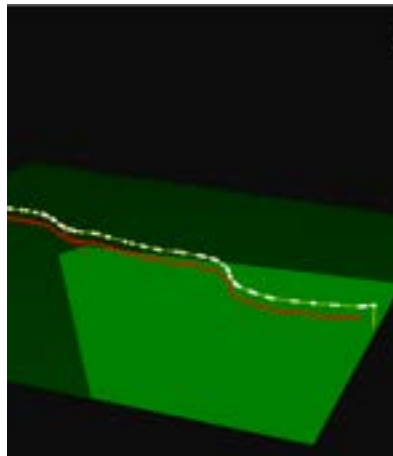


# Autonomous Inspection of Roads and Linear Infrastructures

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## USE CASE



### The Challenge

Roads, pipelines and other linear infrastructure assets need frequent inspection for condition assessment. Due to the huge scale and the heterogeneity of such assets, performing dronebased inspections for them is very challenging. Drone Harmony recently collaborated with the Slovenian company IGEA to perform a precise reconstruction of an 11KM stretch of mountain road for an inspection and measurement job issued by the Slovenian government.

### The Realization

Andraz Krivic from IGEA performed flights using Drone Harmony's road inspection solution. He collected about 3600 images in only 1.5 days of work with his Inspire 2 platform and generated an accurate 3d model of the road stretch that was used for analysis and measurements. Due to the difficulty of the terrain and complexity of the various obstructions in the scenery, such a task previously required much more time from skilled pilots and the results were of lower quality.

**Drone Harmony's road scanning enterprise solution imports both terrain elevation models and models of the roadmap to be scanned. The planned flights are computed automatically and optimized for the imported data.**

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## CONTACT US

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