



Global leader in real-time location solutions, barcode, receipt, kiosk and RFID printers and supplies enlisted the help of Cyber Innovation Labs to construct a comprehensive data center build and migration solution to satisfy business requirements.

CHALLENGES

- Legacy environment incapable of hosting a modern and dense IT infrastructure
- Data storage requirements and application needs were growing at a rapid rate
- Recognized time constraints, availability and age of systems and equipment



THE CHALLENGE

The goal of the data center build component of the project was to reduce costs incurred for space, power and cooling and to enhance disaster recovery capabilities. The main challenge behind the migration phase rested upon moving the clients' existing systems into this new data center, under considerable time constraints and with little disruption to business operations.

THE SOLUTION

FLEXCenter - Enterprise Data Center Build

Cyber Innovation Labs was appointed to design and build a scalable facility with high levels of availability and disaster recovery. In the initial phase of the project, the CIL Professional Services team worked hand-in-hand with the client to develop a detailed plan outlining current data center storage requirements and application needs.

CIL designed a FLEXCenter solution comprised of 27 cabinets/racks installed "Server Ready" with 105kW of 2N UPS Connected Load, and developed to be easily scalable up to 44 racks. In addition, CIL furnished the Manufacturing Client with a fully dedicated, steel wall demised and fire-rated micro data center, coupled with an attached secure technical office and storage room. The client was also supplied with a reserve of additional 100% dedicated 2N UPS connected load for

future growth. All additional cabinet/rack specific 2N UPS-supported PDUs will be made available as needed within 96 hours of notice.

FLEXServices - Enterprise Data Center Migration

CIL's FLEXServices required a deep and thorough understanding of the major subsystems of the client's data center as well as the nature and criticality of applications that cater to the different business services. CIL's objective was to ensure that the availability and recoverability of the applications were not impacted in the transition. Also, CIL recognized that all interdependent applications needed to be able to communicate with one another while mission critical applications were being relocated while others were retained.

Working in lock-step the client, the CIL FLEXServices team was tasked to deliver a comprehensive Facility Design, Build, Commission and Sign-Off Plan that encompassed all aspects of delivering a 100% turn-key, server-ready 2N, Tier 3 enhanced data center facility. The detailed move migration plan included:





- Development of data center layout, turn-key build and commissioning specifications
- Coordination of physical equipment decommissioning and delivery
- On-site technical “Managed Hands” support to complete installation
- Comprehensive telecom installation and network test and commissioning
- Trouble shooting support to client’s IT staff to complete installation

RESULTS

- Reduced maintenance and power utilization costs
- Provided end-to-end, integrated migration plan, with a single point of contact
- Introduced industry best practices and standards to reduce complexity and increase performance

VALUE DERIVED

CIL employed a time-tested framework and disciplined engineering processes to design, build and migrate the Manufacturing Client’s data center. The data center build and migration project was completed on schedule, under budget, and with very little downtime or impact to business operations. Standardization and documentation of the infrastructure and network architecture was greatly improved, in addition to the security, redundancy, and scalability of the systems. The migration strategy was cost effective and provided the appropriate level of service management to meet client demands and mitigate any risk of financial loss due to unplanned outages.