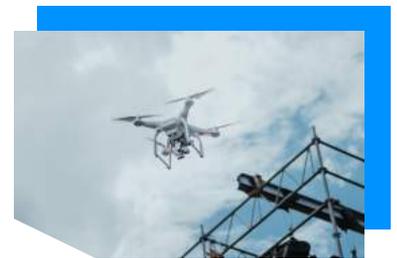Dronepoint

About Dronepoint

We provide aerial asset-intelligence & data analysis to help you work faster, safer and smarter

Since as early as 2014, our vision is, and always has been largely innovation-driven. We seek to aid our stakeholders in meetings today's, as well as tomorrow's challenges in the asset management domain. To that end, we believe that the combination of drones, leading software and artificial intelligence for analysis is the way forward.

This means we're so much more than just a drone company. We deliver end-to-end drone inspection services and data analysis, in which we deploy the latest drone inspection solutions and technologies to optimise asset management and performance.

Operating drones is only half the work; it's all about turning data into information, and information into valuable insights. We don't just leave you with a bunch of data sets. Instead, we provide you with intuitive tools to go from visual data to operational excellence.

Doing what we do best

Here at Dronepoint, delivering actionable results has always been among our top priorities. We strongly believe that the only way in doing so is by truly knowing and understanding your customers. This requires a clear and strong focus, which is why we focus on what we do best.

This effectively means that we concentrate on those industries where we have built a strong track-record over the years. Armed with sector-specific expertise, we aim to solve critical problems and deliver a real bottom-line impact across these six sectors.

RAIL & METRO

ROADS

WATER

CONSTRUCTION & RENOVATION

INSURANCE

COMMERCIAL REAL-ESTATE

Drone Technologies

The right approach for every situation

Drones are safe, fast-to-deploy, versatile and provide maximal flexibility. Combine all of that with various sensors, and there is a large potential to collect rich data sets from every possible angle, for a fraction of the costs. We leverage 7 drone sensors to obtain the insights you need for every situation.
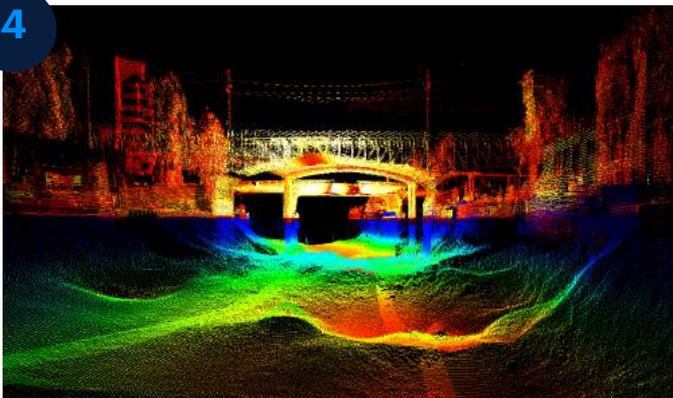
1. Ultra HD Images
High-quality photos and videos from hard-to-reach places and unique vantage points.

2. Orthomosaic Map
A large aerial photograph of an area, geometrically corrected so that the scale is uniform.

3. Point Cloud
A collection of million geo-referenced data points that define the shape of an asset or area in 3D.

4. LiDAR
The use of light energy to scan the surface and measure variable distances. It can detect the tiniest objects otherwise invisible for the naked eye. LiDAR allows for accurate digital terrain models or 3D asset reconstructions.

5. Thermal
Captures and displays temperature distributions across surfaces and objects to reveal hidden defects. Examples may include moisture damage, water leaks, energy inefficiencies and other problematic temperature variations.

6. Ground Penetrating Radar
From the air, GPR can see through the surface of ground, rocks, ice, freshwater buildings and many other structures.

7. Confined Spaces
The confined space inspection drone is equipped with on-board LED lightning, high-definition cameras and is housed in a collision tolerant carbon-fibre cage.

