

AssetViewer

Optimize and digitalize your infrastructure inspections

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

Asset owners, operators and contractors need efficient inspections and data-driven insights to keep their infrastructure safe and compliant.

Digitalize your infrastructure inspections

Maince’s AssetViewer solution augments and digitalizes your infrastructure inspections and of multiple asset types. Raw asset data from multiple sources - from consumer-grade cameras to professional drone equipment – can be processed, visualized, analyzed, compared and reported on as never before.

For the automated detection of assets and defects, you can choose to deploy computer vision models from Maince, third parties, or your own. The solution also enables you to efficiently collect data and train the models that work for you.

AssetViewer helps you with the optimization of inspections, reporting and maintenance planning, and gain continuous insight in the state of infrastructure.

A clear view of the challenge

Effective maintenance has its challenges as organizations need to:

Improve inspections and optimize maintenance while reducing costs

Fix defects before they threaten structural integrity

Achieve data-driven decision making

Demonstrate that contractual and regulatory requirements are met

Establish a safe working environment



Overcome these challenges with AssetViewer

Efficiency and a competitive edge

- Save time, resources & cost
- Make inspections part of everyday operations
- Increase coverage area per inspector
- Optimize location and condition-based planning
- Use for all infrastructure assets

Data-driven insight in infrastructure

- Control and leverage your own data
- Build up knowledge base
- Continuous and objective insight
- AI-native software for data collection and operation of best-of-breed machine learning models

Safety and compliance

- Improve inspector and user safety
- Easy and transparent reporting
- Demonstrate compliance
- Integrate with existing asset management systems
- Improve stakeholder management

Data-driven inspections of railway bridges

“It is very impressive to see how Maince create a 360 degree digital view of a bridge, allowing us to zoom into every detail from behind our desk through AssetView”



Optimize inspections of road infrastructure

“As a contractor, AssetViewer 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.”





The ultimate, scalable and secure solution for data-driven maintenance

An AI-native application

AssetViewer is an AI-native, SaaS-based inspection workflow system that offers data preprocessing and pipeline management, asset management and annotation tooling, and comprehensive reporting functionality.

AI is core to all Maince software. AssetViewer is designed to enable the use of machine learning models for the automatic detection of assets and anomalies.

Uniquely, AssetViewer hosts partner and customer models in addition to Maince's proprietary models. In this way, users can make use of the customized AI that have invested in, while benefitting from maximum value through best-of-breed, third-party models.

Data-driven asset management

AssetViewer allows asset owners, managers, operators and inspectors to centralize, digitalize, and manage their asset data across asset types. You can analyze and process video frames on road and rail infrastructure just as easily and effectively as drone footage of bridges and satellite data on vegetation. This is supported by multiple ways to navigate the data, from plots on maps to 2D grids and 3D point clouds.

AssetViewer allows you to create or use your own asset decomposition and individual assets. All inspection results are then linked to the relevant (sub)asset and can be automatically analyzed over time, stored, reported on and outputted to third-party systems. The software is robust, secure and open by design, enabling integration with third-party tooling, such as Asset Management, GIS, or BI systems.

How it works

[Easy-to-use user interface](#)

[Easy, secure & scalable data ingestion](#)

[GPS-based video frame splitting](#)

[Use AI models for automated detection of assets and defects](#)

[Interactive navigation through maps, blueprints, 2D grids and point clouds](#)

[Quick registration and labeling of relevant detections](#)

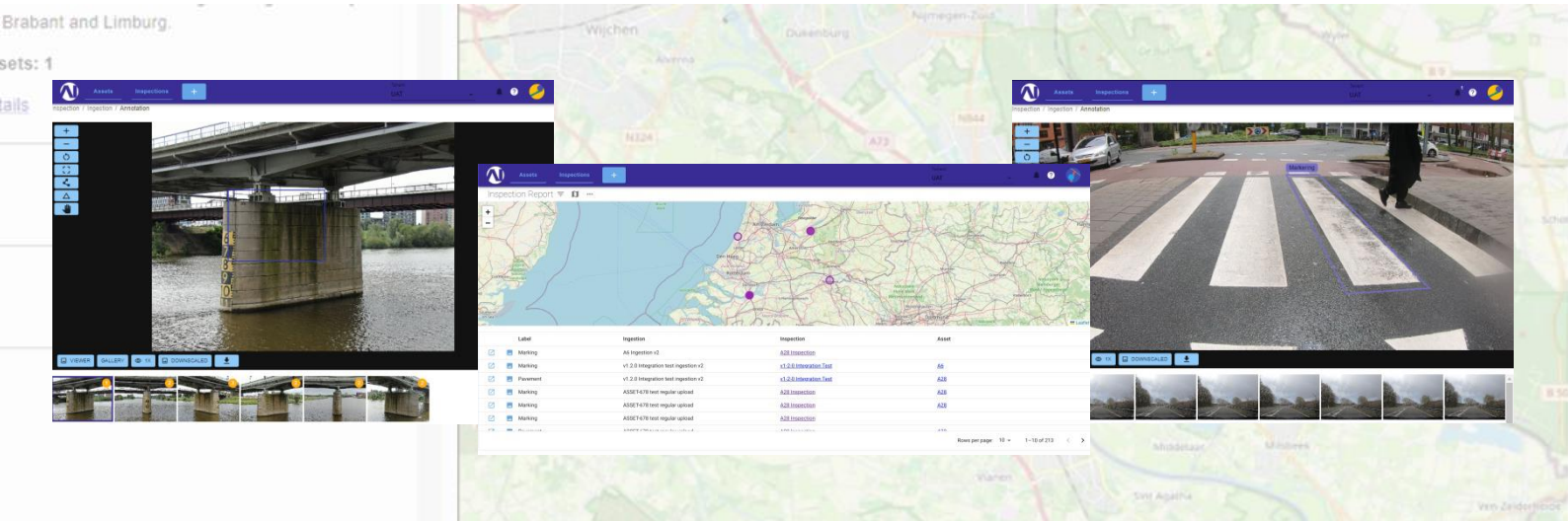
[Automatic frame-based comparison with previous inspections](#)

[Create and manage your assets and asset decomposition](#)

[Automated reporting of inspection output in PDF, DOC, XLS and CSV](#)

[Create training data for your own AI models](#)

[In-built security & authorization management](#)



Maince is based in London and Amsterdam and enables AI-powered, data-driven asset management for key infrastructure providers. Our products unlock the value from data, so organizations make informed decisions, gain continuous insight into asset performance, predict asset lifecycles and optimize operations.

See what's possible

Contact Maince and request a demo sales@maince.ai

