



Higher Speeds for Sacombank

Sacombank builds high speed data centres to meet needs of their burgeoning business.

CASE STUDY

CHALLENGE

Sacombank required a new headquarters in Ho Chi Minh City, accommodating over 1000 employees, including a trading floor. To support the bank's high reliability requirements, a quality solution was sought, to support the rapidly growing network.

STRATEGY

Sacombank selected CopperTen™, ADC KRONE's Category 6_A solution for its 10 Gigabit capabilities. Meeting the high bandwidth requirements of a Tier 3.5 data centre, this supports the 1 Gig to the desktop service speeds that Sacombank maintains. A HighBand® 20-pair HighBand Block was used to cross-connect the facility, allowing fast moves, adds and changes.

RESULTS

Completed at the end of 2007, the project was on time and delivered to requirements. Sacombank can rest in the knowledge that downtime is limited to less than 0.005%, which equates to only 25 minutes per year of scheduled service.



CASE STUDY

Sacombank, founded in Ho Chi Minh City (HCMC) through the consolidation of 4 credit institutions in 1991, has built success upon success over the bank's 17 year history. Keeping pace with Asia Pacific's fastest growing economy, Vietnam, Sacombank was ranked 4th among all commercial banks according to a UNDP Top 200 Vietnamese Enterprises Survey.

With 2008 first quarter profits 44% above the same period in 2007 it's no wonder Sacombank has attracted a high level of foreign investment. The Australia and New Zealand Banking Corporation (ANZ) have had a 10% share holding in Sacombank since 2005, for obvious reasons, with share dividends in the 15 percentile range.

Not a company to settle for complacency, but rather to foster rapid sustainable growth, Sacombank has reinvested in itself and its employees through the aggressive expansion of current and the building of new facilities throughout Vietnam.

Vietnam's Rising Finance Industry

One such new facility is Sacombank's new headquarters building, located in HCMC. It has facilities that accommodate more than 1000 employees working in corporate and personal lending, product development, IT, marketing and transaction offices, as well as a state of the art trading floor.

Mr. Hiep, Sacombank's Director in charge of IT infrastructure, was tasked with the deployment of IT facilities for the new facility. Working closely with ADC KRONE and QD-Tek (our local distribution partner), Mr. Hiep ensured that the very best in class network infrastructure was put in place to support the bank's needs. The project, lasting 18 months, was completed on time at the end of 2007. Sacombank's Headquarters houses over 2,500 communications outlets with 125km of copper and 2km of OM3 and OS1 fibre optic cable.

Mr. Loi, Manager of the IT Infrastructure Department, was pleased to speak to ADC KRONE during our visit to the facility. When asked what the key drivers were to choose passive infrastructure he said, "We chose good cable because the network has grown so fast that we needed a cable partner of quality. ADC KRONE has that quality."

With service speeds of 1 Gigabit Ethernet to the desktop, Sacombank did not settle for minimum standards. Rather, they chose to use Category 6 cabling throughout the facility in support of the fastest data rates over copper infrastructure and the ability to support even faster speeds into the future. All running on Cisco active hardware, investment into quality can be seen throughout the IT infrastructure.

At the same time the headquarters was under construction the decision was made to build a decentralised Data Centre facility located just outside HCMC in the Vietnam and Singapore Industrial Park 1 (VSIP1).



Sacombank Tier 3.5 Data Centre

Mr. Hiep, once again was in charge of making the new facility a success, worked closely with Mr. Thang from ADC KRONE and Mr. Quan's team from QD-Tek to develop the best suited solution for the facility.

The TIA 942 Standard was referenced to ensure the facility could meet Sacombank requirements for availability.

TIA-942 - Telecommunications Infrastructure Standard for Data Centres

Which provides information regarding:

- Site selection and sizing
- Cabling infrastructure administration
- Architectural and structural considerations
- Security and fire protection
- Electrical, grounding and mechanical systems
- Application distance limitations
- Access-provider coordination and demarcation

With the high bandwidth requirements of the Tier 3.5 Data Centre, the 1 Gigabit Category 6 standard presented application distance limitations. The 10 Gigabit capability of Category 6_A was preferable. ADC KRONE's CopperTen™ Category 6_A UTP infrastructure was chosen as a result. This choice enables the new facilities equipment distribution area to operate at the recently ratified IEEE 802.3an 10Gigabit speed, for up to 100 metres.

ADC KRONE's CopperTen Cat 6_A solutions have been available for more than 4 years. They have been installed in countless facilities throughout the world and fully support the recently ratified TIA 568 B.2-10 Standard.

Mrs. Chau, QD-Tek's Technical Director, played an instrumental role in developing the solution and helping Mr. Hiep with design considerations to achieve Sacombank's goals. As an industry leader, Mrs. Chau brought to the table many years of experience in systems integration. Holding her CCNA and ADC KRONE Master Installer/Designer course instructor qualifications, Mrs. Chau's abilities proved to be invaluable during the development and implementation phases of the project.

A full 10 Gigabit Patch-by-Exception 20-pair HighBand® block solution was used to cross connect the facility. The solution, unique to ADC KRONE, gives customers the ability to make fast moves, adds and changes to the wiring without disturbing the active hardware layout.



CASE STUDY

The block arrangement also provides for wall mounting, which uses space that would otherwise be wasted and enables the cabinets to be locked and secured for maximum airflow.

Cut over in March, the facility is the first of its kind for Vietnam in deploying 10 Gigabit Copper UTP infrastructure. The design of the facility, aesthetically pleasing, is circular throughout. Starting from the core, where the servers are managed, you soon work your way out into the horizontal and main distribution areas located one layer out. NOC facility, UPS, backup generators and building entrance facilities closely follow.

As a result, Sacombank can rest in the knowledge that downtime is limited to less than 0.005%, which equates to only 25 minutes per year of scheduled service. All part of Sacombank's plan to provide best in class services to their customers.



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