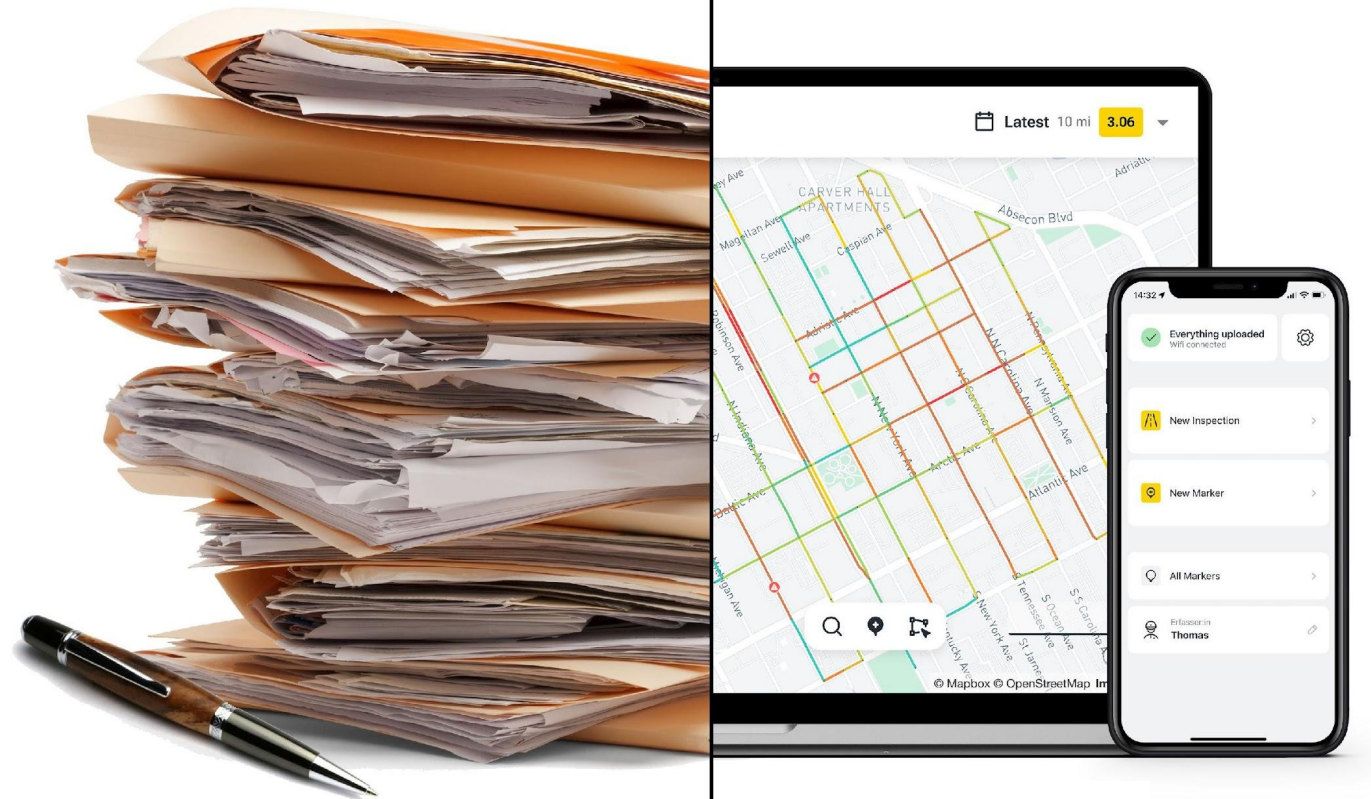


The **Intelligent** Road Management System



Agenda:

1. About vialytics
2. Road Management Challenges
3. Vialytics System



UX DESIGN
AWARDS

1. Tensor x vialytics collaboration





About vialytics



Founded 2018 in Stuttgart (Germany)

Facts & Figures



- New Jersey office since 2023
- Additional offices in Stuttgart and Paris
- Over 300 clients in 7 countries
- \$10 mil funding round with Volkswagen Group
- International team with 75+ employees
- Extensive partner network
- 30,000 miles under management



Scalable to large road networks





Tailored customer service

- As a vialytics partner municipality, you benefit from a personal contact who assists you with all of your improvement suggestions and questions.

