iNetLink
TECHNOLOGIES

INT NETLINK's Past Projects

An ICT project for Ministry of Afghanistan

Afghanistan

REFERENCE FOR THE FOLLOWING PROJECT CAN BE OBTAINED ON SPECIAL REQUEST

One of the similar project we had completed in Kabul is for one of the Largest Afghan government ministries with nearly 21,7000 employees in 34 provinces of the country and another 34 central directorates locating at different geographic locations in Kabul City.

The ministry was planning to equip its administrative staff with technology and transform its manual administrative processes into computerized paperless system in the long run. Furthermore it was also planning to ensure equal access to quality education for all citizens and to prepare its citizens to play an active role in reconstructing the country as well as integrating Afghanistan to the knowledge-based global community.

With this ICT project the following ICT setup was developed:

- Establishment of efficient and secure Local Area Network (LAN) for the main office that will be expandable and can be integrated with any system.
- Establishment of an efficient IP in digital base PBX system for the main and sub offices.
- Establishment of data storage for EMIS, BPET and other database servers at the main and sub offices in Kabul city. The data will be accessed securely and with high data speed both locally and globally.
- Establishment of data sharing services using NAS and SAN technologies.
- Establishment of Wide Area Network (WAN) through either Radio or Fiber that will provide high level connectivity, security, availability and data integrity from a central point to end user
- To increase ICT infrastructure expansion at central and provincial education departments as well as education institutes.
- To establish ICT infrastructure platform to facilitate e-government systems usability and accessibility
- To Increased access to basic education for all who want to get education anytime from anywhere and to provide education to those who are unable to go to schools duo to poverty and family restriction
- To improved quality of basic education by using new technologies
- To use ICT as one of the major tools for learning, teaching, searching and sharing information.
- To ensure that Afghanistan can compete and co-operate in an increasingly interconnected world and face the challenges that is happing around the world.

There were Passive and Active components involved in this project. But following is Distribution of Points as per the location, which is relevant to the Project in Parliament of Afghanistan. T his details the cab ing was done in Multiple locations and multiple buildings of different

ICT infrastructure requirement can be divided into the following sub items. Under this session we will try to detail the solution approach Netlink will be taking to achieve what had been envisioned by MOE and its technical team.

1. UPS _APC

2. AC _HVAC
3. Raised Floor
4. Fire Detection
5. Passive Items
   a. Racks (Two types 42U and 12U)
   b. Patch Panels and Cable Managers
   c. Cat 6 Keystones
   d. Cat6 Cable rolls
   e. Outdoor Fibers
6. DELL Server and Storage
   a. Rack Mount Servers
   b. Blade Chassis & servers
   c. Storage
   d. Tape Library
   e. DR replication device
7. Cisco Networking
   a. 24 Port switches
   b. 24 Port POE switches
   c. 48 Port switches
   d. Core switches (HQ & Remote offices)
   e. ASA5500 firewalls
   f. Access Points
   g. Wireless Controllers
   h. Access Control Servers
   i. Network Admission control Servers
8. Cisco VOIP
   a. Call Manager cluster
   b. Voice Gateway Routers
   c. Unified Operation Manager
   d. IP Phones (Three types)
   e. Call Accounting Software
9. Cisco Video conferencing
   a. CTS Profile 65 Unit
   b. VCS Control
   c. VCS Expressway
   d. CTI- MCU
   e. CTS EX60 Units
10. Network Operating Centr
    a. Environment monitoring
    b. Access to Server room
    c. Visual Displays
    d. Furniture
11. Kaspersky & Websense
12. Link Controller
13. RadioLink to connect the directorates and remote offices
    a. Poles & towers
    b. ODU/IDU & Antennas
14. Civil Work (NOC- Construction)
15. Power source (Generator, DB and Digital regulator/Stabilizer)