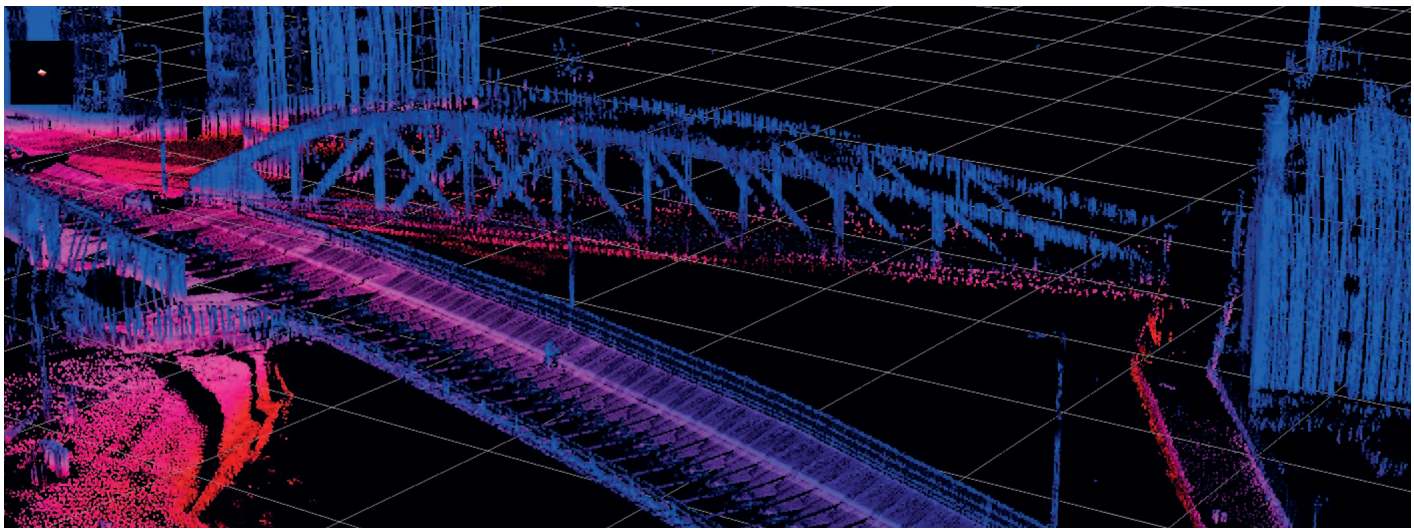
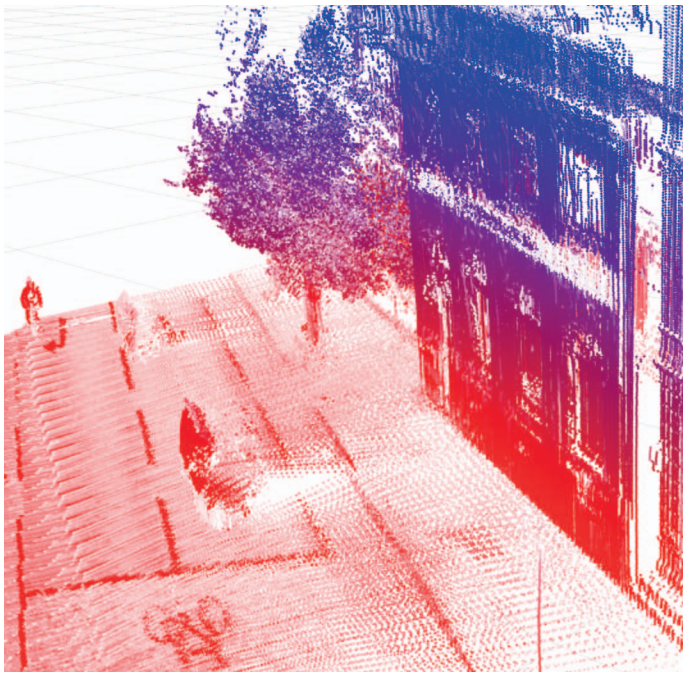
routescene
LidarViewer

# Turn raw data into business information



**With Routescene LidarViewer you can convert, analyse and filter huge volumes of point cloud data to improve productivity and workflow. Our powerful filters enable you to optimise workflow and extract only the relevant data for use in third party software, such as GIS and CAD packages, which are unable to cope with such large data volumes.**



## Why do I need LidarViewer?

So you can make sense of all the data you collect. The Routescene LidarPod® offers a fantastic richness of raw data with superb detail, collecting 700,000 points per second. At Routescene® we have a survey and mapping background, so we understand how geospatial information is managed, viewed and turned into business information.

