



AeroFrohne

UEI: GQLDC3VLXA53 | CAGE: 9XZJ0
NAICS: 541370, 541922, 541512, 541430

About Us

Founded in 2020, AeroFrohne and its associates provide architecture, engineering, AI inspections, architectural 3D renderings, architectural photography, 3D gaussian splats, photography, architectural animation, videography services, 360° LiDAR scans to BIM LOD 200 (OBJ, RVT, CAD), 2D/3D floor plans, 360° thermal mapping, event photography, aerial 2D orthomosaics, orthofacade mapping, OGI methane detection inspections, 3D modeling, site plan colorization, aerial 360° imagery with property lines, 3D floor plans, aerial interactive 360° panos, boundary surveys, title surveys, topographic surveys, photorealistic 3D renders, CGI, vehicle mounted 360° capture for google maps/google street view/google earth integration, bathymetric orthomosaic mapping, airplane ortho imagery, t-3DGS, and satellite ortho imagery services

AeroFrohne Portfolio

[Click Here](#)

Use Cases:

- Commercial Development
- Law Firm Field Data
- Energy (Solar, Wind, Oil & Gas)
- Government
- Real Estate
- Telecommunications
- Transportation Planning

Softwares/Script Languages

sketchup, revit, autodesk 3ds max, lumion, autoCAD, v-ray autonomous flight softwares, adobe photoshop, adobe lightroom, premiere pro, after effects, flight, ArchiCAD, agisoft metashape, CSS, JS, HTML, python, WebODM, Aloft AirControl, NTRIP, shell





Derrick Frohne

Founder + Software Developer + UAV Pilot + Architectural Photographer + Designer

Derrick Frohne founded AeroFrohne initially as a FAA Part 107 certified sUAS pilot, securing multiple FAA Certificates of Authorization (COAs), OSHA 30, and FEMA certifications to provide specialized drone, Ai development, and geospatial services. This expertise, combined with his talent for photography, software development, architecture, and design laid the foundation for his business, AeroFrohne. Derrick's commitment to excellence and innovation quickly distinguished him in the competitive fields of Ai with inspections, architecture, web development, engineering, oil+gas, construction, aerospace, and real estate. With more than 30 government cooperative agreements and government contracts, AeroFrohne delivers top notch visuals for clients with a team nationwide.





Solution

Flying higher towards a better future



Innovate

Utilizing drone technology for contact free support including coordination with U.S Military & FAA.



