



Flight to Finish

Working with LIDAR data

The Flight to Finish course is designed for surveyors, designers, and engineers who seek to take advantage of LIDAR data and make use of the pointclouds in the design process.

Students learn techniques to create point clouds from original flight data, including orthophotos and Lidar data. Once the data is processed into a usable point cloud, students will learn how to manipulate the point cloud in Recap to create an optimal dataset to import into Civil3D. At that point, students will learn to work with the point cloud inside of Civil 3D to understand methods and processes to make the point cloud into viable surfaces.

COURSE FOCUS:

- Post Flight data processing
 - Point cloud generation from flight data
 - *(This portion is demonstrated in concept only due to the amount of time that an actual dataset may take to process in real time. Students will be shown the steps inside one software package that is representative of the processes of many other software options.)*
- Recap tools
 - Bounding box
 - viewcube
 - point selection methods
 - color modes
 - Point classification
- Civil3D Tools and methods
 - Slicing Tool
 - Section Tool
 - Map3dSpace Filters
 - Survey Points method
 - Generating a surface from point cloud

PREREQUISITES:

- Previous Experience with Civil3D points, point groups, and surfaces
- Knowledge of editing surfaces in Civil3D
- Comfortable working with very large files (15GB and up)

Additional Information:

- Instructor Led Training
- 1 Day, 9:00 am – 4:00 pm
- Dataset provided

Authorized Training Center:

1128 Roosevelt Avenue
Suite 100
York, PA 17404

Customized and on-site training available upon request.

To request a training, contact a Print-O-Stat specialist by phone at 1-844-435-7479 or email software@printostat.com.

Note: This class is best situated for in-person learning due to the large file sizes and software versions used.