

Lidar Rectification Software

The Optech Lidar Mapping Suite (LMS) version 2.0, for Airborne Laser Terrain Mapper (ALTM) clients, has been released. The suite offers a new workflow designed for the production environment. Incorporating a fully-automated batch-mode capability, Optech LMS enables simultaneous processing of multi-mission data collects, and includes multi-threaded and distributed processing capabilities to further increase processing efficiency. A new lidar rectification module provides additional value by maximising and quantifying project-wide accuracies.

According to Michael Sitar, Optech's Airborne Survey products manager, optimizing lidar data accuracies by minimising flight-line to flight-line variations is a standard workflow process. By incorporating proprietary lidar optical models, Optech is able to offer a workflow that enables raw Lidar point files to be exported directly to value-added software without further refinement.

Optech LMS also includes pre- and post-rectification results, as well as relative and absolute accuracy comparisons. Results are available as a project deliverable in the form of reports, plots and graphic comparisons. Coupled with robust underlying algorithms that have been field-proven for more than two years, it largely eliminates the need for independent calibration flight regimes.

<https://www.gim-international.com/content/news/lidar-rectification-software-3>