Customize

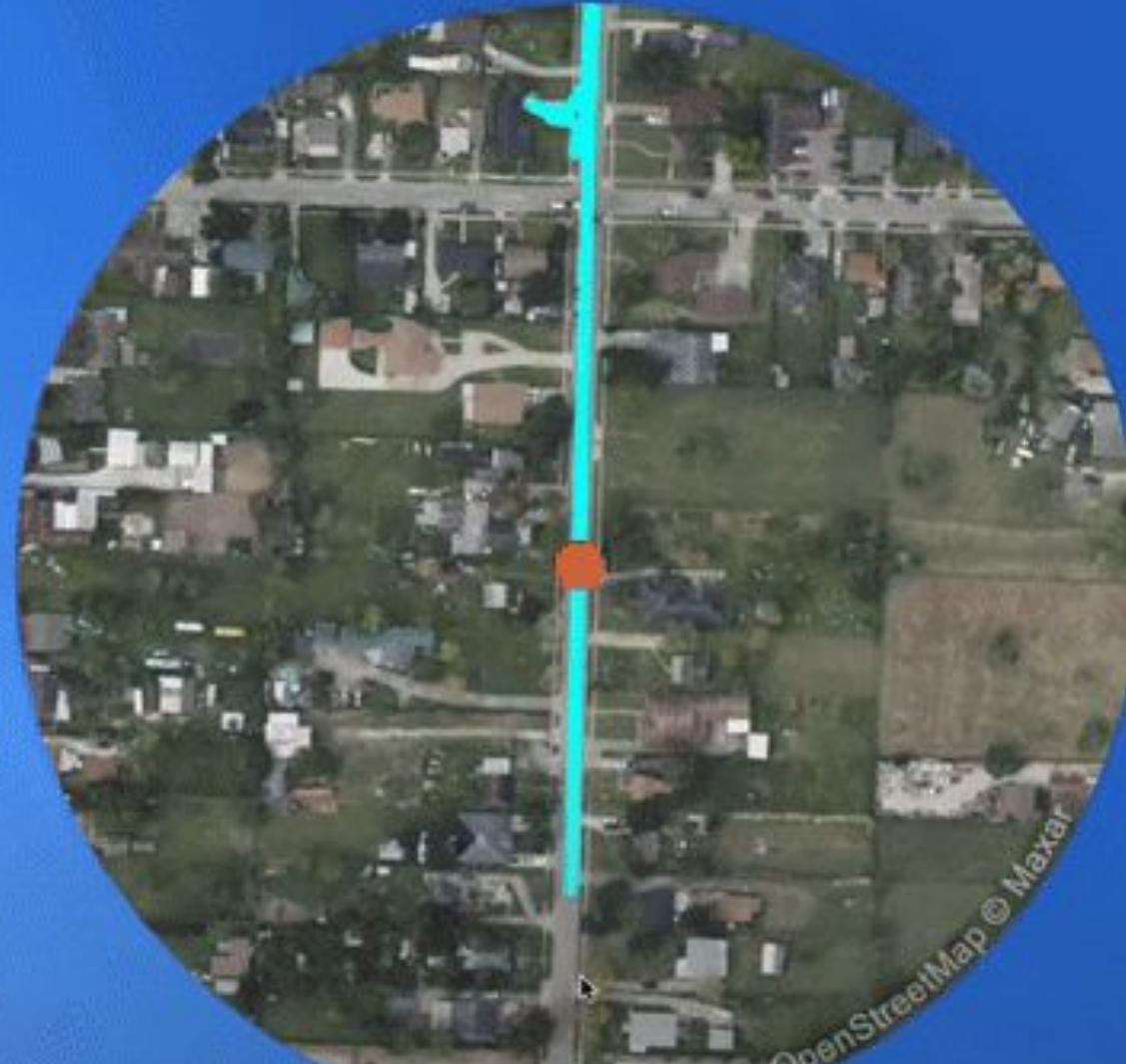
Automated flight patterns with RGB & thermal, 3D Gaussian Splating, 360° LiDAR, and 3D rendering



Optimize

Enhanced visualization beyond the human eye and with efficient and advanced Ai technology