Inspection & Asset Management Software

Asset-viewer is cloud-based software for visual data management

Start digitising your infrastructure assets. Store, visualise, analyse and share inspection data in one secure environment. Asset-viewer optimises inspection workflows with visual data and powerful tools for analysis. The platform is developed by and for asset-managers, to make better-informed decisions on managing and maintaining assets.
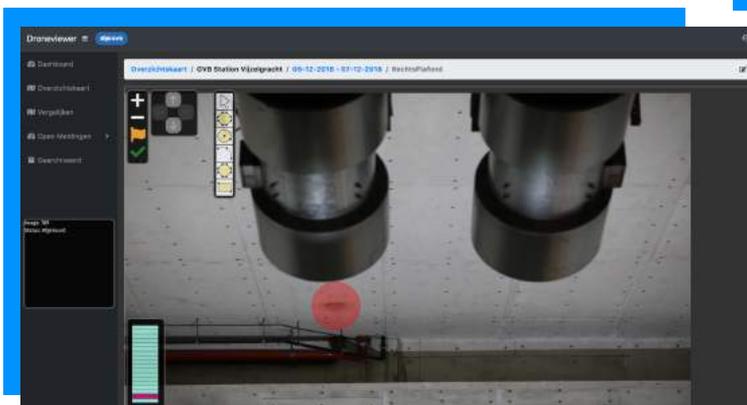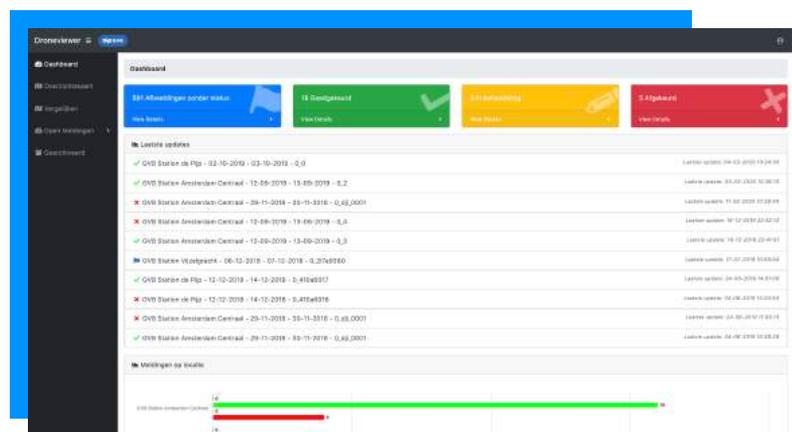
Visualise
▸ Digitise assets by location
▸ Upload (complementary) data sets such as photos, videos, blueprints, 2D / 3D models, thermal photos, etc.

Analyse
▸ Compare data periodically
▸ Annotate findings
▸ Image recognition & AI

Collaborate
▸ Gather knowledge in one place
▸ Collaborate with teams & clients
▸ Dashboard with trends & relevant information
▸ User roles & authorisation

Define Workflows
▸ Integrate with SAP, IBM or ESRI
▸ Define inspection workflows
▸ Personalise the interface
▸ Extra functionalities are possible on demand

A new way to inspect concrete constructions

Since as early as 1962, Balm is a true specialist in the field of concrete construction repair and renovation. Before the start of every project, thorough inspections take place to examine the state of the concrete. It is the only way to determine the right amount of materials needed to get the job done, as well as setting-up a quotation for the customer. A pretty straight-forward process, unless you so happen to deal with high-reaching apartments – as was the case for a large renovation project in the Bijlmer area, the Netherlands.

The traditional approach would involve areal access platforms, which are not only dangerous for the workers involved, but may also take days to do the job. It is for these reasons that Balm had decided to team-up with Dronepoint. By making use of an industrial drone, all areas of the apartment were photographed within a matter of hours – not days. And by means of the live feed provided by the drone, the dedicated Balm inspector was able to oversee the entire operation.

Benefits of drone-led inspections

Reduced inspection time

Reduced inspection costs

Improved inspection quality

The inspection photos were then stored and organised in asset-viewer: a digital workspace designed to support the assessment process. Instead of conducting rough estimations on site, assessments are now based on visual data from behind the desk.

Balm reported improvements in inspection time, inspection costs and overall inspection quality. In fact, making use of drone hardware and software has enabled Balm to deliver faster and better-quality quotations to its customer base.