CASE STUDY

ATMA JAYA ACCELERATES DIGITAL TRANSFORMATION STRATEGY WITH ARUBA

Achieving the 3Cs – Connect, Collaborate, Communicate

Atma Jaya Catholic University of Indonesia (Atma Jaya) was founded by the Atma Jaya Foundation in 1960. Today, Atma Jaya Catholic University is an institution of higher learning with more than 10,000 students across its eight faculties.

Atma Jaya consists of three separate campuses: one being the Semanggi Campus located on Jalan Jendral Sudirman, second is the Pluit Campus in North Jakarta -- which houses the Faculty of Medicine and Atma Jaya Hospital -- and third is a new facility in Bumi Serpong Damai (BSD) City, South Jakarta.

ALIGNING NETWORK PLANNING WITH IOT STRATEGY

As part of a 5-year IT roadmap set out by Danny Natalies, CIO and Head of Information Technology at Atma Jaya University, the school planned to upgrade its network infrastructure. One of the key requirements was to connect the three campuses. The plan also included aligning the school's connectivity network with its IoT strategy, which sets out to better accommodate demands from students and staff who are increasingly connected and reliant on mobile devices.

REQUIREMENTS

• Upgrade network infrastructure as part of a 5-year IT roadmap
• Visibility and centralized management of network
• Better accommodate to demands of increasingly connected students and staff with many mobile devices

SOLUTION

• Aruba 5406R as core switch, integrated with HP MSM Wireless controller
• Aruba 7200 series mobility controller with Policy Enforcement Firewall

BENEFITS

• Ability to support and secure more devices on network
• Manage the entire network on one platform
• Cost savings of up to 80 percent from HPE Aruba’s lifetime warranty
• Campus network infrastructure planning
• Set the groundwork for future IoT upgrading as part of the university's IT strategy

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Danny Natalies, CIO and Head of Information Technology at Atma Jaya University
“We want to ensure that our students and staff are able to communicate, collaborate and share anytime and from anywhere on campus,” Danny said. “We also want to put in place a robust infrastructure that enables seamless connectivity across our three campuses.”

He further elaborated: “The network that we had prior to this upgrade required many skilled engineers to maintain and operate, which added to operational cost. Each year, I also had to set aside budget for equipment replacement. Furthermore, we were not getting the support we require from our solution provider and did not feel like we were treated as a partner.”

Atma Jaya’s planned technology upgrade include a new core ERP system, paperless workflow automation system, resource management system, smart identity management system and a system that allows for mobile-enabled access to the cloud. Danny needed to ensure that the new network is more robust and scalable, so that it can support these new systems that they were deploying.

He added: “We have to ensure that the network infrastructure is able to support the school’s business goals. The upgrade also needed to add value by bringing better user experience and cost effectiveness.”

Specifically, for the hospital, he had to ensure that all the network equipment meets the Health Insurance Portability and Accountability Act (HIPAA) of 2016 and does not interfere with medical devices certified by the European Telecommunications Standards Institute (ETSI) EN 301 893 and International Electrotechnical Commission (IEC) 60601.

Cost-effective equipment with lifetime guarantee

Danny’s team devised a series of test scenarios for the proof of concept stage. Various solution providers had to prove that their solution will run well, even in a worst-case scenario. “We selected HPE Aruba as its offering matched that of leading vendors, and their team is the only one that also demonstrated a strong business case such as lifetime warranty on equipment,” said Danny. “Also, my staff who had no prior Aruba experience faced no technical difficulties switching over.”

Atma Jaya adopted Aruba as its connectivity network platform across all its three campuses. The network, with Aruba 5406R as a core switch, integrated with HP MSM Wireless controller, now provides wireless connectivity across the school’s buildings providing network access to over 10,000 students and more than 1,000 staff. Furthermore, Aruba also connects about 700 patients and 250 visitors a day at the Atma Jaya Hospital. The network uses captive portal from MSM Wireless controller integrated with RADIUS server for authentication.

Seamless network across connected campuses

With HPE Aruba’s solution in place, Danny’s IT team can now manage the entire network on one platform. The system offers his team visibility into user profiles and what devices are connected to the network at any time, alongside seamless network security. This helps him free up resources as less manpower is required to manage the network.

Danny commented: “The Aruba solution provides a solid platform that allows all business processes, as well as communication and collaboration, to run in an effective and seamless way. It creates a more efficient and faster environment.”

More importantly, Danny now saves up to 80 percent of his network equipment replacement budget as the HPE Aruba solution comes with lifetime warranty. He said: “The Aruba solution brings us closer to our vision of a multi-campus connected university. The security of the lifetime guarantee...”
means we can invest the budget into new projects. Our budgets stretch further.”

All the network equipment in the Atma Jaya hospital is now HIPAA certified. Danny also finds the Aruba HPE sales and service teams to be responsive.

Danny added: “It was great to meet the most senior representative from HPE Aruba in Indonesia. I felt assured that Atma Jaya’s network infrastructure was in good hands and that this team respects our business. With HPE Aruba, it was a collaboration between two partners working to make this project a success.”

**Charting the course for the IT roadmap**

The Aruba platform puts Atma Jaya on course for its IT roadmap. Danny is now able to focus on upgrading the campus’ backend system, and ensuring that right skilled talents are in place and ready. He aims to not just solve problems, but plan for the long run. This is the same philosophy he takes to working with vendors. He believes in investing in long-term partnership as he knows returns will come in the long run. These may be in the form of better efficiency and being more future ready, he said of the network he has put in place.

Danny concluded: “We have a role to play in bringing greater access to the Internet for all Indonesians, not just those on the university campus.”

Danny further shared that next step for him is to ensure that the school is effectively equipped to support existing e-learning modules, and that would include making sure that there is sufficient bandwidth and network capacity on campus.