Aerostrail 360





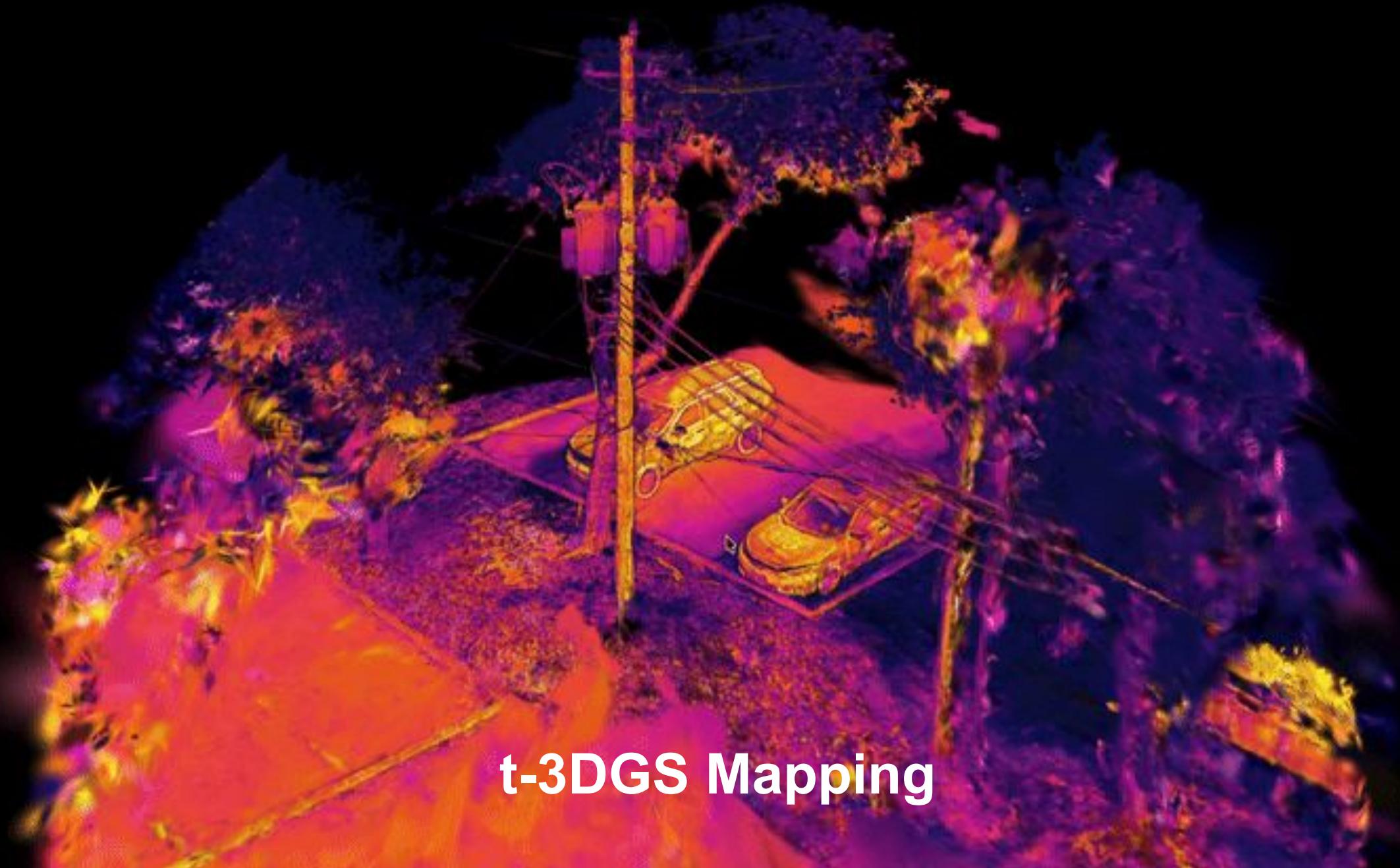
Strail 360





360° Interactive Map | 3D Gaussian Splat





t-3DGS Mapping