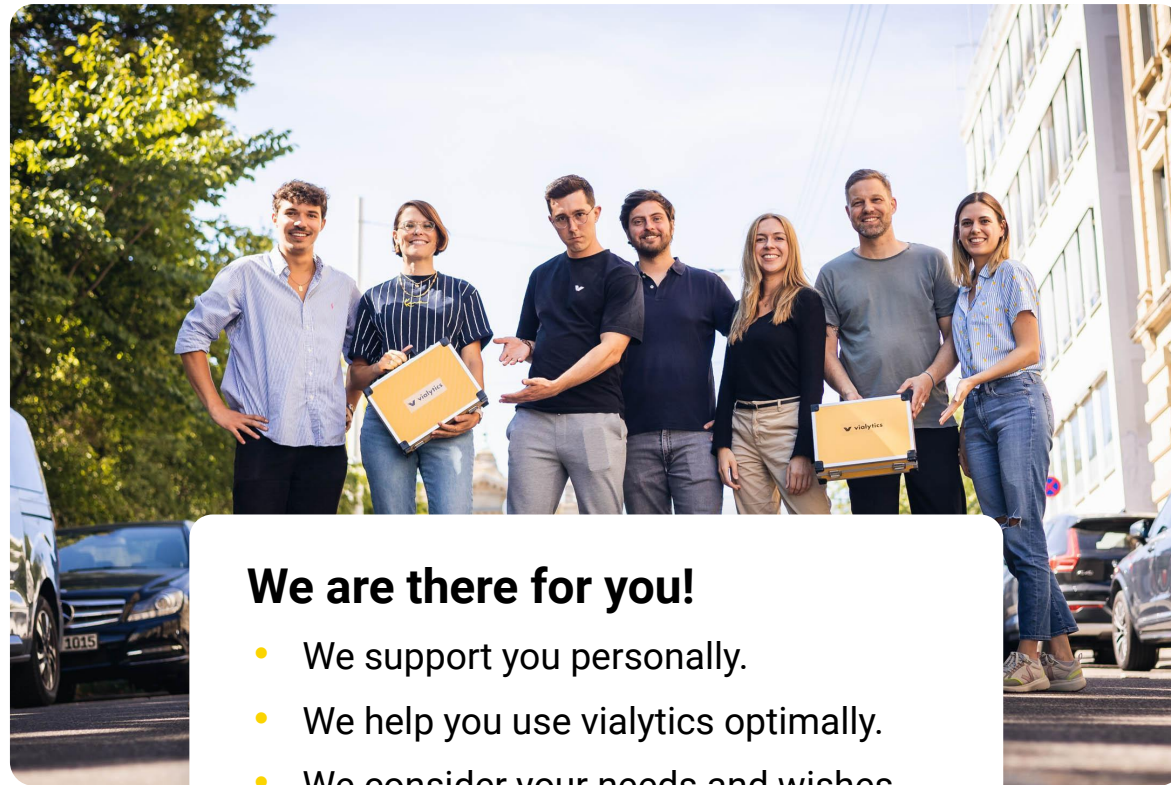
Your personal expert:



Liz Grogan

Customer Success
East Coast USA

+1 (917) 612-9289
l.grogan@vialytics.com



We are there for you!

- We support you personally.
- We help you use vialytics optimally.
- We consider your needs and wishes.



Extensive partner network

- We collaborate with engineering firms to offer the best road management possible.



Pallon



Your added value:

- Easy export to existing municipal GIS
- Extended capacity for road assessment
- Consulting in coordination with vialytics
- Subsequent data treatment, e.g. possible intersections with sewer data



We are critically acclaimed



2021

Voted as best AI startup by the State of Baden-Württemberg



2021

Most innovative company in Stuttgart



2022

First place at the Innovation Award of the Salon des Maires in Paris



Awarded at the UX Design Award in the product area



2022

Awarded as best innovation in the SME category in Baden-Württemberg

— 2. Challenges



Roads are a municipality's biggest asset.

There are more than **39 Million Miles** of road in the world.
Every year, governments invest \$800 billion into their road infrastructure.

Managing roads takes huge amounts of **time** and **money**.

Current Challenges

Rudimentary Road Management Systems

> 90 %

Of municipalities manage their roads with pen & paper.

Lack of Skilled Workers

> 30 %

Of employees in public authorities will retire by 2030.

Overworked Experts

> 50 %

Of building authorities can't fulfill every duty expected of them.

