

Larger, Faster, Stronger, Let network achieve our dream

— ZTE, the sole supplier to build the world's largest
NGHLR commercial network

As a subsidiary of VNPT Group, the biggest full services operator in Vietnam, VinaPhone was awarded the 3G license from Vietnamese Ministry of Information and Communication on April 2nd, 2009, it has become the first operators provide 3G services.

Opportunity and challenge for VinaPhone

With the rapid development of the domestic economy, Vietnam mobile network is in the early stage of the outbreak. Vietnam was recommended by ITU (International telecommunication Union) as one of the top ten countries in which information technology and spread abroad widely in 2008. At present, the penetration rate of mobile network in Vietnam market is about 60% with huge potential. At the same time, as Vietnamese like to pursue advanced communication technologies, the operators work with excellent equipment providers to build mobile networks, so that they can attract users by advanced services.

VinaPhone core network equipments are located in Hanoi, Ho Chi Minh and Danang. Due to the rapid development of the subscribers, the capacity of HLR is already saturated; the update of network equipment, especially the replacement of the core network is in great need. VinaPhone plans to fulfill construction of NGHLR at the beginning of 2009, to meet the requirement

of future business development.

Success stems from the choice of motives

As a benchmark supplier in NGHLR field, ZTE passed strict certification and evaluation of VinaPhone, it has exclusively constructed 30 million lines NGHLR for VinaPhone in phase 1. on April 30th , 2009, phase I of the three places geographical distributed disaster recovery NGHLR system has start to assign numbers. Single set of ZTE NGHLR system meets the full-network needs of VinaPhone 's , it realizes swapping for current 14 sets of HLR systems , which reflects the powerful next-generation HLR capacity, geographic distributed disaster recovery and convergent evolution capabilities. VinaPhone takes changing from "multi-network co-exist" to "convergence of multi-network", which is the key step to keep leading position in the 3G market.

After the successful commercial application of 30 million users' network, VinaPhone will choose ZTE again to build 60 million lines of NGHLR commercial network in the end of July, 2009. This system will become the world's largest, the most advanced and most stable NGHLR network, laying a solid foundation for VinaPhone to consolidate the leading position in further 3G market.

Presence in the 80th anniversary celebration of the Vietnamese

Ministry of Labor

24 July 2009, ZTE and Vinaphone, were invited to attend the 80th anniversary celebration of the Vietnamese Ministry of Labor. In the Ceremony, Vinaphone have ceremoniously presented its NGHLR Project as the project model of this year to the Vietnamese Ministry of Labor.

As an important NGHLR products sample of ZTE, VinaPhone NGHLR project is embodied the arduous work of the project team, and has gained high recognition from customers. This event has great significance; it not only stands the high maturity of NGHLR products, but also lays a solid foundation for ZTE NGHLR deployment all over the world.

World's leading NGHLR

The VinaPhone NGHLR system co-constructed by ZTE and VinaPhone, which introduced an advanced distributed architecture, supporting flexible load-balancing mechanism, distributed N + K geographic-redundancy, and convergent user data evolution. The NGHLR system is empowered with following key competitiveness:

The largest single office capacity

The system is based on the unified user platform and advanced Telecom Computing

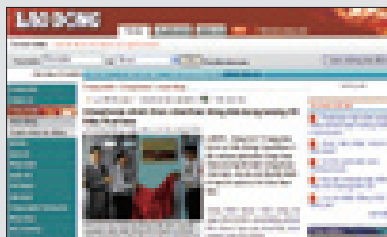
Architecture (ATCA) server platform. The expanded system could support 60 million subs for single office, and system maximally supports 100 million subs. It will be the largest NGHLR system in overseas market.

The quickest network commissioning

NGHLR system is built in Hanoi, Ho Chi Minh and Danang at the same time by using geography distributed redundancy system. ZTE complete HLR construction for VinaPhone in 45 days to achieve the customer's urgent requirement. VinaPhone not only saves nearly 35% of the network construction costs, but also greatly accelerates the time of launch new businesses, ZTE help operator to win more opportunities in the upcoming 3G market.

The strongest network migration

The VinaPhone NGHLR system not only serves newly provisioned subscribers, but also has original 14 HLR databases merged in. After database migration, VinaPhone whole network has only one unified HLR system, which meets all 2G/3G number-assigning and service requirements.



Appendix

‘VinaPhone officially exploits exchange with capacity of 30 million subscribers

Updated: 5:31 PM, 24/07/2009

Vice President of Vietnam Labor Federation, Nguyen Hoa Binh attached the plate “Project welcoming 80 year anniversary of Vietnam Labor Union” for Telecommunication service center VinaPhone 1.

On the morning 24th, July, Telecommunication service center VinaPhone 1 with great honor attached the plate “Project welcoming 80 year anniversary of Vietnam Labor Union”, for the project installing NGHLR equipment capable of managing 30 million subscribers.

The project was started in 26th Feb., 2009 and the system was put into commercial use in 5th June, 2009.

The new NGHLR with advanced technology has increased the total capacity to 30 million subscribers, simultaneously serves 15 million subscribers including 13,5 million 2G subscribers and 1,5 million 2G/3G subscribers.

Currently, VinaPhone has more than 20 million subscribers. NGHLR is the equipment that manages the subscriber data with new technology supporting smooth transition toward 3G and 4G, is capable of 30 million subscribers and will meet the subscriber development demand for years ahead.

The project has great honor to receive “Decision to attach Project plate” of Vietnam Labor Federation; “Decision to award certificate of merit” of Vietnam Labor Federation; and “Decision to commend and reward” of Vietnam Labor Union. ’

Case Summary

Highlights of solutions

- Smooth swapping of network to ensure service Continuity of core network element
- Huge capacity, geography distributed redundancy

- High-efficient implementation ability, delivery in only 45 days

Customer benefits

- Convergence of full-HLR networks,

simplifies network architecture, decrease CAPEX and OPEX.

- Smooth network evolution, technology leading in industry;
- Redundancy solution to improve reliability.