



Case Study

Market: Education

Deal implemented: June 2016

Region : United States

Number of users: 9000+

Company: [Morgan State University](#)

Morgan State University (Morgan) is located in a residential section of Baltimore, Maryland, on a 143-acre campus. Morgan is Maryland's premier public urban research institution providing a diverse student body with a distinctive educational experience. Each year, the university enrolls an average of 7700 students in programs from the baccalaureate to the doctorate. The historic academic institution will soon celebrate its 150-year anniversary.

Challenges

Morgan's existing network was obsolete, no longer maintainable and failing to offer satisfactory bandwidth to users. The university was looking to replace it with a new robust network backbone.

Morgan also wanted to provide students with highly available and reliable WiFi, enabling them to connect personal devices throughout campus.

In addition, the school wanted to migrate communications to Voice over IP (VoIP).

Product and services

Alcatel-Lucent OmniSwitch® 10K Modular LAN Chassis

Alcatel-Lucent OmniSwitch® 6450 Stackable Gigabit Ethernet LAN Switch

Alcatel-Lucent OmniSwitch® 6900 Stackable LAN Switch

Alcatel-Lucent OmniAccess® WLAN Access Points

Alcatel-Lucent OmniVista® 2500 Network Management System

Alcatel-Lucent OmniVista® 3600 Air Manager

Alcatel-Lucent OmniAccess® WLAN Controllers

Alcatel-Lucent Premium DeskPhones

What made the difference?

Morgan was impressed by the tender response submitted by Magothy Technology, the Business Partner. The Alcatel-Lucent Enterprise solution significantly exceeded the university's technical objectives, for example by virtualizing the core and delivering 240GB - more than double the requested 100GB.

Benefits

Technical

The university's dual core routed network went from 2GB to 80GB, providing ample bandwidth for future growth of users, applications and devices, as well as connection to high-speed servers.

The new infrastructure unifies historically disparate networks (e.g. surveillance, card access, energy management, fire safety...) while maintaining service separation between them, and simplifying management and maintenance.

The solution has the capability to deliver all kinds of real-time applications, including VoIP, with high service quality.

Financial

The unification of multiple networks means less money spent on maintenance.

The new network enables the expansion of online courses and degrees, a significant revenue generator for Morgan.

User Experience

Students have access to pervasive, secure WiFi across campus, including in outdoor areas. The campus is safer thanks to an increased number of cameras with higher resolution, allowing campus security instant access to assess situations.

“The Next Generation Network project is an enabler of Morgan State University's strategic goals and its mantra...Growing the future and leading the world.

This ultra-fast and scalable network will more than adequately support excellent teaching, transformative learning, and innovative research that are hallmarks at Morgan State University. Truly the future has an address and it is here at Morgan State, where we are leading the world with another milestone project.”

Dr. Adebisi Oladipupo, CIO, Morgan State University