Ai Grid Inspect





Aerial 360° PanoLines





Google Maps/Google Street View Update/Integration



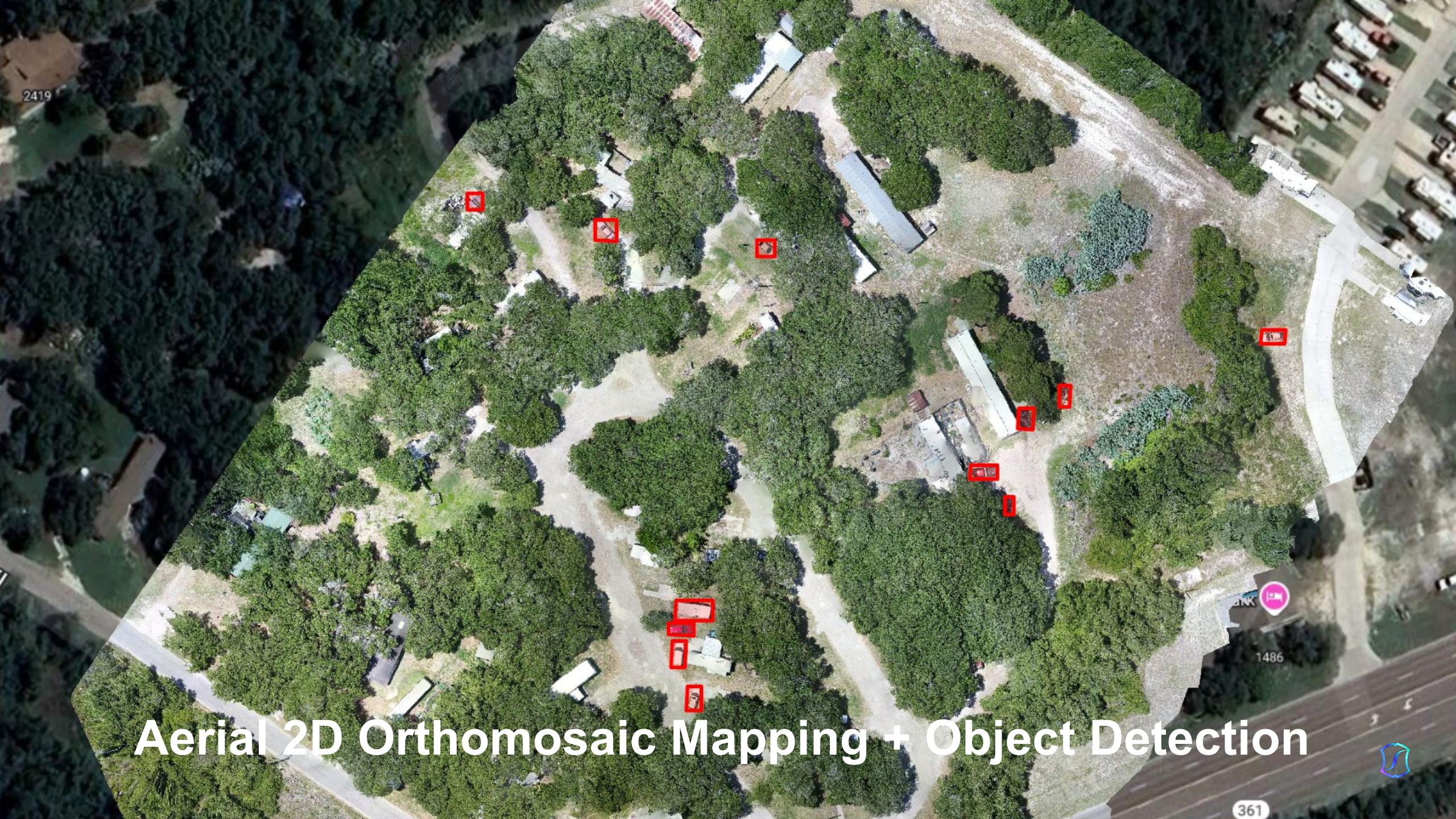
