

Vision and DCOI

Design, Engineering, Build-Out & Support

The current Data Center Optimization Initiative (DCOI) memorandum M-19-19 provides requirements for the consolidation and optimization of all Federal Government data centers in accordance with the Federal IT Acquisition Reform Act (FITARA). It is the latest update to an initiative that began over a decade ago and now is currently in concert with Cloud Smart and Application Rationalization executive orders.

The intent of DCOI is to align the Federal Government's data center inventory and strategy with industry standard best practices and efficiencies. Benefits are data center consolidation, gained efficiencies in remaining and new data centers, adoption of cloud strategies, and metric reporting. Vision Technologies provides data center baselining services through discovery, assessment, and evaluation. Vision also excels at the post-baseline execution, including migration to commercial solutions, decommissioning and consolidation of data centers, physical moves of hardware, and data center infrastructure management (DCIM) implementation and optimization for hyperscale and colocation (multi-tenant) providers.

- ▶ Integrated Technology Delivery
- ▶ Professional Project Management & In-Process Quality Control (IPQC)
- ▶ Floor (White Space) Raised or Slab, Planning/Design/Coordination/Implementation
- ▶ Overhead (Black Space) Planning/Design/Coordination/Implementation
- ▶ Rack & Cabinet Space Planning/Design/Coordination/Implementation
- ▶ Cooling System Design/Implementation/Optimization Through CFD Modeling & Analytics
- ▶ Electrical Distribution & Capacity Planning/Design/Optimization/Monitoring Implementation
- ▶ Cloud Migration: Planning/Integration/Physical Move
- ▶ ISP, OSP Installation & Mass Fusion Fiber Splicing (high strand count, 3456, 6912)
- ▶ Fiber & Copper Structured Cable Solution Design/Implementation/Configuration Management/Operational Support
- ▶ Data Center Infrastructure Management (DCIM) Software/Planning/Implementation/Operational Sustainment

SPECIALIZING IN

-  **Integrated Technology Delivery**
-  **Audio-Visual Systems**
-  **Internet of Things (IoT)**
-  **Network Infrastructure**
-  **Security Systems**
-  **Professional Services**
-  **Wireless**



Deploying Technology Solutions to all 50 States

GSA Contract Holder

GSA Schedule 70 Contract # GS-35F-0581R
VA DCJS No. 11-5523



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AND SUPPORT SERVICES:**



visiontechnologies.com



866.746.1122

Case Study:

Federal Aviation Administration (FAA)

CHALLENGE

Data center relocation services for a federal government agency.

SOLUTION

The total move consisted of complete port mapping of 86 populated network cabinets and connected devices totaling to over 3000 connections. The 86 racks were consolidated into 59 racks during the move. The move was broken up into five (5) phases to accommodate the operational needs of the client. These phases were preceded by a preparatory stage (Phase 0). A description of each phase is provided below:

Phase 0 – Physical Tracing and Documentation of all Connections:

1. Port mapping of all connections currently active and inactive at all 86 racks.
2. All racks would be disassembled and condensed, then reassembled in the new building by and separate move team.
3. Existing patch panels and passive connections would be removed. Direct connections would be used in the new building

Phase 1 – STIF Core relocation of 12 populated cabinets and installation of new cabling to reestablish connections documented in Phase 0. All connections need to be restored with in a 48-hour time frame.

Phase 2 – STIF Remote relocation of 11 populated cabinets and installation of new cabling to reestablish connections documented in Phase 0. All connections need to be restored with in a 48-hour time frame.

Phase 3 – SWIT relocation of 14 populated cabinets and installation of new cabling to reestablish connections documented in Phase 0. All connections need to be restored with in a 48-hour time frame.

Phase 4 – SDF relocation of 10 populated cabinets and installation of new cabling to reestablish connections documented in Phase 0. All connections need to be restored with in a 48-hour time frame.

Phase 5 – Other relocation of 12 populated cabinets and installation of new cabling to reestablish connections documented in Phase 0. All connections need to be restored with in a 48-hour time frame.

Using our Integrated Technologies Delivery (ITD®) methodology, Vision delivered all phases of this project, seamlessly, on or below budget.

The Data Center Experience

Data center solutions built for the customer experience.

Integrated Technology Delivery

Enhance your project's ROI while delivering it faster!

Managed Services Center

Choose from our flexible suite of 24/7 support, maintenance & monitoring services.

Certified Engineers

INDUSTRY CERTIFICATIONS



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