



## Technology Solutions elevated the Health Care Experience!

### CK BIRLA CASE STUDY

**Company:** CK Birla  
**Industry:** Healthcare  
**Location:** Barakhamba Road, Delhi  
**Company Size:** approx. 500 employees  
**Contract Duration:** 3 years

### The Challenge:

Any infrastructure setup is one of the time taking and complex task which needs to be complete with utmost perfection, accuracy, robustness, and durability being its major characteristics. NBT got an opportunity for one of the major projects of CK BIRLA. This was a Greenfield project for NBT as CK Birla Health Care had established a New Hospital in Gurgaon location. They required a complete IT SETUP from the Scratch.

Maintenance, Management and Training Services were required by the client as they were facing many skill gaps along with the absence of apt maintenance services. Security and Surveillance were another important domains which were also required to be managed. Keeping within financial constraints and constructing the whole setup within a deadline was indeed a big challenge to overcome.

### Solution:

After observing all the needs and demands of the clients, the technical experts of NBT suggested installing of Data Centers which are Standards-Based, HighPerformance, Computer-Processing with a suitable environment that would Power and Integrate a wide range of Hardware and Services, including Applications, Servers, Storage, and Security. Data Center is the prerequisite for any IT infrastructure, was focused upon primarily.

For the complete establishment of IT setup, High-Class Cisco devices were proposed in every networking structure.

Complete network infrastructure included Active and Structured Cabling. In the Active Part, NBT designed Wireless, Security, Routing, Switching, and Surveillance, IP telephony, Servers & Storage.

Focusing more on the Data Center Infrastructure domain, NBT categorized the Data Center Infrastructure into the following three sectors:

- **Connecting the Data Center to Intranet and to the Internet** to provide employees' access to Virtualized Servers. This layer provided network interconnectivity to all Cisco devices (e.g. Switches, routers, Ip telephony, CCTV cameras etc.)

- Behind the Virtualized server layer is the **Database and Storage layer**, where more than 1.2TBs of data are stored. Most data is stored on largely shared storage frames connected to application servers over a Storage Area Network (SAN).
- **A Virtualized Server Layer** supports client-based applications for employees, This layer also provides, yet more, firewall capabilities, and comes with most reliable antiviruses. Services running on the server are Cisco ISE integration, HID biometrics, Patch management, DHCP, antivirus, Hikvision.

#### For More Information

To learn more about the NBT solutions featured in this case study, visit the following:

##### NBT Structured Cabling:

<http://www.networkbulls.org/services/structured-cabling>

##### NBT Enterprise Networking and Network Security:

<http://www.networkbulls.org/services/enterprise-networking-and-network-security>

##### NBT Data Center Solutions:

<http://www.networkbulls.org/services/data-center-solutions>

##### NBT Collaboration and Video Solutions:

<http://www.networkbulls.org/services/collaboration-and-video-solutions>

##### NBT Information Security:

<http://www.networkbulls.org/services/information-security>

##### NBT Cloud and Hosting:

<http://www.networkbulls.org/services/cloud-and-hosting-services>

##### NBT Big Data and Data Analytics:

<http://www.networkbulls.org/services/big-data-and-data-analytics>

##### Other Related Case Studies:

<http://www.networkbulls.org/>

#### Outcomes and Results achieved by NBT for Clients :

- Apart from exceptional Customer Support and Data Center Infrastructure, the technical team of NBT assured its operation, durability and backup arrangements.
- NBT provided its contribution in every aspect of Networking, Surveillance, Computing environment with hard work and dedicated performance
- NBT provided HID biometric training to the client for better understanding their environment.
- 24\*7\*365 Support was given by NBT to their client to keep their network infrastructure up and running.
- Automated network operations with secure access including fast and effective emergency responses.

#### SERVICES & SOLUTIONS

- Structured Cabling:
- Enterprise Networking and Network Security:
- Data Center Solutions Collaboration:
- Information Security
- Cloud and Hosting
- Big Data and Data Analytics

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