



PROJECT PORTFOLIO

Infrastructure Design



Introduction

Nephin and its team have worked in a wide variety of industries, both nationally and internationally. This work ranges from designing large, cutting-edge facilities for large technology companies to developing a detailed DR Technology strategy for one of America's largest financial services companies; from strategizing and managing the complete technology overhaul and global expansion of consulting and advisory firms, to developing energy solutions for a European government agency.

Below you'll find out how we helped clients with our Design, Consulting & Management services.

Note: Due to contract clauses, some clients prefer not to have their company name published by third parties. Project details may also be limited to protect client interests in relation to site locations, technology choices, architecture specifics, etc.



Corporate Executive Board – Data Center & Headquarters Relocation

Industry/Position: Services, Consulting; \$1B public company

Services leveraged: IT & Energy Design, Consulting, Management

Company profile: The Corporate Executive Board (CEB) enables superior business outcomes by delivering authoritative data and tools, best-practice research, and peer insight to the leaders of the world's great enterprises. It has one of the world's largest private repositories of confidential corporate information, gathered through member research and executive round-tables. Security and continual access to that data are thus essential.

Challenge: CEB, headquartered in Washington, DC, has operations spread across the US, Europe, Asia and Australia. Since the migration windows were limited, close coordination was required for testing and continued access.

Solution: Nephin's Chief Consultant and Project Manager was responsible for:

- Technology architecture development
- Technology and migration strategy development
- Logistics planning for rationalization and consolidation of three server rooms
- Logistics planning for consolidation of five downtown offices
- Technology scoping, vendor due diligence and RFP process for all core data-center technologies
- Leading tactical efforts to resolve operational issues
- Architecture and engineering of two data centers to support 100 racks of equipment in high-density layout
- Tenant IT infrastructure design and core infrastructure redesign for 650,000 sq ft headquarters building and a converged IP architecture for building systems and energy management
- Global deployment of new WAN architecture and technologies
- Data center and headquarters infrastructure buildout and vendor management
- Commissioning of infrastructure prior to technology and staff migration
- Migration management for data center technologies to a high-availability data-center architecture
- Migration management of 2,000 personnel to new headquarters building

Nephin continues to enjoy a strong relationship with CEB and actively consults on, designs, and manages new office buildouts, DR planning and more.



Data Center, Lab & Office Design

Industry/Position: Technology, Manufacturing; multibillion dollar public company

Services leveraged: IT Design, Consulting, Management

Company profile: This technology client, a leader in its product field, leverages leading-edge design and infrastructure to support its operations and R&D.

Challenge: As part of a major operations relocation, the client used an existing 500,000 sq ft building and constructed a Production Data Center, Labs, Support Space and Offices. It needed assistance in a number of areas.

Solution: Our Data Center Specialist provided the following services:

- 20,000 sq ft Tier III high-density, high-availability data-center IT infrastructure design
- Data-center capacity for 550+ IT cabinets
- IT infrastructure design for 250,000 sq ft high-density Tier I modular lab space
- Lab capacity of almost 10,000 racks
- IT infrastructure design for 10,000 sq ft staging and support areas
- IT infrastructure design for 30,000 sq ft office space
- Over 300,000 sq ft of raised floor area
- Needs analysis and program development with IT and Lab groups
- Program review and coordination with technology vendors to ensure cutting-edge technology support
- Program review and approval process with client, architects and engineers
- Close coordination of design with MEP engineering team for optimal space layout, efficiency and expansion
- Close coordination of design with client and architecture team to showcase products during customer tours
- Design, specification and bid package preparation and release; management of contract review, negotiation and execution
- Project management of construction process
- Program management of contractors, vendors and client team to support migration phase



Infrastructure Design, Migration Management

Industry/Position: Education; State University

Services leveraged: Design, Consulting, Management

Company profile: This third-level state institution is home to almost 70,000 students across six campuses.

Challenge: Replace an aging data center with a new, state-of-the-art facility.

Solution: This project leveraged Nephin's Data Center Specialist for the design component and a project manager for the migration. With many groups having varying degrees of responsibility for the design and operation of the facility, we worked with the broad and diverse team on design, commissioning, migration and testing phases. The data center was built according to a co-location model, so each school can be a tenant and avail of core services and infrastructure. Nephin provided assistance and expertise in the following areas:

- Design and Engineering for a 15,000 sq ft Tier III High-Density Data Center
- Engineering of IT Infrastructure to support up to 160 racks of equipment
- Leveraged latest design practices for energy efficiency and operating models
- Environment supports for 70,000 students and almost 20,000 employees
- Migration/rationalization of over 2,000 Wintel/Unix systems and 8 storage systems
- Migration strategy review, development and documentation
- Migration plan development, coordination with IT team and business units
- Construction coordination
- Vendor coordination and team management
- Physical to virtual (P2V) migration oversight
- Migration management and user acceptance testing (UAT)
- Decommissioning of systems and environment



CRICO - DR/BC Planning, Infrastructure Design, Assessment

Industry/Position: Insurance Services; private company

Services leveraged: IT Design, Consulting, Management

Company profile: CRICO serves the insurance needs of a large and prestigious medical community. Serving nearly 12,000 physicians, 25 hospitals and 240 healthcare organizations takes an outstanding team and a reliable technology infrastructure.

Challenge: As part of a DR/BC initiative, CRICO required assistance in a number of areas.

Solution: A Nephin consultant provided assistance and expertise in the following areas:

- Infrastructure assessment
- Infrastructure strategy and DR architecture
- Business Impact Analysis (BIA)
- Documentation of RPO and RTO requirements
- Work with business and IT leaders to develop detailed DR and BC plans
- Deployment of online tool to manage documentation and plans
- Infrastructure deployment management
- DRP and BCP testing, plan refinement



Summary

Nephin will work with you to swiftly provide creative solutions and identify the best resources to solve your challenges.

If you'd like to learn more about the project examples and how we can help you, please [contact us](#).