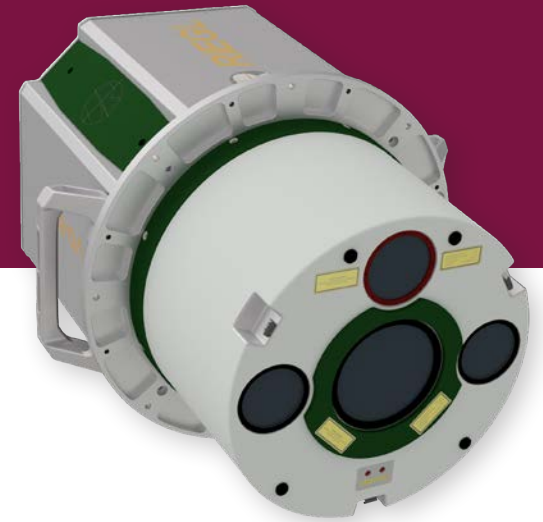


# RIEGL VQ-880-G II

## AIRBORNE TOPOBATHYMETRIC LIDAR SENSOR

### Our clients have access to the highest caliber data on the market

The RIEGL VQ-880-G II topobathymetric lidar system carries out laser range measurements for high-resolution surveying of underwater and over land topography with a narrow, visible green and near-infrared laser beam, emitted from a powerful pulsed-laser source. Subject to clarity, at this wavelength the green laser beam penetrates water, enabling measurement of submerged targets and the near-infrared enables measurement of above surface targets. It's a fully integrated airborne laser scanning system for combined hydrographic and topographic surveying.

