

//// GPRS LASER SCANNING SERVICES

CASE STUDY

CASE STUDY: 3D SCANNING FOR NEXT GENERATION BUILDING MODERNIZATION

LOCATION

Miami, Florida - Carnival Cruise Lines Corporate Headquarters

TASK:

TruePoint 3D laser scanned 350,000 sq. ft of office space to develop as-built drawings, plans, and specifications for construction space planning and furniture placement. The data will be used by the client to renovate two buildings.

“PEOPLE WORK DIFFERENTLY IN TODAY’S WORLD, SO SPACES AREN’T JUST RENOVATED, THEY ARE MODERNIZED. CREATING AN ACCURATE DIGITAL REPRESENTATION OF THE CURRENT SPACE HELPS KEEP THE PLANNING AND DESIGN PROCESS EFFICIENT.”

ANDY FOSHEE
TRUEPOINT SOUTHEAST
REGIONAL MANAGER



PROBLEM

- Carnival Cruise Lines plans to redesign existing office workspace in the Miami, Florida headquarters.
- Carnival seeks to develop a workspace that is aligned with core organizational values such as collaboration, transparency, diversity and inclusion.
- A strict deadline required a rapid capture of information.
- Secondary goals include improved efficiencies and modernization of the space to meet the needs of current and future employees.



SOLUTION

- Laser scanning provided accurate and detailed information, plus the ability to quickly create a 3D model. Manually pulling hand measurements would prove hugely inefficient in a space of this size.
- Upon laser scanning the North and South Tower, TruePoint produced a LOD 200 Revit model showing basic architectural features (walls, doors, windows, and ceilings) of the entire area.



BENEFITS

- TruePoint provided a LOD 200 Revit model that can be used along with the 3D JetStream viewer files as a means of showcasing the existing conditions to their client throughout the duration of their project.
- By involving laser scanning on the front end of the project the client will pay for the laser scanning services by reduced change orders, rework and associated delays by having all of the necessary information upfront.

