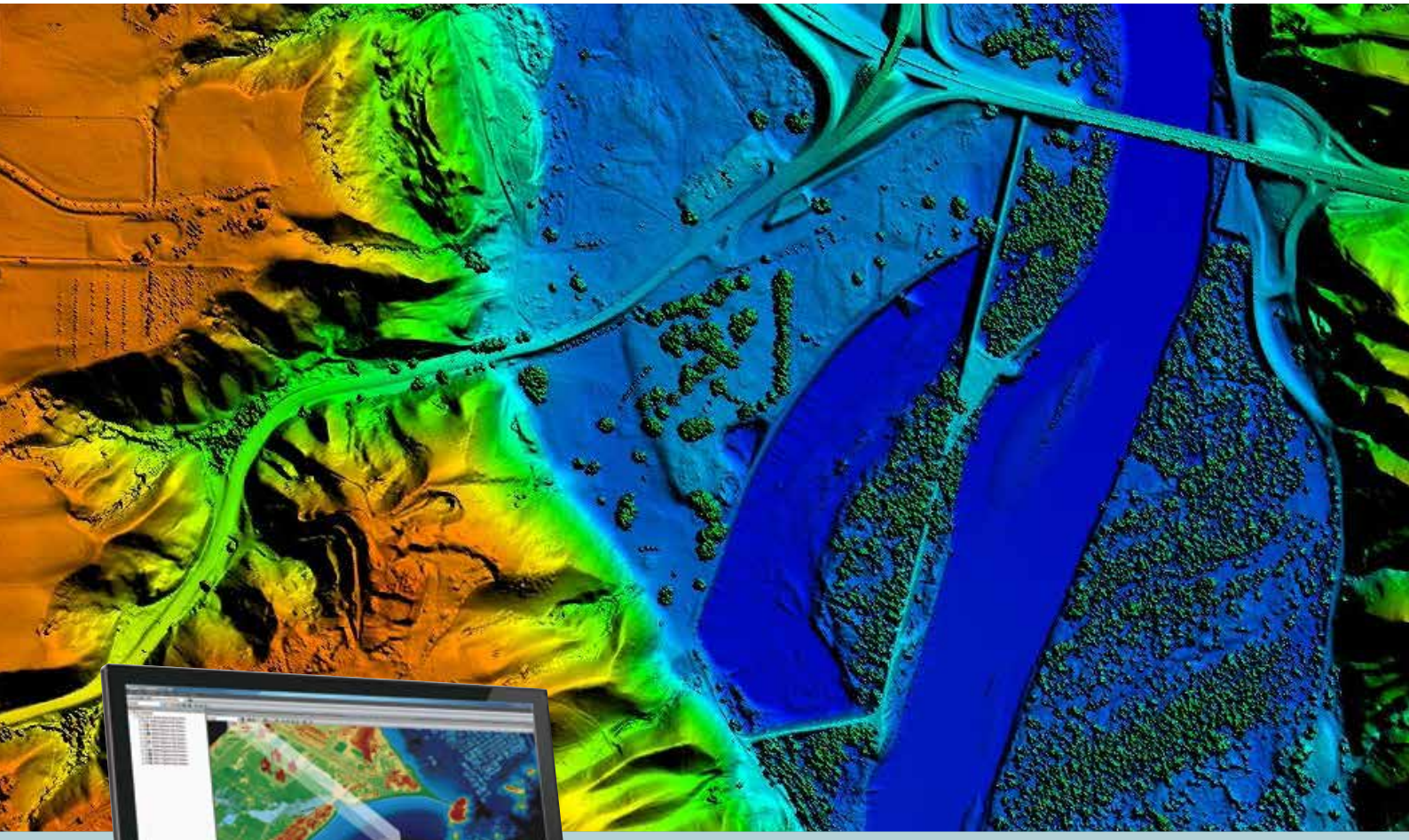
Leica LiDAR Survey Studio

Complete processing for airborne LiDAR sensors

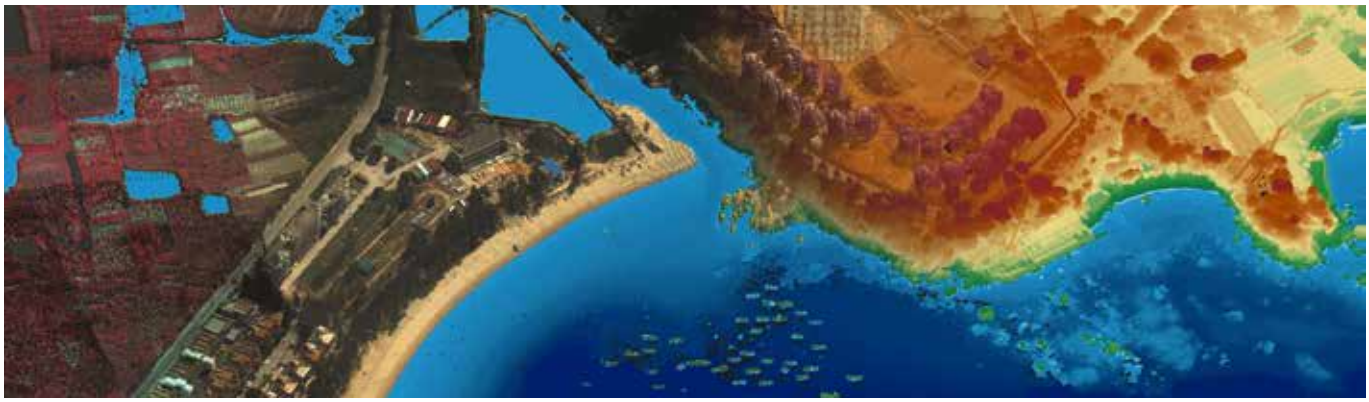


Leica LiDAR Survey Studio (LSS) post-processing software suite represents a major step in sensor fusion and increased post-processing productivity. Leica LSS integrates LiDAR point cloud data with high resolution camera data making color-coded point-clouds available. This makes post-processing work more intuitive and makes reviewing of LiDAR data easier.

A COMPLETE TOOL

- Visualise all your data fast and accurately in one intuitive interface. The Leica LSS integrates and processes the data from all Lecia Geosystems fused topographic and bathymetric LiDAR sensors and integrated cameras.
- Use one software for all your processing work, including point cloud generation, calibration and quality assessment.
- LSS processes all your topographic data from corridor mapping surveys of urban areas to infrastructures like power transmission lines. Use LSS combined with other software to create 3D city models and urban maps.
- Data collected during surveys of the littoral zone are processed, without stitching. This saves time and effort when creating end products such as coast- and shorelines mapping and charting the littoral zone.

Review all data simultaneously



Integration and workflow

The unique export function expands the post-processing productivity by enabling direct export of LiDAR point-cloud data to other software such as RealWorld and RealCity by Leica Geosystems and third party software. This is a significant step forward in increased productivity.

Point cloud in elevation, RGB, CIR and NIR view

Key features

QUALITY CONTROL IN THE FIELD

- The coverage plot tool enables the operator and field crew to quickly analyse the area flown after a completed survey mission and minimises re-flights

MULTIPLE SENSOR INTEGRATION

- LSS integrates camera RGB and near-infrared high resolution images with the LiDAR point cloud
- Depict urban areas and infrastructures in their true color

MAXIMISE SEABED DATA

- The Turbid Water Enhancement technology provides even more information than ever before with maximum water penetration
- Easy extraction of seabed information allows substrate characterisation and vegetation analysis
- World's most elaborate algorithms for sea surface detection and water refraction correction, even in rough sea conditions, including corrections in sloping water surfaces of riverine and flowing environments

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