2. Challenges

A lack of skilled workers? Rudimentary Road Management solutions?

> 90 %

Municipalities
manage their roads
with pen & paper.

> 30 %

Employees in public
authorities will
retire by 2030.

> 50 %

Building authorities
can't fulfil every duty
expected of them.

What are you struggling with?

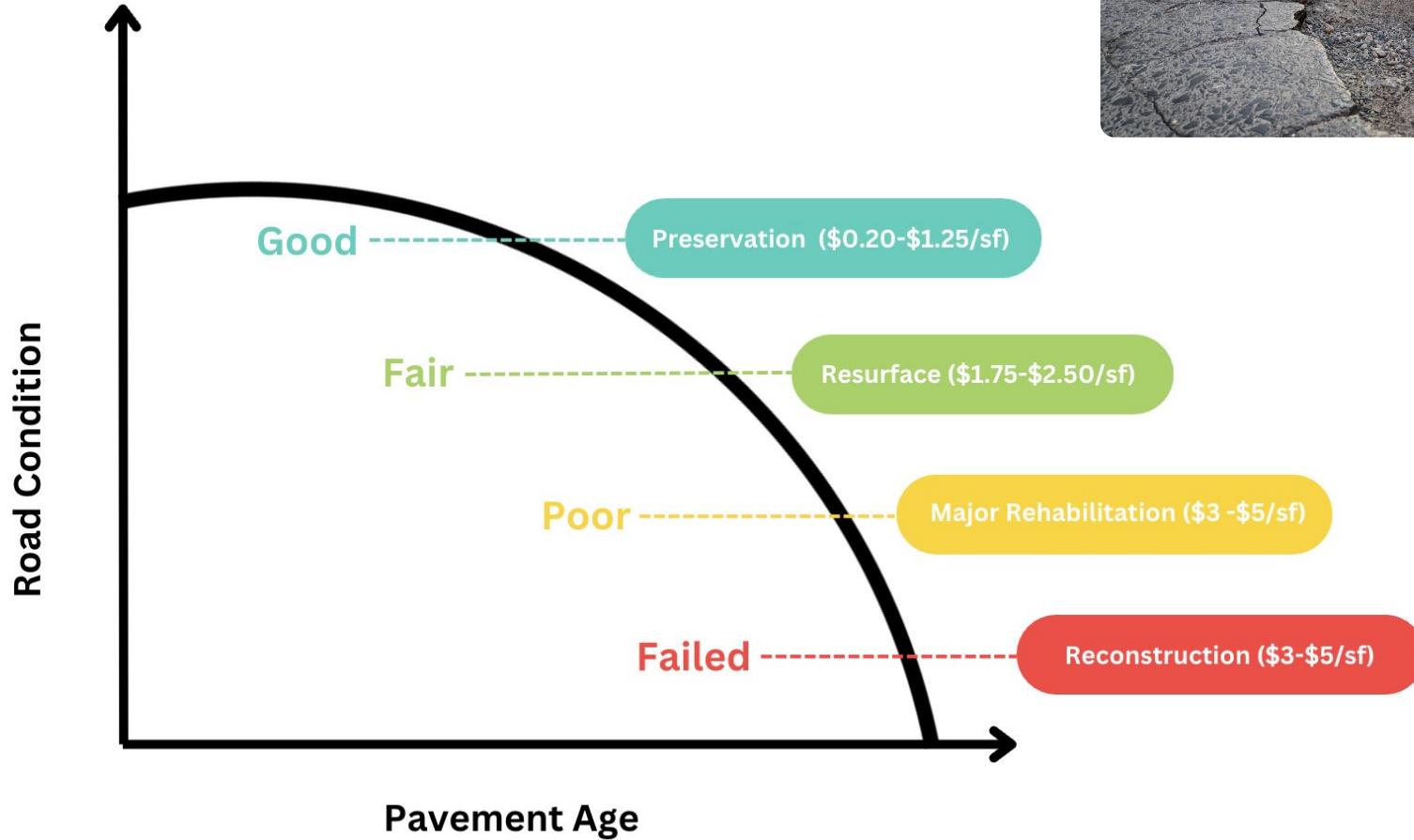


Proactivity



The Importance of Early Intervention

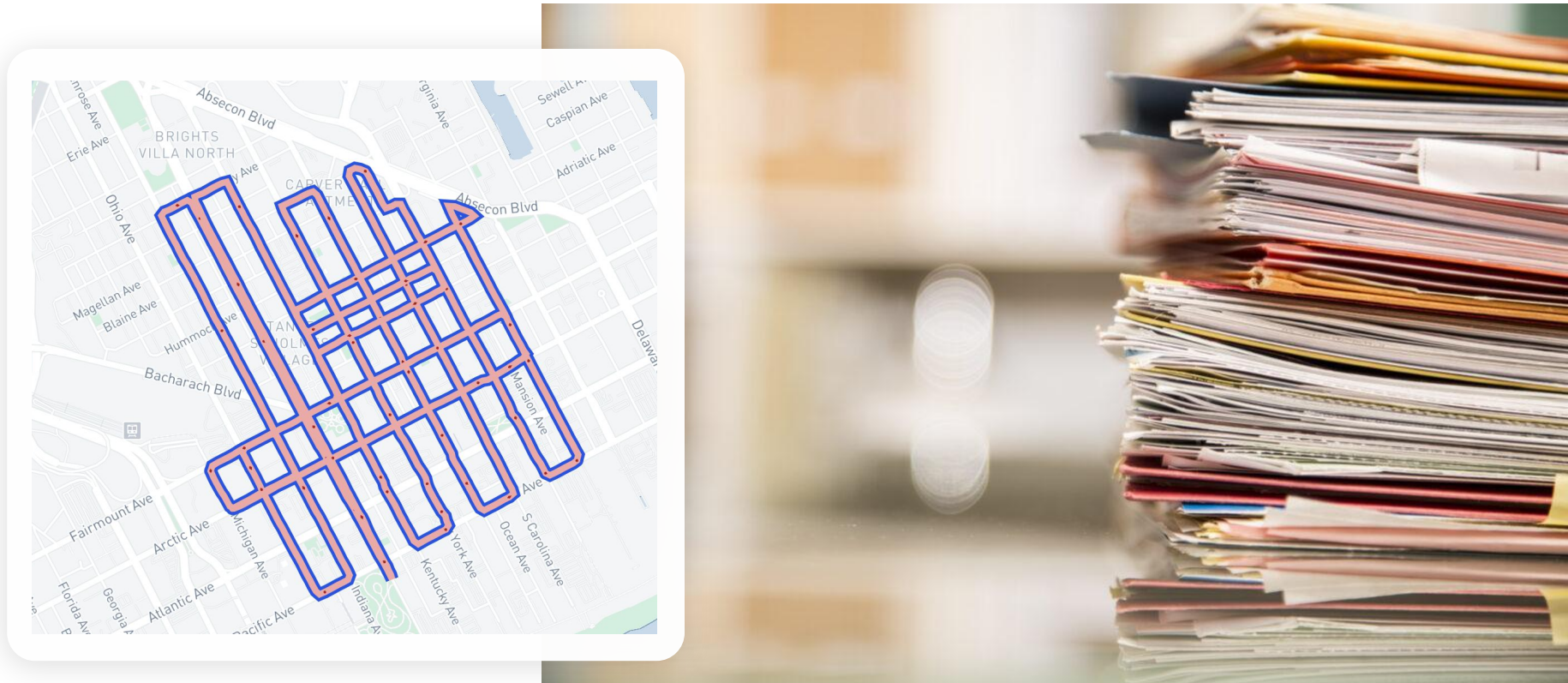
- Cost Savings
- Prevention
- Objective planning





Legal Compliance

- To avoid breaches of road safety laws and regulations, it is necessary to document continuous road inspections and damages. vialytics makes this process easier than ever before.





Climate Resiliency

- Flooding and unpredictable weather patterns take a toll on road management. vialytics documents damages to your infrastructure and helps municipalities build with climate-resiliency in mind.