Google Earth 3D Render Integration





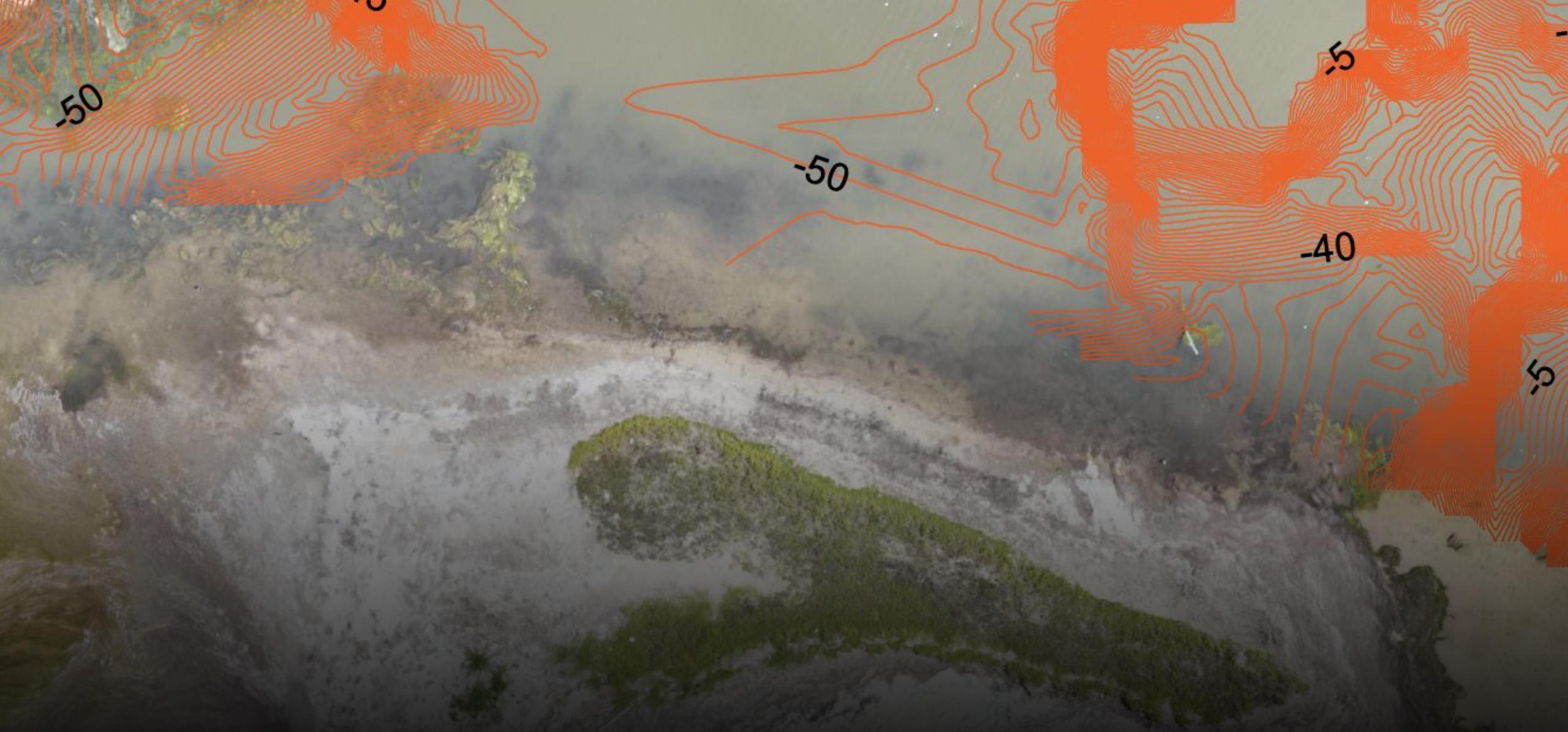
Architectural Photography + Ai Photo Editing





