



CAPABILITY STATEMENT

Data Centers Capability Statement

Hyperscale, colocation, and edge. Tier III/IV ready. Retrofit without downtime.

INDUSTRY OVERVIEW

Data centers are the densest, highest-stakes facilities most AEC teams will ever touch. Power, cooling, structured cabling, fire suppression, and life safety all compete for ceiling space. A single uncoordinated conduit run can stall a fit-out for weeks.

We've built our practice around this density. Our scanning protocols capture occupied data halls without disrupting operations. Our coordination workflows handle the trade volume that hyperscale projects demand. And our MEP detailing reflects how data center systems actually get installed — at the speed hyperscale schedules require.

CORE SERVICES

- 3D Laser Scanning & Reality Capture
- Scan-to-BIM Modeling (LOD 200 – 500)
- BIM Coordination & Clash Detection
- MEP Detailing & Prefab-Ready Models
- Digital Twins & As-Built Documentation

TYPICAL DELIVERABLES

- Existing-conditions scanning of operational halls and white space
- LOD 400 MEP coordination for power, cooling, and structured cabling
- Tier III/IV documentation standards
- Retrofit and capacity expansion modeling
- Pre-fabrication-ready piping and conduit detailing
- Digital twins for operations, capacity planning, and remote vendor access

SPECIALIZED CAPABILITIES

- After-hours and limited-access scanning
- Background-suppressed photography (no equipment serial numbers, no cabling labels visible in deliverables)
- NDA and security-cleared field crews
- Compliance with hyperscaler-specific BIM standards

REPRESENTATIVE METRIC

10x

Trade density vs typical office build

CERTIFICATIONS

- OSHA 10 / 30 certified field teams
- Autodesk Certified Professional — Revit
- Leica RTC360 & FARO Focus certified operators