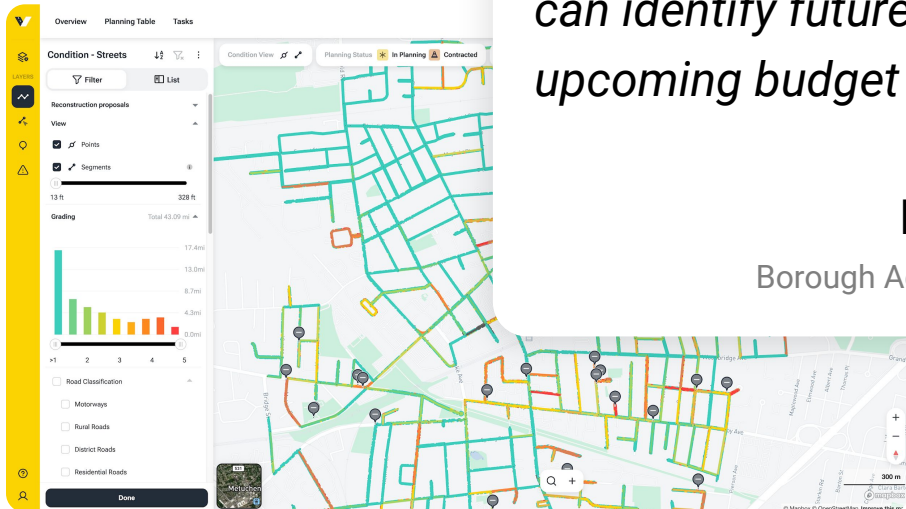
Metuchen pioneers Road Management

- The borough of Metuchen, NJ, implemented the vialytics System in June 2023 and already benefits from better processes and the system's adaptability.

"Using the vialytics technology has revolutionized our processes! We have real-time data on our roadways in one place where we can identify future tasks for the upcoming budget cycles."

