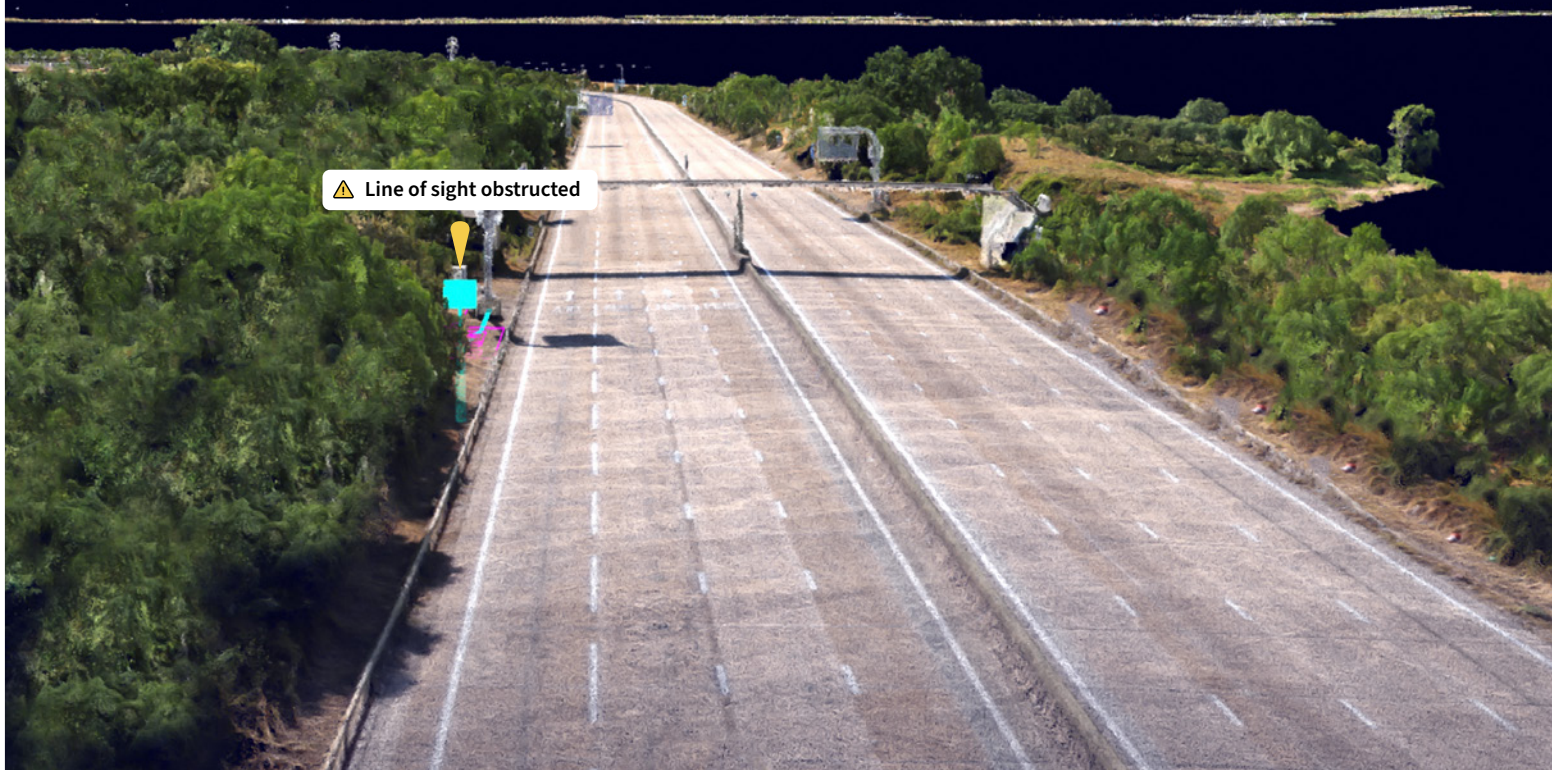


How Octavius optimised sign installation on the UK's busiest highway using Sensat



Above ROTTMS CAD file overlaid in the context of the real world in Sensat. Risk identified by Octavius from their desktop.

