Digital Inspection of Roads

Optimized operations for road maintenance contracts

Dura Vermeer, founded in 1855, is a construction company that focuses on residential and non-residential construction, and infrastructure. With €1.5 billion in turnover and over 2,800 employees, it is among the largest Dutch construction companies.

Customer story

- As a major Dutch road maintenance company, Dura Vermeer has many national, regional and local road networks under management.

- Growth in demand for maintenance and inspection has prompted the Infra Division to set up a separate Asset Management entity.

- It has recently acquired stakes in two major road maintenance service providers.

Background

HAL24K's Digital Inspection of Road product helps Dura Vermeer meet its present-day inspection challenges:

- Keep its inspectors safe

- Continuous insights

- Optimize operations

- Improve client relationship

Situation

Poor condition of road infrastructure imposes a cost on users, the economy and the environment.

The importance of regular visual inspection of road infrastructure is increasing in The Netherlands, both through contractual and legal requirements.

But road inspection has its challenges. It is an objective task done by subjective people, in potentially dangerous conditions. Road maintenance contracts increasingly place the burden of proof of inspection and infrastructure condition with the contractor.

Dura Vermeer was in need of technology to help the organization optimize the inspection process and improve its output.

HAL24K was the ideal partner to develop the solution to their problem.

DURA VERMEER

Customer

Dura Vermeer
The Netherlands

Industry

Road maintenance

Needs

- Inspector safety
- Improved data-driven insights
- Transparent client reporting
- Compliance
- Automation of manual tasks
- Cost control

Benefits

- Continuous insight in road conditions
- Safe working environment
- Save time, resources & cost
- Optimal maintenance planning
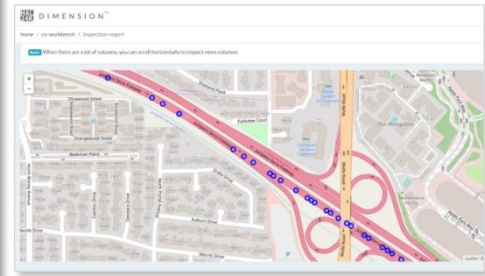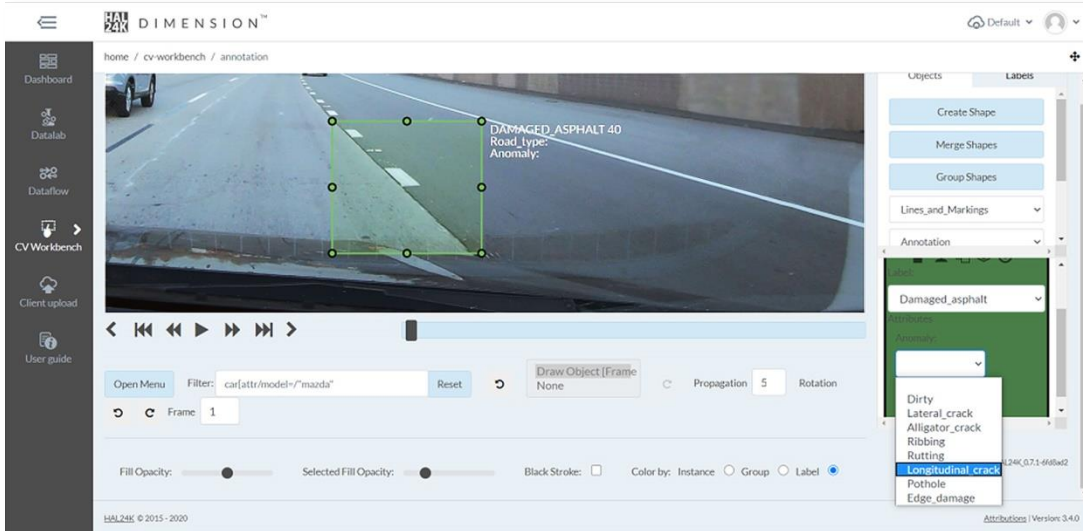- Actionable & auditable results
- Improved stakeholder management

Learn more
www.hal24.com

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Client scanned and analyzed **500+ km** of roads in major European city within weeks

Safe inspect process, **100% process control**, cost efficient, and zero impact on traffic flow

Automation of manual tasks **frees up to 20%** of maintenance engineers' time

Digital Inspection of Roads

HAL24K's Digital Inspection of Roads brings efficiency, safety, objectivity, and transparency to road inspections.

Combining state-of-the-art computer vision technology with inspection management software, the product helps inspectors, technical managers and asset managers with the digitalization of inspection tasks and improves their output.

Implementation

HAL24K's worked closely with Dura Vermeer staff in the development of the product.

It is now used to optimize daily inspections in multiple €50+ million road maintenance contracts of up to 25 years.

Consumer-grade cameras are mounted on any car to record inspections, AI models are set to work during video processing as a co-pilot for operators who can then review correct or add to the results swiftly and accurately. All findings can be easily viewed, searched, analyzed, referenced, reported on and audited.

New market opportunities

In addition to the optimization of regular visual inspection, the new product also offers Dura Vermeer the opportunity to launch a new inspection service.

The company offers Dutch municipalities a swift and thorough inspection of their road infrastructure.

The unique output includes detailed, auditable and reusable data on defects, referenceable visuals, and advice on optimal, location-based maintenance to keep the infrastructure in good order.

"As a contractor, Digital Inspection of Roads allows us and our partners to digitalize our inspection process and automate multiple manual tasks.

With the solution we can inspect quicker, safer, better and completely transparent to our clients. We are delighted to be part of its creation."

Dura Vermeer

See what's possible

Contact HAL24K and request a demo
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