



Company Profile

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vialytics: Smarter Road Management Starts Here

The AI-Powered Road Management System for Modern Public Works

Public works teams are expected to do more with fewer resources while maintaining safe, reliable infrastructure for their communities. vialytics helps municipalities streamline road management with AI-powered tools designed to improve efficiency, support long-term planning, and simplify day-to-day operations.

Using only a smartphone mounted to a windshield, vialytics transforms routine driving into continuous roadway data collection. The platform captures geo-referenced images approximately every 10–12 feet and uses artificial intelligence to identify pavement damage, document roadway assets, and support maintenance planning.

No expensive hardware. No manual clipboard inspections. Just real-time visibility into your network so you can plan ahead, respond faster, and make more informed infrastructure decisions.

What We Do

Turn Driving Time Into Actionable Insights

vialytics uses AI-powered image recognition to automatically detect and classify pavement damage, including cracks, potholes, and deteriorating lane markings. The system also documents roadway assets such as traffic signs, manholes, storm drains, and other infrastructure elements. Crews can additionally document hazards and maintenance needs in the field using voice memos, photos, and simple mobile workflows.

All Your Road Data. One Platform.

All collected data is centralized in the vialytics web platform, giving public works teams a complete overview of their road network, assets, inspections, and maintenance activities. From condition assessments and capital improvement planning to work order management and documentation, vialytics helps municipalities organize infrastructure data in one easy-to-use system.

Designed for Today's Public Works Teams

vialytics helps municipalities reduce paperwork, eliminate time-consuming manual inspections, and improve transparency around infrastructure decisions. Whether in the office or the field, teams can access the information they need to prioritize repairs, respond to resident concerns, and plan proactively instead of reactively. With offline functionality, crews can continue documenting assets, inspections, and work orders even in areas without reliable cellular service. Data automatically syncs once connectivity returns.

Why Municipalities Choose vialytics

- **Save Time:** Assess entire road networks significantly faster than traditional manual methods while reducing repetitive fieldwork and paperwork.
- **Improve Planning:** Use objective condition data to prioritize repairs, support pavement management strategies, and build long-term capital improvement plans.
- **Extend Road Lifespan:** Identify issues early and take preventive action before damage becomes more costly to repair.
- **Defend Infrastructure Decisions:** Support conversations with councils, managers, auditors, and residents using documented roadway conditions and historical imagery.
- **Streamline Workflows:** Create, assign, and track work orders while improving collaboration between departments and field crews.
- **Improve Documentation:** Automatically capture GPS- and timestamped roadway imagery to support inspections, maintenance records, and resident request verification.
- **Reduce Administrative Burden:** Replace paper-based processes with digital workflows that simplify reporting, inspections, and infrastructure management.

More Than Road Assessment

vialytics supports the full public works workflow beyond pavement condition assessments. The platform includes tools for:

- AI-powered pavement condition assessments
- Work order management
- Asset inventory management
- Image-based roadway documentation
- Offline field operations
- Resident request handling through Citizen Copilot

Citizen Copilot is vialytics' AI-powered resident request assistant that helps municipalities manage citizen complaints more efficiently by organizing requests, geolocating issues, and automatically generating work orders within the vialytics platform.

About vialytics

vialytics is an AI-powered Road Management System helping municipalities modernize how they assess, manage, and maintain local infrastructure. Today, vialytics supports more than 1,000 municipalities across seven countries and manages over 170,000 miles of roadway worldwide. With a growing presence across more than 40 U.S. states, vialytics helps cities, counties, engineers, and public works departments improve efficiency, strengthen transparency, and extend the lifespan of their road networks. Founded in Germany, vialytics combines practical field workflows with advanced AI technology to help public agencies work smarter with the resources they already have.

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