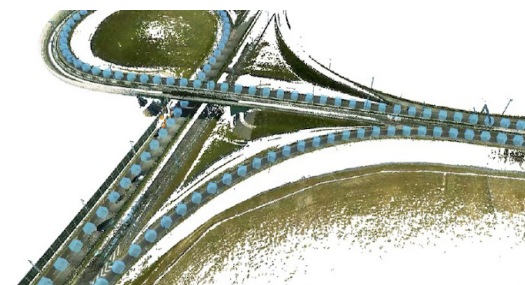# POINT CLOUD
TECHNOLOGY

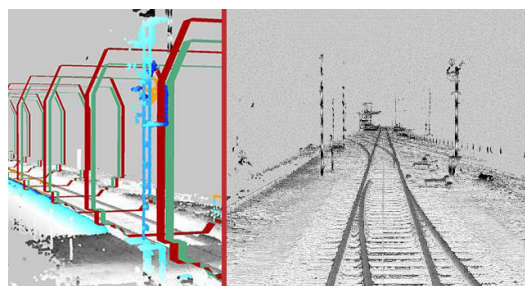# Point Cloud Analytics and documentation for infrastructure networks (SHH Poland)

Challenge

Together with SHH in Poland, the challenge was to provide a solution for analyzing point clouds of country-wide aerial surveys and point cloud data of cities collected by mobile mapping. One goal was to visualize and manage the road systems, including the automatic detection of assets and requirements for maintenance work.
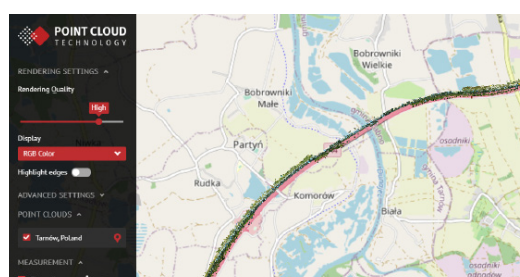

Solution

Point Cloud Technology provided a platform to analyze dense mobile mapping scans of infrastructure networks. In addition, digital tree cadastres were derived based on 3D point clouds using Point Cloud Technology's vegetation analysis tool. With the web-based platform, various departments and agencies can constantly monitor and document the environment. In addition, the web viewer is used to provide the data and processing results to third parties.

Result

For the executive management the implementation of the platform has been a great success as they are able to carry out their maintenance planning faster and more effectively. One user explains, „The Point Cloud platform has had a very positive impact on our planning. We are able to control the availability, safety and life of our roads in a way that was not possible before."

- **Executive management**
- **Automatic detection of assets and requirements for maintenance work**
- **Analysis, surveillance, documentation**

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