Challenge

The Octavius team had to install 25 ROTTMS (Remotely Operated Temporary Traffic Management Signs) onto the UK's busiest orbital motorway network. Traditionally, this would require costly and dangerous night surveys. With each night shift costing upwards of £6,000, the expense to just survey the site would have exceeded the total allocated budget

2,000

estimated hours saved
on live highways

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Sensat enabled us to identify ROTTMS design conflicts early to avoid scheduling delays that may have only been detected on-site. This helped us get plans right-first-time.

Sean Coleman

Innovation & Quality Manager at Octavius Infrastructure.

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Solution

Teams used Sensat's environment of the highway network to inspect the 25 locations, eliminating the need for individual site surveys. Octavius uploaded original positions and ROTTMS models to Sensat, overlaying them on the topographic scan to undertake desktop inspections, identify clashes, and design traffic management plans. This reduced site visits and planning time, fostering stakeholder collaboration.

Octavius saved upwards of £159,000 by eliminating survey visits; reducing the need for multiple contractors by 16 night shifts; and minimising public disruption. ■

Use cases



Clash detection

Teams layered the design and real-world data to identify potential clashes with other planned schemes, existing services, topographic constraints, unexploded ordinance reports and environmental vegetation without being on-site.



Gain approvals faster

Octavius could share the traffic management layouts overlaid over the backdrop of the real world with designers, and stakeholders to relay plans and gain approvals faster.



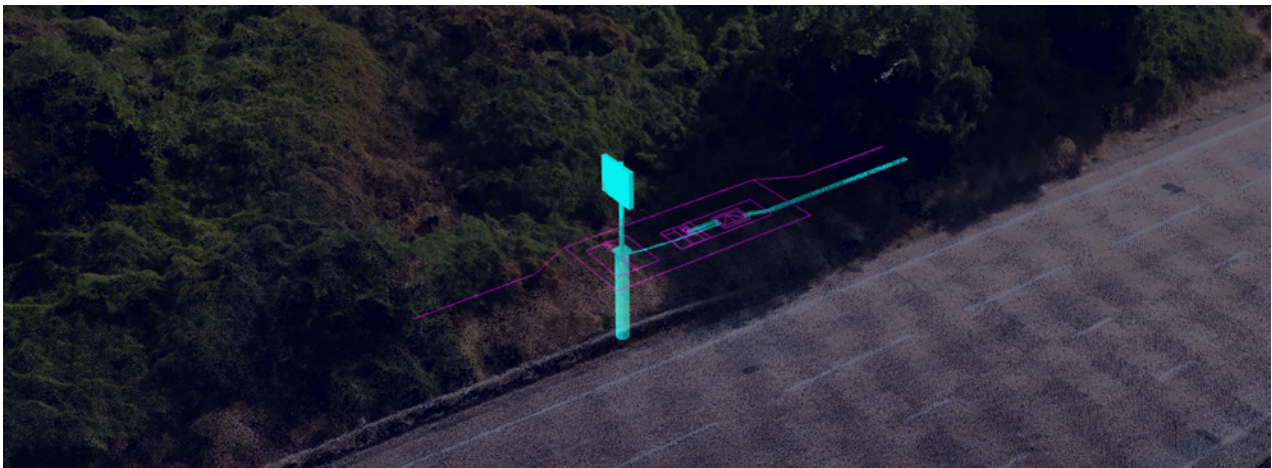
Minimise time spent on site

Teams undertook desktop health and safety assessments so that teams could arrive on site prepared and familiar with the surroundings.



Desktop line of site surveys

Octavius carried out line of site surveys on the network to measure distances and check that the ROTTMS could be seen from 130 metres upon approach.



Above Teams inspecting detailed designs in the context of the real world.

£159,000+

Estimated savings on the project from saved night shifts, information processing and surveying.

We have been able to make better decisions from the safety of our office using a clear, understandable visualisation of the highway. This not only prevented our team from going out onto the network unnecessarily but also reduced cost and minimised disruption to the general public.

Sean Coleman

Innovation & Quality Manager at Octavius Infrastructure

Discover how we can help your project tellmemore@sensat.co.uk