



Cyber Innovation Labs (CIL) was selected by a **U.S. based International Motor Manufacturing Company** to leverage its intellectual property and project management expertise for a large scale data center migration/relocation project.

CHALLENGES

- Tight timeline contingent upon data center demolition
- Equipment integrity a major concern
- Limited budget and client resources



BACKGROUND

The client's existing data center was located in a building that was more than 100 years old. The building was not well suited for a mission critical data center, although it had functioned as one for decades. As part of a building renovation project, the space allocated to the data center was scheduled to be demolished and converted into space to accommodate personnel growth. The client had a secondary data center located about 20 miles away from the primary, but this facility had limited growth potential and housed a majority of the company's production systems.

With manufacturing and retail sales increasing in the United States and booming in both Asia Pacific and Latin American regions, the Fortune 500 company's data center was undergoing a tremendous strain. Its current facility was severely restricting the company's ability to roll out new systems and services to its growing customer base.

THE CHALLENGE

The Fortune 500 Client required migration services consisting of relocating nearly 600 servers, 1.5 petabytes of data and related technology equipment from the primary data center to the secondary facility. CIL was tasked with developing and executing a comprehensive data center migration/relocation

strategy without disrupting production availability. CIL needed to work within the client's timeline and budget while meeting minimal downtime to the ongoing business operations.

THE SOLUTION

FLEXServices - Enterprise Data Center Move Migration

Cyber Innovation Labs worked in tandem with the client's Infrastructure Services Group to craft a migration plan inclusive of asset inventory reconciliation, logical port mapping and application interdependency mapping at two source data centers. Once application priorities and dependencies were determined, a hardware and physical dependency check for all in-scope devices was performed. Additionally, the project included management of the physical & logical migration teams, insurance and logistics orchestration of applicable server and storage systems, system and storage de-rack/transport/re-racking/cable/validation and communication and reporting.

Many of the systems scheduled for migration





were at or near end of life. CIL helped the Fortune 500 Client classify these systems into two primary groups: One group that could be moved as-is with no risk of support or partial unavailability; and a second group that needed to be refreshed before/in concert with the move. CIL's dedicated resources worked with the client and a third party supplier to identify swing (temporary) equipment to facilitate the migration of servers and storage to a new location without having to wait on a more formal capital acquisition of new hardware.

RESULTS

- End-to-end project management (FLEXServices)
- Flexibility and time efficiencies
- Minimized risk of equipment damage
- Increased availability of critical applications and services

VALUE DERIVED

The complexities around the size and scope of the project were met successfully by CIL's certified personnel who used the highly disciplined Services Continuum methodology and vast knowledge base to execute a successful relocation. CIL satisfied the client's requirement to vacate the existing data center prior to demolition deadline. In doing so, the team increased availability of critical applications and services by moving data center assets to a modernized facility within an acceptable radius for data replication. CIL consolidated and re-platformed critical applications and services onto modernized hardware and ultimately executed the migration with minimal involvement of internal resources. The data center assets were eventually relocated to a third party data center in the same metropolitan area.