Dragonfly SM
by Jacobs

Managing aging buried sewer infrastructures requires ever-increasing time and financial resources to stay ahead of failures. While today's processes are well established, they tend to be reactive, manually intensive, and prone to errors, which results in inconsistent data.
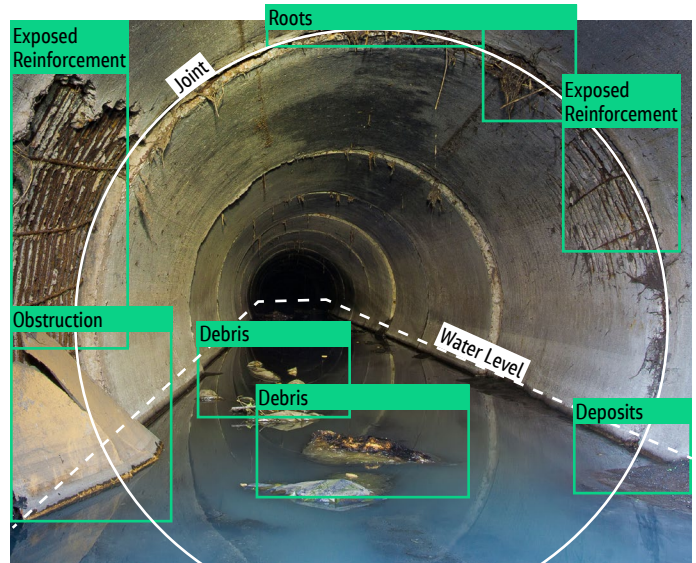
Jacobs' Dragonfly is a solution to this problem. Our AI technology identifies and codes defects in sewer inspection videos and provides prescriptive optimal guidance for maintenance and asset management. Dragonfly enables you to address issues before they become problems, and provides integrated asset management support, generating optimized re-inspection and maintenance schedules as well as prioritized rehabilitation lists. Dragonfly is vendor-neutral and compliments your existing CCTV management tools and investments.

Dragonfly processes pipe CCTV videos to rapidly, consistently, and accurately (>95%) detect and code pipe defects and generate asset management insights (powered by Argon) to increase visibility of sewer asset conditions, make informed and defensible decisions, reduce O&M and Capital Costs, raise productivity, and maximize talent utilization.

High Quality Inspections, Insights, and Decision Making

- Advanced AI system
- AI augmented with Jacobs' QA/QC for 95%+ accuracy
- Actionable Asset Management Insights
- Defensible and informed decisions

With the double layer of accuracy Jacobs provides through AI and human QA/QC, we provide insights that are rapid, timely, and backed with rigorous traceable data. Dragonfly results meet NASSCO, WRc, and other industry standards.

Increased Process Productivity and Efficiency

- Save 30-40% in coding time
- Coding not required during CCTV
- Reduce in-house QA/QC
- Results compatible with CMMS
- No software installation

Optimizing the inspection process by not requiring crews to code during pipe inspection and reduces or eliminates in-house defect coding. Dragonfly output results are compatible with popular CMMS.

O&M Capital Cost Savings

- 25% cost savings
- Immediate ROI on O&M and lower total costs
- Optimize capital investment decisions
- Increase ROI when using "low-bid" contractors

Our high-value pricing is all-inclusive, pay-as-you-go, with no subscription, license, maintenance, or upfront costs. Through this, you gain improved ROIs on capital with advanced insights to optimize capital allocation decisions.

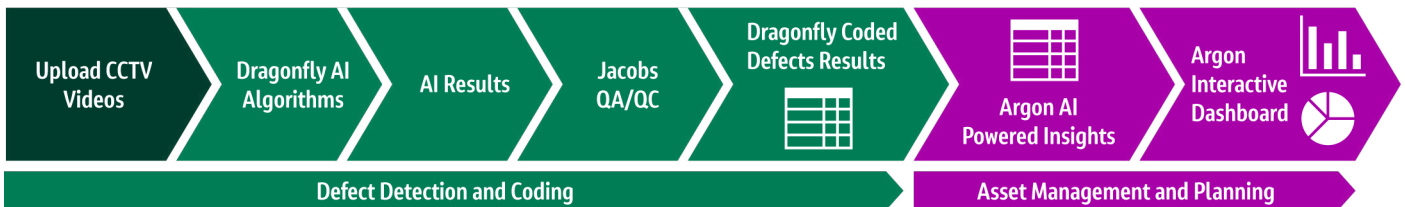## Improved Labor/Talent Management

- Expand labor/talent procurement opportunities
- Reduce tedious work and crew time in field
- Reduce knowledge gaps in organization
- Improve workflow management
- Increase engineer utilization

Using Dragonfly, staff retention, workflow management, utilization of crews, and job satisfaction can all improve. Engineering staff utilization for high-value tasks can be increased and Dragonfly's data helps to reduce knowledge gaps inside of an organization.
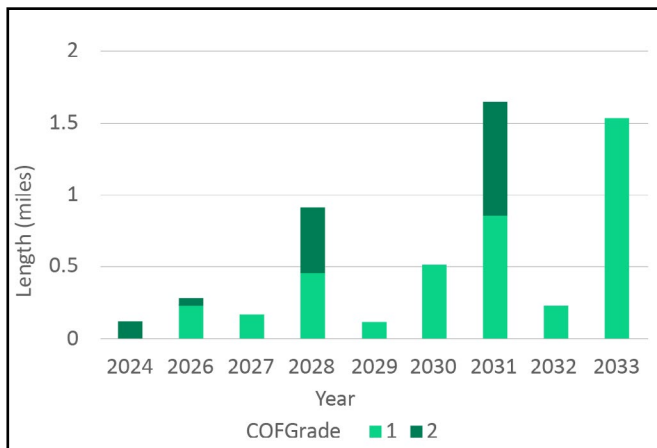
Superior Partnership from Trusted Industry Leaders

- Jacobs is an established, trusted, industry leader
- Technology partner, Hitachi, has leading edge AI experience
- Customized timelines to meet customer requirements
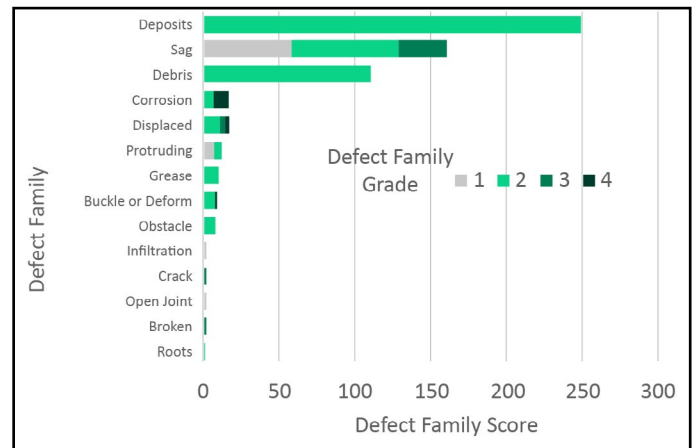- On-demand customer support

Jacobs is an industry leader in engineering services through the success of building deep relationships and our commitment to customer satisfaction. We have the flexibility to meet unique customer timelines and provide on-demand support and expert guidance.

| Upload CCTV Videos → Dragonfly AI Algorithms → AI Results → Jacobs QA/QC → Dragonfly Coded Defects Results | Argon AI Powered Insights → Argon Interactive Dashboard |

Defect Detection and Coding | **Asset Management and Planning**

Argon is Jacobs AI-powered prescriptive asset management solution that integrates with Dragonfly output.

Pipes Needing Reinspection

Dragonfly Defect Family Score