- Streamlined identification of sections in need of repair

## Impact

- Reduced risk of:
  - Significant property damage
  - Loss of life
- Cost savings through more efficient repair operations:
  - Increased leak prevention
  - Decreased risk of catastrophic damage
- Optimized risk-based investment decision-making

Problem type: Predictive maintenance

Universal relevance: Predictive maintenance can not only be beneficial for improving efficiency, but also for avoiding events that affect public safety and cause brand and reputational harm.