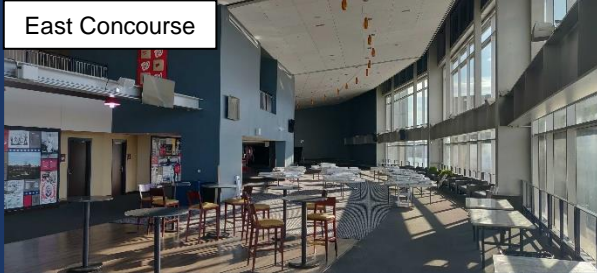
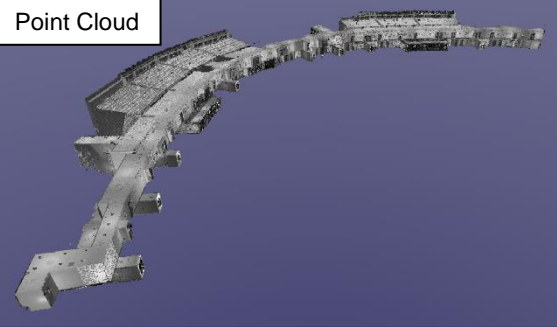


3D Laser Scanning in AEC Case Study

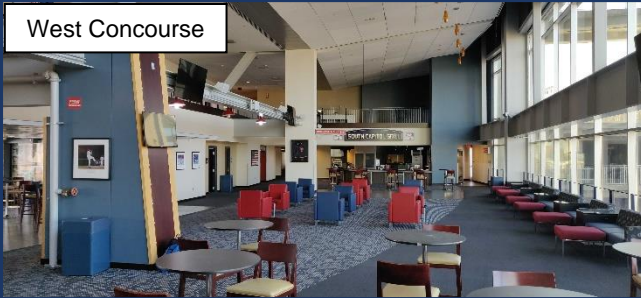
East Concourse



Point Cloud



West Concourse



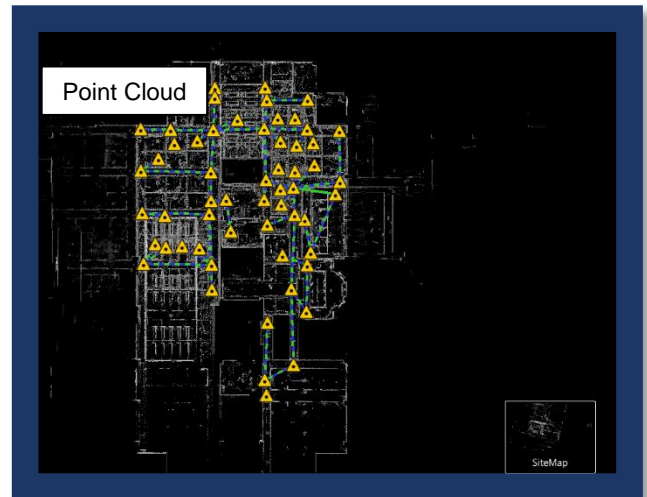
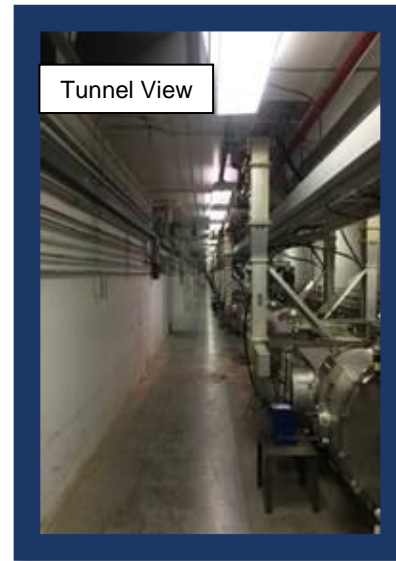
East Concourse Point Cloud



Area	Floors	# of Scans	Time On-site	Time Post Processing
15k SF	2	92	4 hours	8 hours

