# Network Design Proposal

After having met with the managers of the company, reviewing their current network set-up, and touring the new office location, I have put together this design proposal.

## Feasibility Study

Background - Voolium Call Center is opening a new location in downtown Chicago that will better meet the needs of their growing staff. The office center is newly renovated but is not currently set-up to run an intranet that can handle the needs of Voolium.

Scope - This network is to be planned and installed by myself at the new office location, a month before it opens.

## Objectives:

1. Secure Service – Protection of data
2. Collaboration – Information and services
3. Scalability – Room for future growth

Intended Users - Employees of Voolium who will be using internal information to make out-going calls for clients.

## Network Needs Analysis

Data Type - Client details, caller information, phone banking records, multiple lists with 2000-3000 values

Data Sources - Created and used by all stations on the network, software in Office 2007 run on Windows 8

Number of Users - 20 with an expansion capability of up to 50

Priority Levels - Level 1 for phone reps, level 2 for managers

Speed Requirements - Should be transparent, average 20 Mbps per user

Reliability & Security - Industry standards.

## Network Design

Please see the attached documents detailing how the network will be set up. The visuals include basic layout of the building and has exact measurements. Diagrams show exactly how all hardware and computers will be connected. There are 2 connection points for the 20 computers (bought and supplied by Voolium), however notes for expansion space can be seen in the accompanying documents.

## Costs

Initial costs including first year maintenance upfront - $57,800

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| --- | --- |
| Item | Cost |
| Server | $15,000 |
| Other Hardware | $10,000 |
| Software | $5,000 |
| Install | $25,000 |
| Training | $1500 |
| Maintenance | (First year): $1200 |
| Internet Access | $100 (initial set-up, $27 monthly afterwards) |

For final review of equipment, please contact me this week and we can move forward with a contract.

Mark Farthing

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