Routescene LidarViewer, our specially developed software, takes this large volume of data and helps you make sense of it.

## How can I use this technology?

By transforming raw data into valuable business information. All with one single piece of software.

Third party software, such as GIS, CAD, terrain mapping or 3D animation packages, are not able to cope with large volumes of data and would fallover. The Routescene LidarViewer removes this problem for you, taking the large volume of raw data and decimating it in a smart way. You can extract pertinent datasets, then import and manipulate easily in GIS and CAD packages, without losing any of the important detail you need.

The other smart thing about the Routescene LidarViewer is the range of specific filters you can use to extract just the data you want. You can even develop your own workflow, business and project specific filters too.

Routescene, 54 Timber Bush, Edinburgh, EH6 6QH **T** 0844 409 9532 **E** sales@routescene.com • www.routescene.com

## What are the benefits?

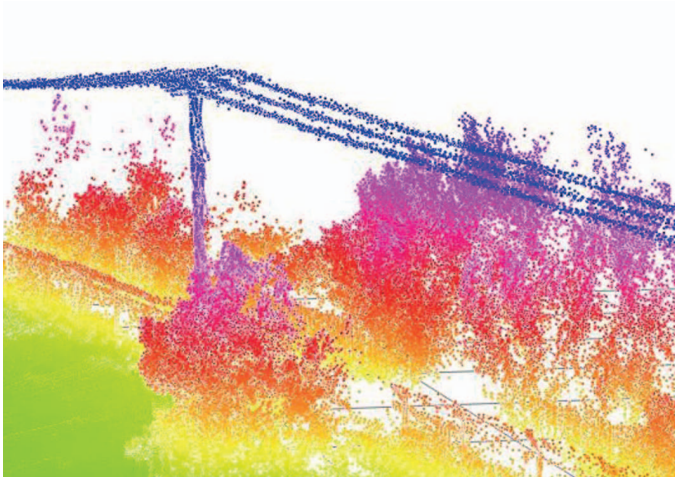
### Flexibility
- imports Routescene LidarPod® and native Velodyne LiDAR data
- view data as relative, egomotion and absolute coordinated point clouds
- stepped approach to
  - easily identify any errors in the data
  - apply filters in one of three available coordinate systems
- export point cloud, objects and tracks
- seamless workflow as easily integrated with 3rd party software
- manipulate and analyse the raw point cloud data

### Improved accuracy
- optionally import external post-processed GPS / INS data
- fine tune the calibration using 7 offset and orientation parameters
- high density data enables you to average the results

### Increased productivity
- provides valuable and accessible business information
- automate raw data processing by writing and applying your own filters
- create workflows by joining filters together using filter chains
- data analysis and processing is simple and efficient, enabling you to focus on areas of interest
- improved understanding and analysis using colour coding for different attributes
- easy and quick navigation around the point cloud
- view the data from different viewpoints
- quick measurements to improve decision-making using the 3D measurement tools

### Improved analysis
- instantly create a 3D map of an area, collecting all the scans together into one view using the Gather tool
- focus on particular details in a point cloud, then export selected points for further processing in other packages
- visualise successive frames using our Snail trail tool

**Technical specification available at www.routescene.com**



routescene®

Routescene® is a global operation. We have a strong cutting edge culture, offering agility and innovation.

We offer authoritative insight across all aspects of data management and have industry recognition as data visualisation experts. As a result, this knowledge has enabled us to invent the Routescene LidarViewer and LidarPod®, which are robust, easy to use, intuitive products with wide ranging applications. These products will deliver fast geospatial data capture, analysis and visualisation to improve your commercial decisions and performance.

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