Aerial 2D Orthomosaic Mapping + Object Detection





2D Bathymetric Orthomosaic Mapping





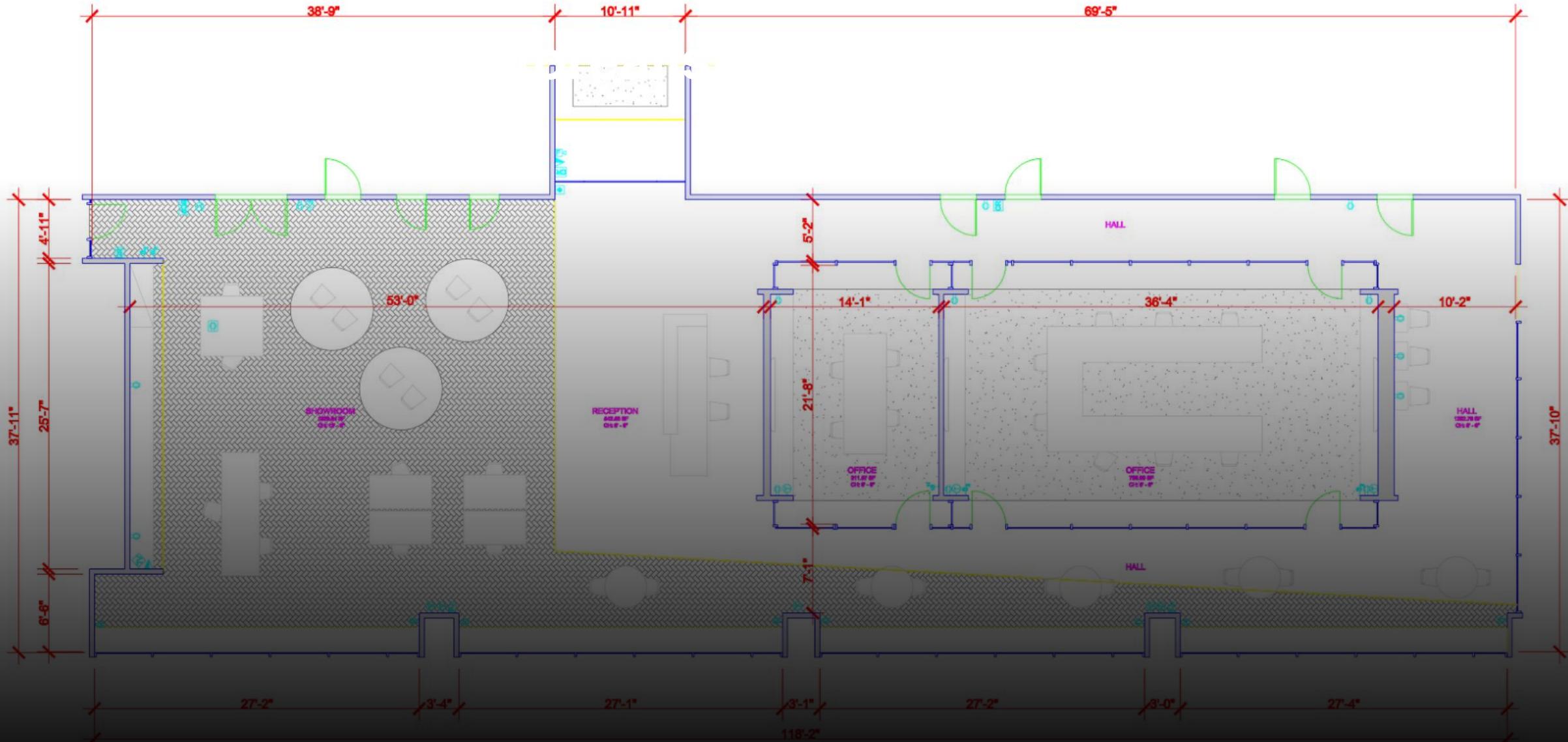
OneSource

OSBT

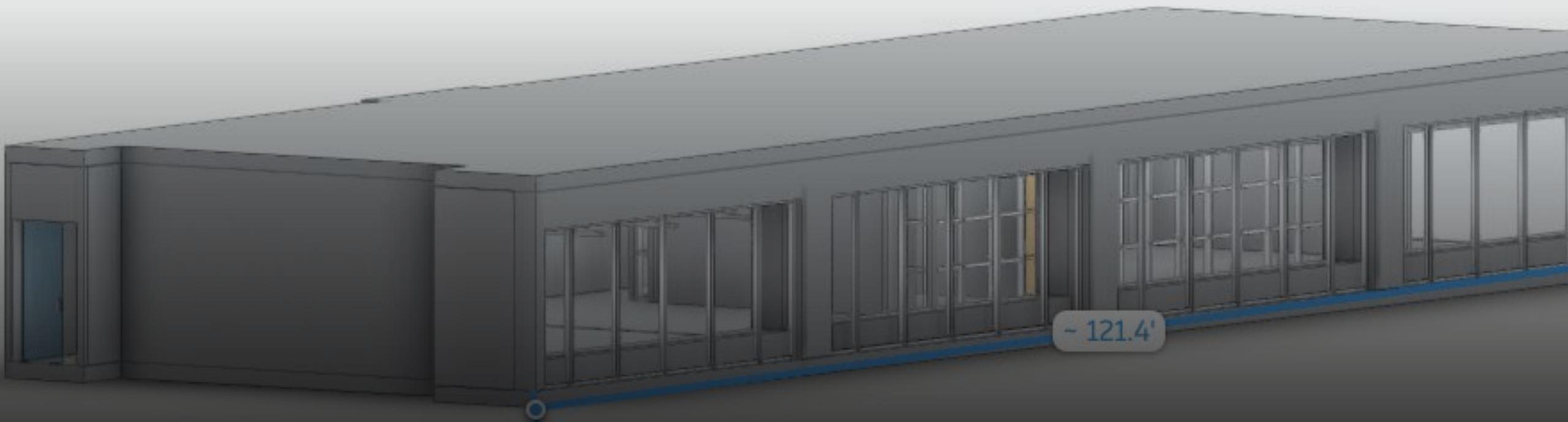
Ai Powered VR 3D Tours



360° LiDAR Scan to CAD



360° LiDAR Scan to BIM LOD 200



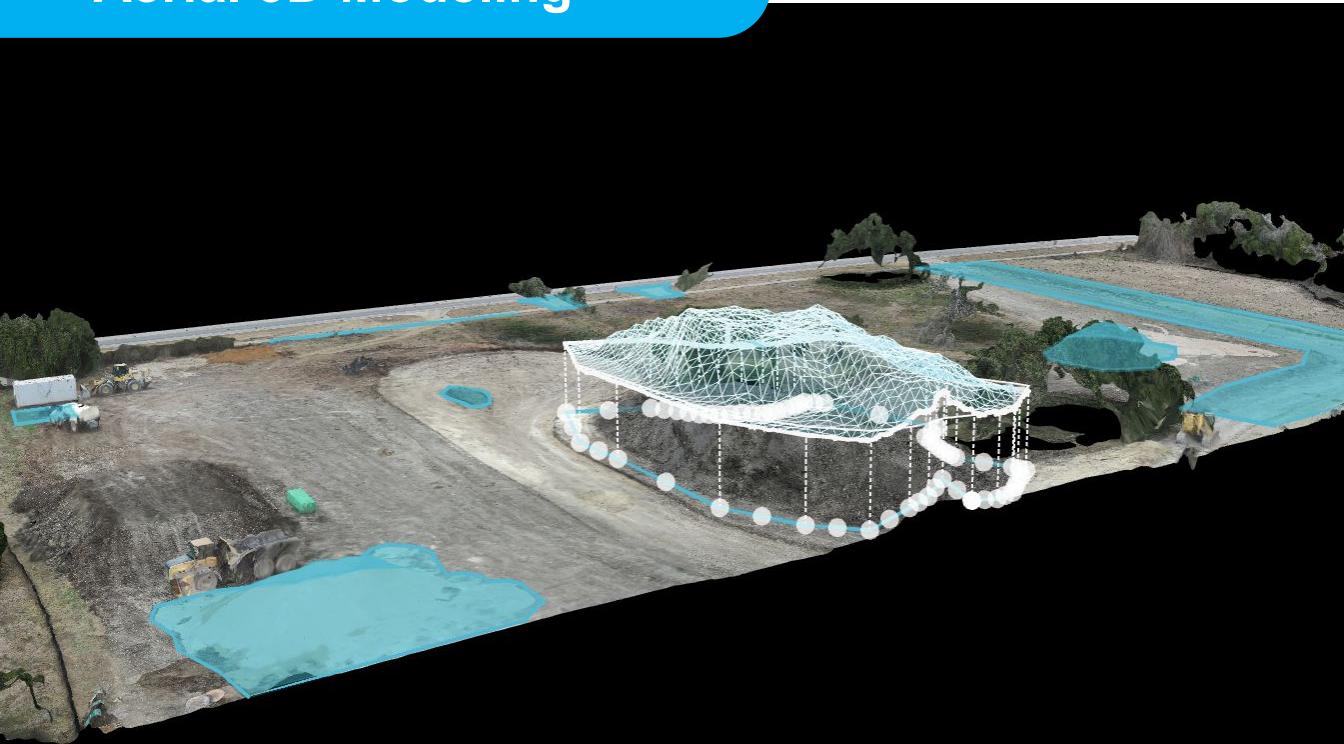


360° LiDAR+RGB Map With Measurements





Aerial 3D Modeling



Pre-Bid/Construction

Estimates & Bid Process

- Concept & design
- Site Planning & procurement
- Volume & area calculation estimating materials which helps in budgeting and resource planning
- Photogrammetric surveys can be used to monitor construction progress