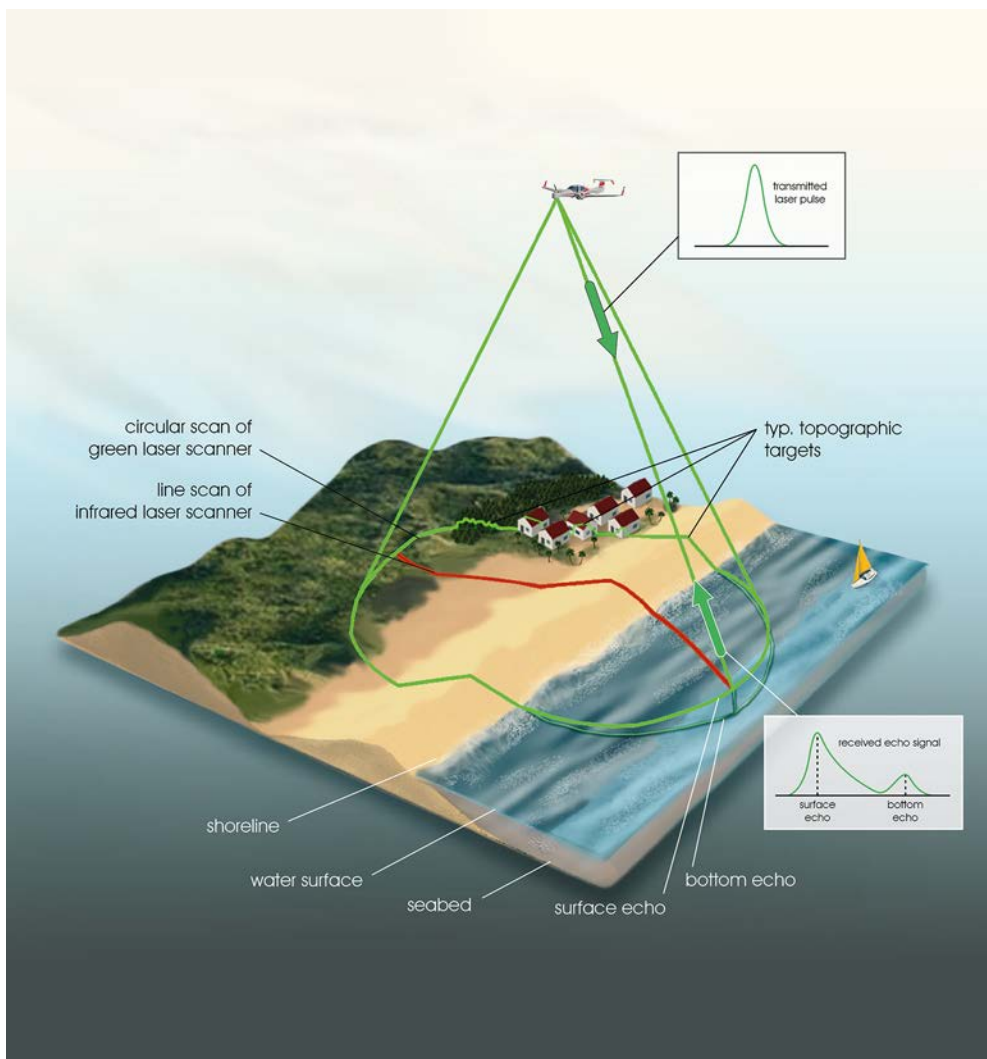


### Highlights

- 4-band (RGBN) 100 megapixel co-acquired imagery
- Designed for combined high-density topographic and bathymetric airborne survey
- High-accuracy ranging based on echo digitization and online waveform processing with multiple-target capability
- Green laser channel (with up to 700 KHz) and IR laser channel (up to 279 KHz) enables very high density (20+ ppsm) seamless topobathy data
- Multiple-time-around processing for straightforward mission planning and operation
- Concurrent full waveform output for all measurements for subsequent full waveform analysis for the green channel
- High resolution due to high measurement rate

### Applications

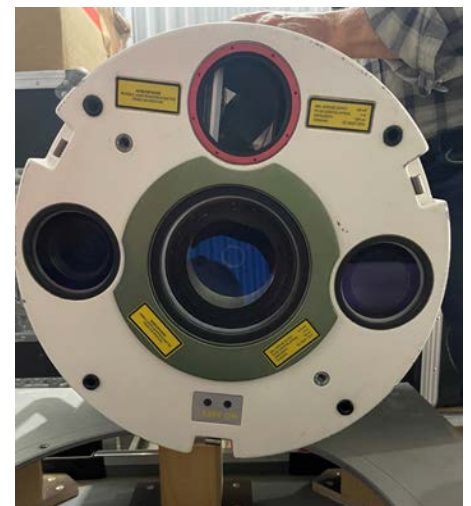
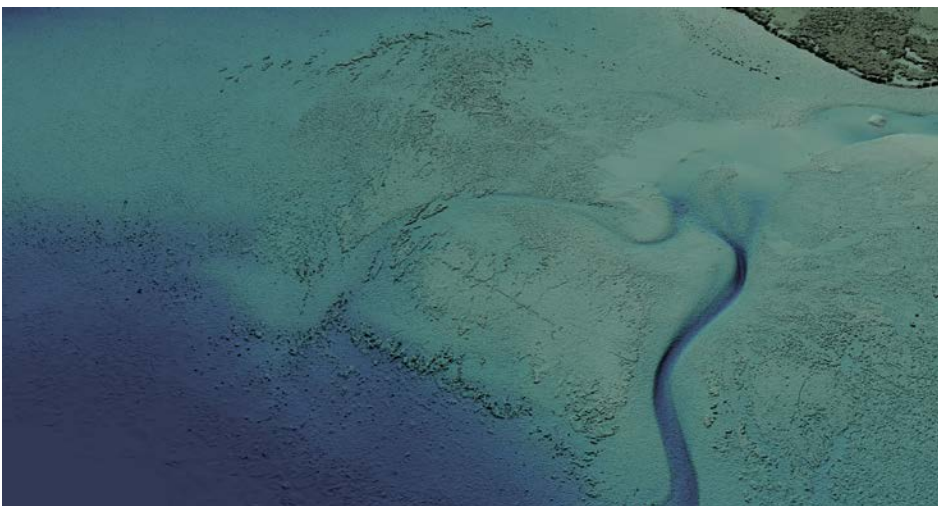
- Coastline and shallow water mapping
- Acquiring base data for flood prevention
- Measurement for aggradation zones
- Habitat mapping
- Surveying for hydraulic engineering
- Hydro-archaeological surveying



The colorized point cloud data and lidar intensity imagery shown here illustrates the level of detail that can be captured by the VQ-880-G II using an airborne platform.



DELIVERING  
HI-DEFINITION  
LIDAR  
DATASETS  
QUICKLY AND  
EFFICIENTLY



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