

## Company profile

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# The Intelligent Road Management System

**The collection and management of data in building yards and public works departments wastes valuable time. Using vialytics, municipalities can automatically record the condition of their roads via smartphone and plan all of their maintenance and repair projects in a single system, better fulfilling their duty to ensure road and traffic safety.**

Today's municipalities are under pressure to take on more tasks with fewer skilled workers than ever before. As a result, many cities and towns are unable to fulfill their road safety obligations to the extent required by law. If accidents occur, employees in the civil engineering office and building yard may be held personally liable. To prevent this, vialytics has developed a road management system that enables municipalities to ensure safe roads and bike paths with less effort and greater ease of use.

### **Check the road conditions– anytime, by yourself**

Instead of waiting years for the results of a condition assessment, vialytics' Artificial Intelligence evaluates roads and bike lanes quickly and objectively. CEO Danilo Jovicic-Albrecht explains, "Our unique selling point is high-precision AI technology that provides our partner municipalities with a real-time overview of their road conditions."

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## **So much more than a smartphone app**

Municipal employees are able to use the vialytics system intuitively via smartphone. During the road condition assessment, a phone is mounted to the windshield of a municipal vehicle or the handlebars of a bike, taking a geo-referenced image of the traffic routes every 13 feet. The system automatically detects road damage and inventory in the images. An additional Bluetooth® button on the steering wheel or handlebars can also be used at any time to record a danger spot with a picture and a voice memo. With this technology, the vialytics system is able to fully replace conventional manual roadside checks with pencil and paper. All data collected is clearly displayed in the vialytics web application. Long-term preservation measures as well as short-term repairs for maintenance can be organized and scheduled via the planning view.

## **How vialytics simplifies everyday work in partner municipalities:**

- Saves money: Regular condition assessments increase the lifespan of roads and bike paths. The status quo should be surveyed in autumn and cracks and gaps filled as a preventive before winter.
- Saves time: vialytics partner municipalities report that with the intelligent road management system, track controls can be completed in half the time. Additionally, real-time images save them time-consuming trips investigating citizen inquiries.
- Arms you with the facts: The objective data collected with vialytics can inform decision-making at the next municipal council meeting.
- Helps delegate: The vialytics web application clearly displays maintenance and upkeep measures and offers the possibility to forward tasks directly to the responsible team member.

- Supports legal compliance: Track control is automatically documented in a legally compliant manner using GPS and time stamps.
- Strengthen collaboration: Employees from the public order and greenspace offices also benefit from up-to-date images.

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### **About vialytics:**

vialytics is the leading Road Management System. The AI-based software relieves the burden on municipal administration staff, reduces paperwork and ensures greater safety, transparent processes and increased sustainability. Due to the recently achieved Series A of \$10 million and its international team of 100 employees, vialytics is on an ambitious growth path and used by over 300 municipalities in seven countries.