

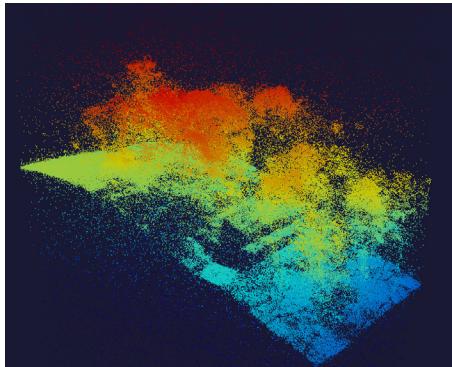
Point cloud processing

Acadia is 3DEO's software suite for processing raw lidar data into finished high-density 3D point clouds, complete with derived metadata such as relative reflectivity, height above ground and point confidence.

Integration into your workflow

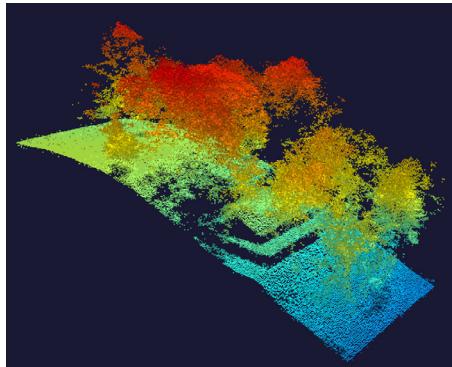
- ✓ End-to-end software solution to process Geiger-mode lidar data into finished point clouds and digital terrain models
- ✓ Easily incorporate customized processing modules
- ✓ Licensed on a per-sensor basis for deployment across laptops, cluster and cloud
- ✓ View data in standard LAS and GeoTIFF file formats, compatible with QT Modeller, Global Mapper, or Cloud Compare

Acadia processing suite



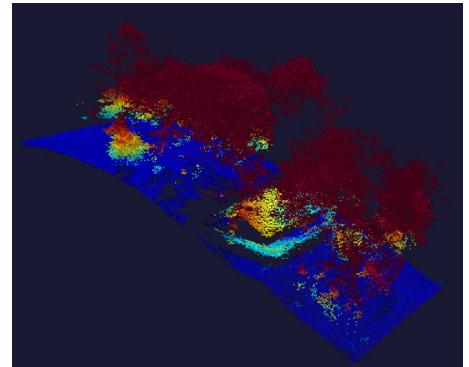
1. Raw data

- ✓ Individual photon detections
- ✓ Significant noise
- ✓ Typically 10-25 GB/minute of recording



2. Aggregated point cloud

- ✓ Complete picture of scene
- ✓ Minimal shadowing
- ✓ Noise removed
- ✓ Points labeled with relative reflectivity and confidence



3. Answers

- ✓ Point clouds labelled with height above ground
- ✓ High resolution digital terrain models and digital surface models