

# Data Center Infrastructure

## Design, Engineering, Build-Out & Support

Vision provides data center infrastructure services which include detailed engineering to complete installation build. All of our projects are delivered in accordance with TIA-942 — “Telecommunications Infrastructure Standard for Data Centers.”

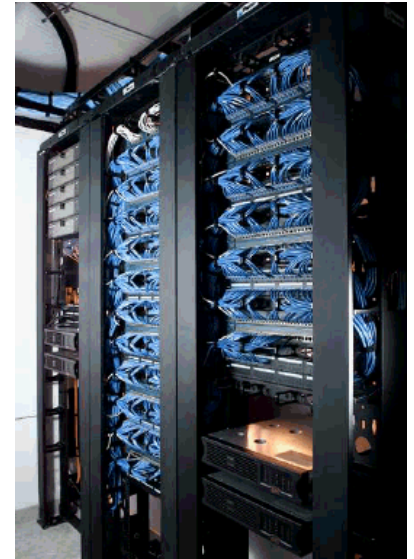
We provide BICSI-certified RCDDs, Technicians, and Installers to build your data center from the raised floor and up. This includes copper, fiber, pre-terminated plug & play solutions, cabinets, racking, trays, cold aisle containment, and cage installation. All of our projects are assigned a certified PMP to ensure the project adheres to client requirements, meets the defined schedule, and completes within the allocated budget.

### Complete Design/Engineering/Build

- ▶ Raised Floor Space Planning and Layout
- ▶ Overhead CAD Drawings
- ▶ Alphanumeric Grid System
- ▶ Space Planning and Maximization
- ▶ Rack & Cabinet Space Planning and Layout
- ▶ Rack Elevation CAD Drawings
- ▶ Rack Space Efficiency
- ▶ Port Density Maximization

### Data Center Structured Cabling

- ▶ Fiber Solution Design & Installation
  - ▶ Multimode OM3 50-Micron 10-Gigabit Fiber
  - ▶ Multimode OM4 50-Micron 40 and 100-Gigabit Fiber
  - ▶ Single-Mode Fiber
  - ▶ Field-Terminated and Pre-Termination Solutions
  - ▶ Fiber Polarity Consideration
- ▶ Copper Solution Design & Installation
  - ▶ Category 6, 6e, and 6A (10-Gigabit)
  - ▶ Type 734 and Type 735 DSX Coaxial
  - ▶ Field Terminated and Pre-Termination Solutions
- ▶ Rack & Cabinet Solution Design & Installation
  - ▶ Server Cabinet Design and Specification
  - ▶ Network Cabinet Design and Specification
  - ▶ Rack Specification; 2-Post, 4-Post, Server, Network
- ▶ Pathway Solution Design & Installation
  - ▶ Overhead Tray Systems
  - ▶ Raised Floor Tray Systems
  - ▶ Separate Fiber and Copper Pathways Systems
- ▶ Certified Personnel
  - ▶ BICSI-Certified RCDDs
  - ▶ BICSI-Certified Installers and Technicians
- ▶ Post-Installation Maintenance & Support



Vision Technologies provides professional Project/Program Management from inception to completion:

- ▶ PMPs
- ▶ Detailed Project Plans
- ▶ Weekly Written Status Reports
- ▶ Weekly Status Meetings
- ▶ Material Procurement
- ▶ Scheduling, Inventory and Coordination
- ▶ Facility and Vendor Coordination

### Professional Documentation Services

- ▶ Test Results
  - ▶ Copper/Fiber
  - ▶ OTDR/Power Meter
- ▶ Port Connectivity Run Sheets
  - ▶ Copper
  - ▶ Fiber
- ▶ CAD Drawings
  - ▶ Overhead Floor Layout
  - ▶ Cable Tray Pathway Systems
- ▶ Logical Cable Routing
  - ▶ Backbone
  - ▶ Horizontal
- ▶ Rack Elevations
  - ▶ Detailed Port, Slot Assignments
  - ▶ Rack Unit Level Drawings

**GSA** Contract Holder

GSA Connections II Contract # GS00Q12NSD0011  
GSA Schedule 70 Contract # GS35F-0581R  
GSA Schedule 58i Contract # GS03F-0089Y  
GSA VETS GWAC Contract # GS06F-0535Z

**A Service-Disabled Veteran Owned Small Business**

**(866) 746-1122**

**VISION TECHNOLOGIES**  
Making Vision Reality

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