Customer	HITT Contracting
Customer Type	Designer/Contractor
Project Description	Nationals Park Capture interior of club level open areas and hallways
Problem Solved	Drawings did not show existing conditions
Deliverables	Recap RCP point cloud

3D Laser Scanning in AEC Case Study



Area	Floors	# of Scans	Time On-site	Time Post Processing
120k SF	1	422	24 hours	18 hours

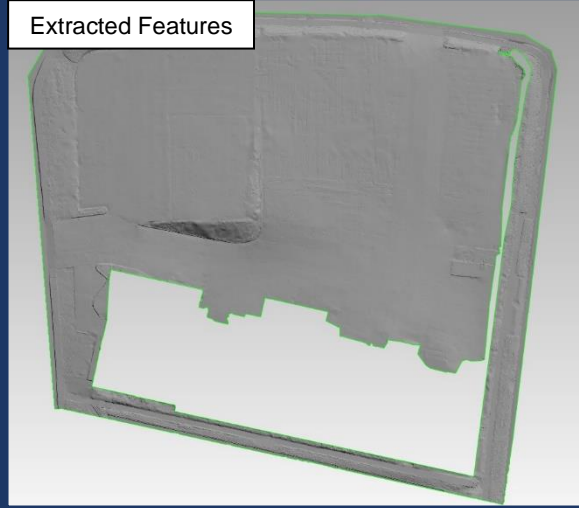
Customer	Mason & Hanger
Customer Type	MEP Designer
Project Description	Jefferson Lab Tunnel Capture existing conditions of 1-mile long accelerator tunnel
Problem Solved	Replace Fire and Suppression System
Deliverables	Point Cloud, LGS Export and Fly-Through

3D Laser Scanning in AEC Case Study

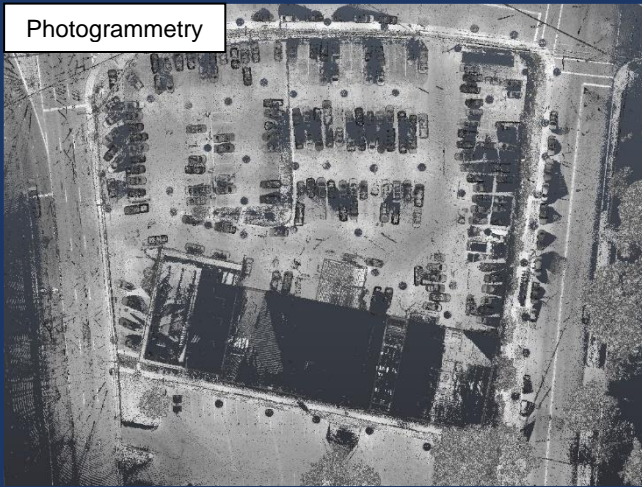
Aerial View



Extracted Features



Photogrammetry



Point Cloud



Area	Floors	# of Scans	Time On-site	Time Post Processing
50k SF	1	12	3 hours	4 hours

Customer	Adaptive Properties, Inc.
Customer Type	Property Owner/Developer
Project Description	Capture ground surfaces and trim out any captured data of existing buildings and parked cars on lot which is not needed.
Problem Solved	Volumetric Analysis
Deliverables	Mesh file suitable for import into SketchUp software



Testimonial

RPG's Construction Scanning team was very helpful just now. We did not fully understand the scope of the project we undertook and because of that, we were unprepared. We called RPG and they saved the day. Thanks to RPG the completed registration is up on the screen in our office. Thanks Tom & team!

Bonnie Ballard, VA Spaces

Area	Floors	# of Scans	Time On-site	Time Post Processing
4,000 SF	1	50	N/A	4 hours

Customer	VA Spaces
Customer Type	Architect
Project Description	Airline Tariff Publishing Company (ATPCO) Capture data of existing building. Needed as-builts of machine rooms.
Problem Solved	The client was having issues importing unregistered machine room scans into the rest of the scan data to achieve a comprehensive point cloud.
Deliverables	RCP Point Cloud