



DATA CENTER ASSESSMENT



Enterprise Data Center Assessment,
Transition and Migration Services

A Vision Technologies Whitepaper providing an overview of the Data Center Relocation support program to cover all facets of the enterprise data center relocation.

DATA CENTER SERVICES

ENTERPRISE DATA CENTER ASSESSMENT, TRANSITION AND MIGRATION SERVICES

UNITED STATE SECRET SERVICE

The United States Secret Service subcontracted with Vision Technologies, through a prime contract with NTVI, to provide the United States Secret Service (USSS) with a comprehensive Data Center Relocation support program to cover all facets of their impending enterprise data center relocation. To provide the USSS with a thorough solution, Vision Technologies' Data Center and Mission Critical Facility Management group provided innovative consulting and full-service solutions for the USSS Information Technology Data Centers. These solutions include transition planning, IT move services, design, and consulting services, blended with Information Technology Solutions for data, voice, video, local area and wide area networking and information technology solutions. By combining our Information Technology, Professional Services and Mission Critical Facility Management experience, Vision Technology delivered a reasonable and cost effective business solution, focused on mission critical infrastructure, and high-end information technology applications, which require 100% uptime.

Our consulting services focused on the end-to-end enterprise transition requirements to ensure an operational and functional data centers at the beginning and end of the migration period. Our transition solution prevents the risk of a failed migration, reduces the risk of outages, system and server failures at the end of the migration, and accounts for all key elements which comprise a successful migration.

Relocation Preparation

Our relocation, consolidation and virtualization services focused on the relocation preparation activity which provides the framework required to ensure the new data center space is operationally ready, identifies all assets that must be installed prior to the data center relocation, establishes a prioritized list of individual assets to be moved, acceptance tested, and identifies the final tasks involved to clear the concourse area.

The Relocation Preparation activity established the requirements, supporting detail, project schedule and quality assurance parameters necessary to ensure a successful data center migration. It detailed a proposed method for managing the project efficiently and effectively. It also identified those responsible for communication activities and addressed resource duties, roles, and responsibilities as it relates to the data center migration and migration schedule. Proper relocation preparation was paramount in achieving a successful and uneventful migration of the USSS technology systems, network and infrastructure into a new enterprise-wide data center architecture.



Approach

Vision Technologies' Data Center and Mission Critical Facility Management group provides innovative consulting and full-service solutions for Facilities and Information Technology Data Centers. These solutions include construction design and consulting services blended with Information Technology Solutions for data, voice, video, local area and wide area networking and information technology solutions. The Data Center and Facility Management team specializes in data centers and other mission critical facilities. By combining our Information Technology, Professional Services and Mission Critical Facility Management experience, Vision Technology differentiates itself from other IT consulting or Construction Management firms. It gives us the ability to deliver reasonable and cost effective business solutions, focused on mission critical infrastructure, and high-end information technology applications, which require 100% uptime.

Our consulting services focus on the end-to-end requirements to ensure an operational and functional data center which provides the redundancy, electrical and mechanical capacities, and physical layout necessary to ensure a high service level to the internal and external customers of the client's IT department. Our design solutions reduce the risk of outages, system and server failures, failed or missing information, and equipment failures due to inadequate power, HVAC, or needed redundancy while maximizing available floor space, rack "hot and cold" isles and infrastructure management.

Vision Technologies provides consulting services in three key areas:

- ▶ Site Analysis, Infrastructure and Building Audits
- ▶ Design Consulting
- ▶ Cable Infrastructure Services

Vision's approach encompassed a comprehensive, end-to-end accounting for all activities. Pre and post equipment inventory lists were prepared, operational-state diagnostic continuity testing was performed, and data center inspections certifying the operational preparedness for post occupancy were conducted for electrical and mechanical systems, the data center floor layout for hot and cold isles, the grounding system must be verified, connectivity and structured cabling specifications for the copper and fiber plant for all network, mainframe, server, and peripheral components were documented for operational assurance and continuance, and a well laid out power distribution plan was created for all power requirements. Furthermore, all relocation activities must include checklists. Checklists were provided for the preparation, relocation, testing, and resuming of operations in the new enterprise data center space. As part of the relocation preparation, a risk management plan which identifies all risks and their mitigation strategies was created. This assisted USSS management in identifying a "point of no return" prior to the actual move that identifies the point in transition where data center restoration to the prior state is no longer possible after the point of no return. Each of these activities were reflected in the master schedule and any associated check lists. Their associated documents specifically addressed and ensured that the activity or function was operational within the new space.

