



## Drone flights

Efficient documentation of the existing situation and 3D measurement of the railway infrastructure

### Product description

As-built surveying using drone flights enables the efficient recording and digitalisation of railway infrastructure. Whether as a basis for planning, for regular monitoring of the construction site or as support for maintenance, we use the drone to precisely record your infrastructure systems. We provide you with the data and analyses either in the desired format or as a web application.

### Our services

- Organisation of the flight within the framework of the applicable regulations and in coordination with the railway operator.
- Optimised aerial survey tailored to the desired results and accuracy (verifiably up to 1 cm).
- Generation of orthophotos with a ground resolution of up to 5 mm.
- Processing of 3D data as a point cloud or coloured mesh.
- Further analyses and mapping from the collected data sets.

### Your advantages

- Whatever the purpose, recording the current status of the system and bringing it into the office involves a great deal of effort. With the use of drones, we can do this for you efficiently, outside the track area and in high quality.
- You receive high-quality and up-to-date data records from the desired perimeter.
- Through regular flights, we document changes to your systems or the progress of your construction site.
- We use the recorded data to generate further analyses for you, for example on the terrain, information on the contact wire position or the volume of earth movements

### Contact

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