

**C A S E S T U D Y**  
**C H I N A**

**3D TGNT Lowers Communication Operating Costs  
for Leading Multi-National Enterprise**

**3D TGNT China sets up an advanced global  
enterprise communication information  
network for a leading multi-national  
enterprise**



**BACKGROUND**

The client is a leading manufacturer of computers, communication and consumption electronics with production facilities and offices across Asia, Europe and the US.

**3D TGNT** and Nortel have provided an advanced Enterprise Voice Solution for this global corporation.



## CHALLENGE

The client prides itself in its ability to deliver “Built to Order” products quickly, with superb time to market. With its focus on global production and distribution logistics, it has its R&D, distribution centres and offices in key cities in Asia, Europe and the US. With employees spread across and separated with such vast distances, they needed a voice network that could gain operational efficiency and cut costs.

## CLIENT REQUIREMENT & TECHNOLOGICAL CHALLENGES

- Link all offices of the enterprise group for advanced, efficient and stable internal communication network of the enterprise.
- A fast, convenient and simple communication set up between offices and employees through a simple extension number, followed by a maximum of four to five digits, irrespective of which city the person is calling from.
- Besides basic call functions, the enterprise network should provide powerful network functions such as extension number connection around the world, global multi-party telephone conference, voice mail, conference calling and call forwarding, to increase office efficiency.
- Link with multiple operators and choose the best call cost mix to lower call expenses.
- A flexible, scalable and interoperable system to safeguard existing investments.

## THE SOLUTION

3D TGNT set up the voice network for the client with a range of Nortel **Meridian 1 PABX's**, as it allows for a great deal of flexibility and efficiency. The Meridian 1 PABX is ideal for both simple off-premise extensions and sophisticated and complex networking requirements.

3D TGNT deployed the **Option 81C** or **Option 61C** for large offices, which is a carrier-grade platform and supports both traditional and Voice over IP Communications for a range of 200 to 16,000 lines. For the smaller offices **Option 11C** was used, which is ideal for 60 to 800 users.

## A global corporate network with powerful functions:

### **Power and Versatile Network:**

3D TGNT has deployed a global network for the customer with complete network functions and powerful software packages to enable a series of functions such as conferencing, call forwarding, hotline, multiple display, manual service, special line, personal authorization code and account charging.

### **Communication & Connectivity simplified:**

All offices and subsidiaries of the customer enterprise now enjoy simple extension numbers that link with the various offices around the world, thereby eliminating the need for memorizing troublesome long-distance numbers.



**Advanced Applications:**

With a built-in function module connecting all data through an internal link, the client enjoys e-Mobility and unified messaging and conferencing. *The Nortel Integrated Conference Bridge (ICB)* allows for up to 8 languages and provides a 62-party dial-in automatic conference call.

**IP Enabled:**

With *Meridian 1 Internet Telephony Gateways (ITG)* the customer's voice network is now IP Enabled. In addition to saving costs on additional products like MUX for voice compression, the ITG Trunk Side card automatically builds in this compression feature, allowing for efficient intra-office communications. ITG also allows the customer to bring a VoIP solution to its LAN across its WAN at a later stage.

**SUMMARY**

With a Meridian 1 PABX network, the customer has undoubtedly invested in exceptional flexibility and scalability. As the business environment expands, its corporate network will extend its capabilities to support the organisation's growth.

The client today enjoys nearly 40% lower operating costs of communication.

The client's internal information network established with Nortel Meridian 1 successfully contributes to its multinational operation strategy of "design at one site, manufacture in multiple areas and deliver globally". This has been achieved by harmonizing global resources, accelerating development of new products and speeding up the cycle of production and introduction to market.

**For more company information, please visit:**

[www.3dtgnt.com](http://www.3dtgnt.com)  
[www.planet1world.com](http://www.planet1world.com)

**For 3D TGNT contact details, please visit:**

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