

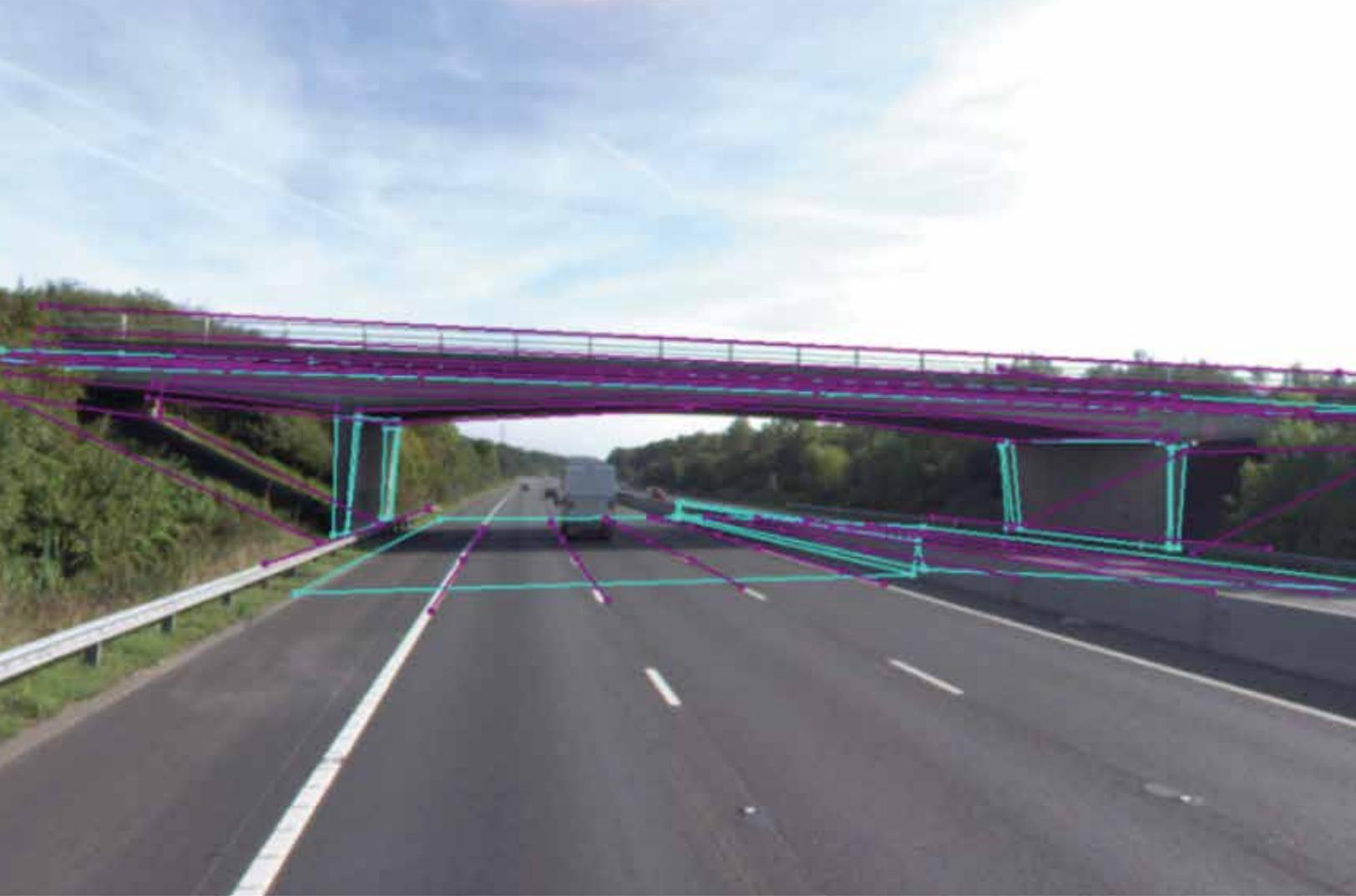
3 ways to Capture Mass Amounts of Data



1 **Capture Your Assets Without the Legwork. Literally.**

Speed Up Your Data Collection

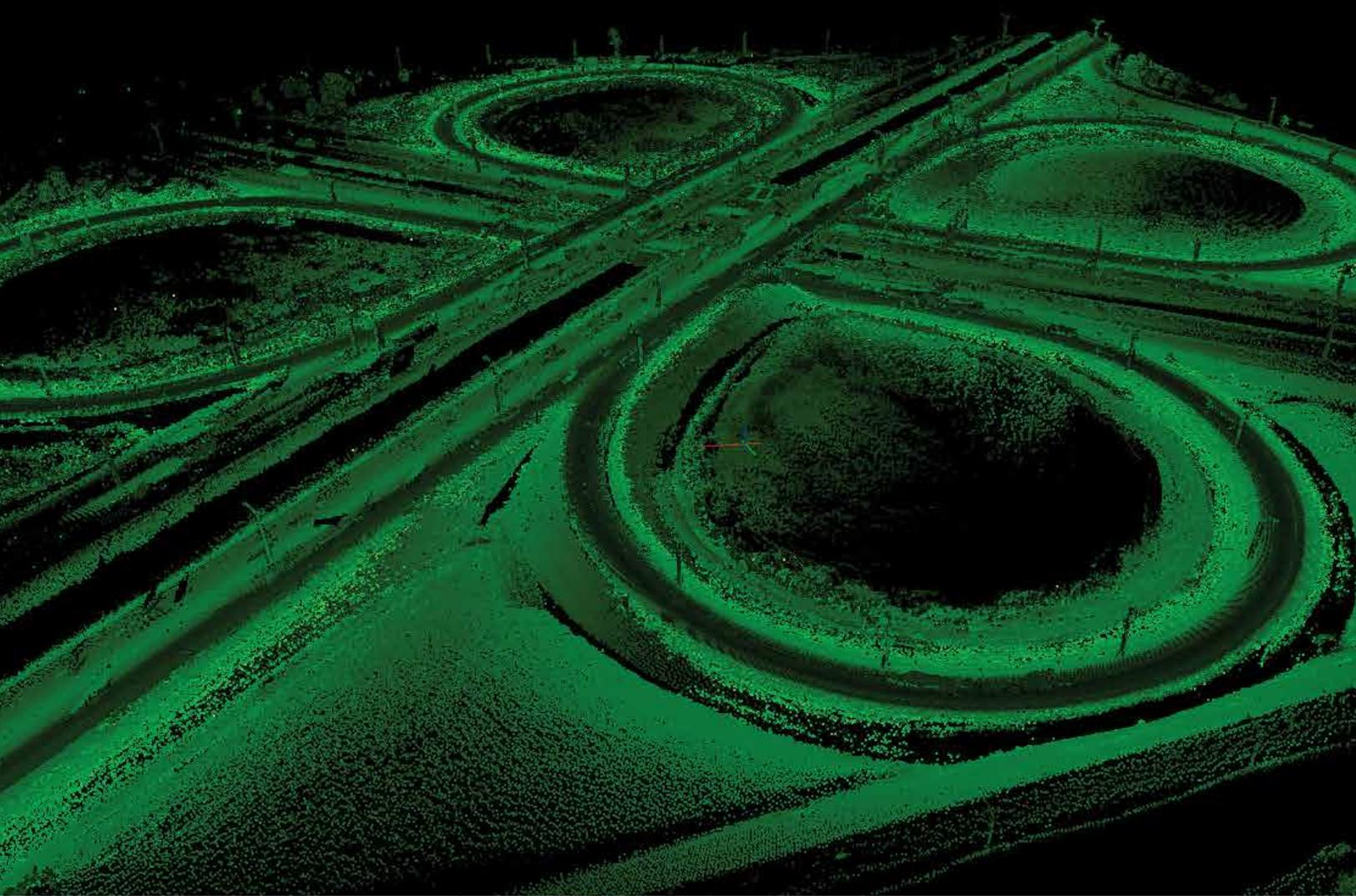
Organizations are responsible for capturing mass amounts of data including road and site infrastructure information. Cost and time savings along with safety concerns are driving organizations to alternative methods to collecting these assets. Traditionally, field personnel collect data on the ground utilizing methods to measure and attribute items of interest. Technology is now allowing organizations to collect mass amounts of data more efficiently and safely using a variety of vehicle mounted sensors. These methods are being adopted by a wide array of applications including civil, local government, railways, mining, oil and gas, utilities, and mapping.



2 Photographs Are Powerful

A Picture is Worth a Thousand Words

The output of photogrammetry is typically a map, drawing, measurement, or a 3D model of some real-world object or asset. Many of the maps and data sets we use today are created with photogrammetry and photographs. Capturing 360 degree geo-referenced images at highway speeds enables rapid data collection of objects such as bridges, buildings, roads, signs and poles, and power stations for documenting and measuring. This method of collection is extremely accurate and efficient, and it allows for the capture of more information via pictures.



3 Capture Point Clouds

Get to the Point. Accuracy meet Efficiency.

Creating definitive plans of complex road junctions and infrastructure, for instance, has for many years been carried out using total stations or with GPS and manual analysis. LIDAR(Light Detection and Ranging) configurations allowing for the capture of millions of points along a roadway can supplement traditional methods of data collection. The task of turning these millions of captured points into geospatial intelligence can be processed into 3D point clouds and images. Workflows are proven and highly efficient, and operators can select various export options including, for instance, seamless compatibility with GIS/CAD systems.



Interested in learning more about Mass Data Collection?

Watch your email for our 3 part series on Mass Data Collection or follow us on social media for more information and how it can help your business increase efficiency, accuracy and profitability.



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