Allied Telesis™

Seamless Connectivity at World-Class Convention Center

One of South East Asia's largest churches, Calvary Church, ensures its new convention centre is built for the future with an innovative Allied Telesis solution.

Summary

Calvary Convention Centre

Location: Malaysia
Established: 2012

Challenge
Calvary Church needed a world-class vendor with proven technology to provide a future-proof robust, scalable and easy to manage network for its new convention centre.

Solution
The network core consists of two SwitchBlade x908 modular switches, using Virtual Chassis Stacking (VCStack™) to form a single virtual device. The distribution layer uses Allied Telesis x610 series advanced gigabit Layer 3 switches, while AT-8000GS series switches provide edge connectivity to the many devices using the network.

Success
The new Allied Telesis network is resilient and ensures always-on access to the many online resources and applications used throughout the centre. The network ensures high performance data transfer, and has no single point of failure, for uninterrupted network service.

Challenge
Calvary Church in Kuala Lumpur had a vision—to create a world-class intelligent convention centre, built for the future. The result was Calvary Convention Centre (CCC), a unique convention centre that hosts international, national, and regional conventions, banquets, seminars, musical and creative arts productions, and provides educational and vocational training and spiritual development.

CCC is a 6-storey multiplex with a total built up area of about 600,000 square feet. It has a 5,000-seat capacity auditorium, an educational and training annex, and unique facilities that are dedicated to enhancing educational and convention needs.

Located on 4.9 acres of land within the identified International Zone at Bukit Jalil, in Kuala Lumpur, the centre is surrounded by parks and established institutions, and is accessible by an excellent network of highways.

Calvary Church needed a world-class vendor with proven technology to provide a future-proof network for CCC. They selected Allied Telesis, an industry leader in the deployment and provision of innovative network solutions that seamlessly connect people, applications and devices.

The network requirements
CCC required its new network to be robust, scalable and easy to manage. Multiple systems and applications would converge on the new network, including IP security cameras, IP telephones, IPTV, card access, the PA system and more. About 50 Ethernet switches were required, distributed around the large premises, to support this modern converged network.

CCC also needed a high capacity wireless system that could support hundreds of high-throughput users at the same time.

Allied Telesis solutions engineers are well known for their commitment, design, and project management capabilities. They were chosen by CCC to collaborate and contribute to the design of server specifications for the many services, security appliances, and network switching infrastructure that was necessary to support the entire solution.

Success Story | Calvary Convention Centre

> "We were looking for a reliable vendor we could trust, with a comprehensive product portfolio, and who was able to provide the support we needed. This is exactly what Allied Telesis delivered.
>
> Allied Telesis are always there for their customers, and provide prompt responses, which gave us a lot of confidence in their expertise and professionalism."
>
> **David Tan**, IT Administrator, Calvary Convention Centre.

> "Allied Telesis met all of our network requirements. Their robust network design, reliable products and advanced technology support provided the complete package."
>
> **David Tan**

The international significance of the events that take place in the convention centre requires high availability of all services—even minimal downtime during any productions or performances would be unacceptable. For this reason, Allied Telesis devoted significant resources to the design and engineering of the network, and the successful integration of all parts of the system.

Solution

The completed project includes one main data centre, which supports all of the systems used in the convention centre. The Allied Telesis network has been designed to be resilient and ensure always-on access to the various online resources and applications used throughout the convention centre.

The network core consists of two SwitchBlade x908® modular switches, using Virtual Chassis Stacking (VCStack™) to form a single virtual device. This provides high performance data transfer, and when partnered with multiple connections to downstream switches, the network has no single point of failure for uninterrupted network service.

The network distribution layer uses Allied Telesis x610 Series advanced Gigabit Layer 3 switches, while AT-8000GS Series switches provide edge connectivity to the many devices using the network.

The new wireless solution uses Allied Telesis Channel Blanket technology. A unique Channel Blanket aggregates the wireless signal of multiple access points, creating a coverage blanket over the entire area, which is resilient to interference.

Allied Telesis provided training to CCC staff prior to handover, so they would be confident in the day-to-day use of the advanced, yet easy to manage new network solution. They also have a commitment to ongoing consultancy and remote support at any time.

Success

Today, CCC's powerful new network easily handles the data requirements for digital security cameras, IP telephony, the PA system, building access, and the many other digital resources and applications in use.

The Allied Telesis highly resilient design ensures that the many systems converged on the new network are all able to function together seamlessly with no performance issues. CCC now enjoys the many benefits of a fully connected and integrated solution.

In the near future, CCC intends to add upgraded wireless connectivity options to their network to further enhance capabilities.

Allied Telesis look forward to continuing to support this world-class intelligent convention centre, as they host people, events and productions across many spheres for regional, national and international visitors.