Construction

Earthworks

- Cut/fill analysis
- Stockpile measurements

Track Site Progress

- Compare as-designed versus as-builts

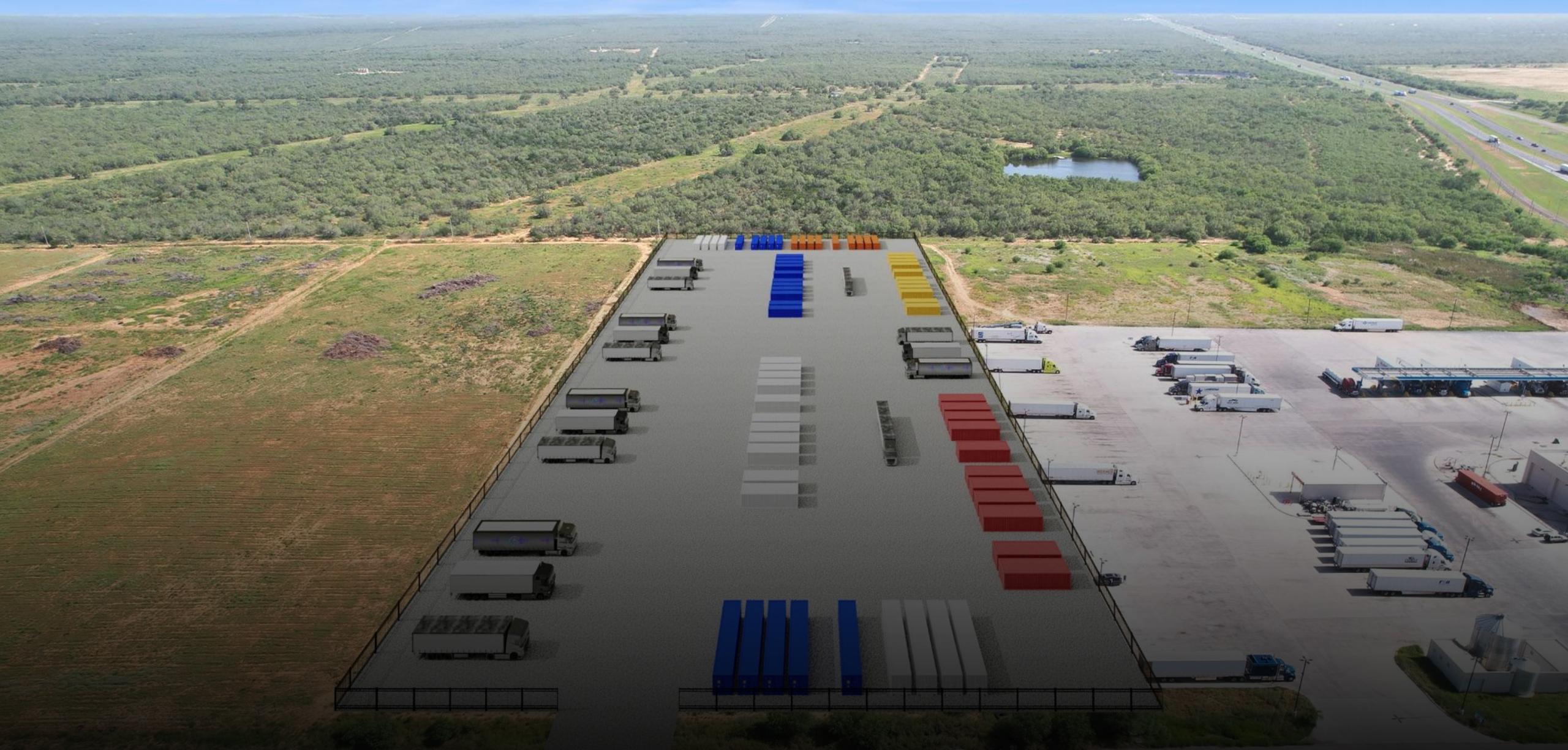
Site Planning

- Safety planning & slope
- Economic & logistics planning
- Transportation planning

Agriculture

- Calculate surface runoff
- Plan drainage and irrigation





Aerial Image + 3D Model/Render Integration