Melissa Perilstein

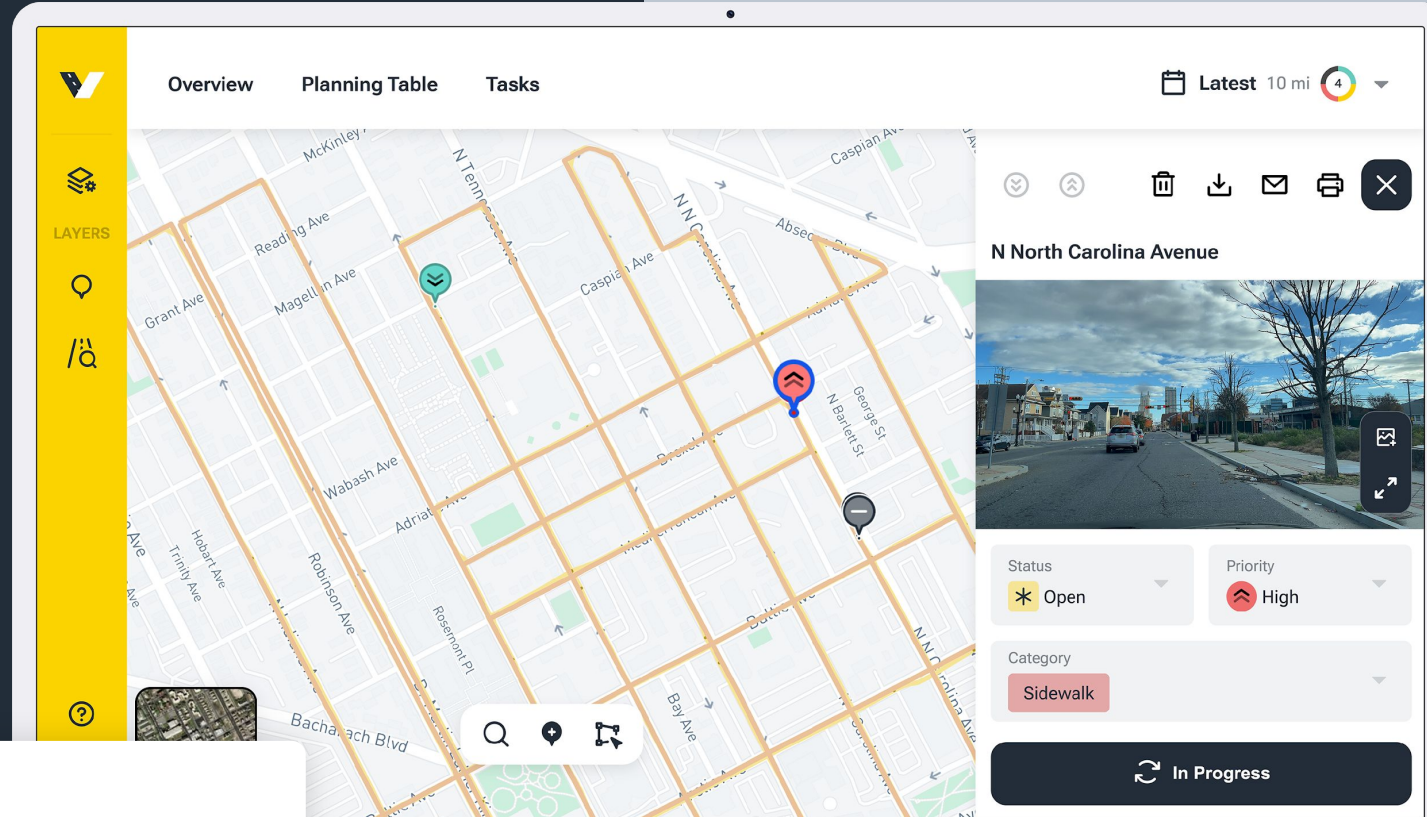
Borough Administrator, Metuchen, NJ



3. vialytics System

Our Solution:

The fully integrated **Road Management System** for efficient **Workflows**





Data collection and workflow management



Upload

Image Collection:

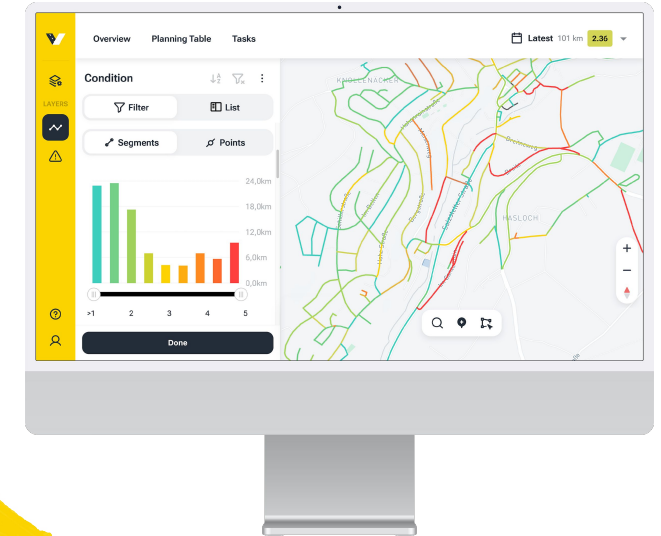
- Condition Assessment
- Collection of Tasks and Inventory



Upload

AI data processing:

- ca. 1 day for Tasks
- ca. 5 days for Condition Assessment (max. 30 days)



Workflows in the web system:

- real-time image data
- task management
- digital report & planning tool





vialytics Inventory Management™

- ✓ Automatic Inventory
- ✓ Detection of damaged Traffic Signs and Manholes
- ✓ Advanced Road Safety Alerts

vialytics Maintenance™

- ✓ AI Condition Assessment of roads and cycle paths
- ✓ Planning Tool for Maintenance Prioritization
- ✓ Intelligent Road Safety Alerts

vialytics Core™

- ✓ Automatic Image Documentation of the entire road network
- ✓ Digital Track Control and Winter Service Documentation
- ✓ Integrated Task Management





Use Case: Storm Drains & Manholes

- Damaged manholes, storm drains and road signs are automatically highlighted.

The screenshot displays the Vialytics 'Road Safety Alerts' interface. At the top, there are navigation tabs for 'Overview', 'Planning Table', and 'Tasks'. A status bar shows 'Latest 10 mi 3.06'. The main area is divided into a left sidebar and a central map. The sidebar includes a 'Filter' button and a 'List' button. Below these, a list of filters is shown with checkboxes: 'Damage type', 'Pothole', 'Lowered Storm drains', 'Lowered Manholes', 'Outsticking Manholes', and 'Outsticking Storm drains'. The map shows a street view of Pregizergasse, 72221 Haiterbach, with a red line indicating a 'Damage type 5' and 'Grading 5.0-5.0'. A photo of a street scene is overlaid on the map. To the right, there is a photo of several road signs, including a triangular warning sign for a worker, a blue circular sign with a white arrow, and a red circular sign with a white 'X'.



04

Thank you!



3.3 vialytics IM*

Inventory Management:

- Inventory of Manholes and Stormdrains
- Detection of damaged Road Signs
- Road Safety Warnings for Manholes and Stormdrains
- Expansion of automated inventory features

