

Chemistry Institute UNICAMP

Providing better student services with a secure, stable and reliable network. infrastructure.

“ALE offers high quality solutions at a fair price. It brought stability to our network and empowered us to expand toward integrated IP telephony and IoT technology like smartboards, surveillance cameras and other classroom technologies in the near future.”

André Luiz Paiz, Network Analyst

UNICAMP is considered one of the best universities in Brazil and a leader in research and patent development. The Chemistry Institute within UNICAMP has around 500 students and 85 staff. Since its founding, the institute has produced more than 1,800 masters and PhDs and published around 5,700 articles in scientific magazines. It is one of the largest institutes in the university with more than 10 buildings in an area of 32,000 square meters.

CHALLENGES

The education sector increasingly uses technology to improve learning results and offer better services to students and faculty. Universities also know content must be always available for students, professors and researchers.

The IT department at Chemistry Institute, UNICAMP (CI-U) could see the network core was unstable and the access obsolete, causing several problems and daily failures. The difficulty to download and upload content to the cloud or even to access local servers had a direct impact in the learning process and research activities.

The objective: create a stable network with high performance to support the existing data traffic, including the WLAN (which is constantly growing). Additionally, it had to support future integration of IP telephony and the use of more IoT devices like smartboards, surveillance cameras, location services and other classroom technologies.

PRODUCTS AND SERVICES

Alcatel-Lucent OmniSwitch® 6450 Stackable Gigabit Ethernet LAN Switch
Alcatel-Lucent OmniSwitch® 6850 Stackable LAN Switch
Alcatel-Lucent OmniSwitch® 6860E Stackable LAN Switch
Alcatel-Lucent OmniSwitch® 6900-X20/X72 Stackable LAN Switch
Alcatel-Lucent OmniVista® 2500 Network Management System

WHAT MADE THE DIFFERENCE?

The UNICAMP Chemistry Institute has been an ALE customer for six years. The main reasons they chose ALE was confidence in the products and technology offered and the support offered by ALE's business partner during the entire process, including post sales. ALE complied with all technology demands offering high quality products at a fair price.

> TECHNICAL BENEFITS

At CI-U research is done 24/7. The stability and reliability provided by the OmniSwitches considerably relieved the workload on IT.

Thanks to OmniVista, it's possible to centrally manage the entire network, simplifying daily IT operations.

The OmniSwitch 6900 in virtual chassis mode cost less, uses less space and saves energy compared to a traditional chassis. It also delivers better performance.

> FINANCIAL BENEFITS

Lower support cost: the savings from the previous equipment support costs was enough to pay for the new OmniSwitch 6900 core switches.

ALE offers high quality products at a lower cost than competitors and they are more flexible to find the best agreement.

> USER EXPERIENCE BENEFITS

The network performance improved substantially. Now downtimes are for maintenance purposes only. Students and researchers can quickly access articles and research material anytime.

Chemical analysis equipment connected to the network, like mass spectrometers, crystal analysis, etc., is used by students and researchers with the speed and quality that is expected.

Customer Story

MARKET: **EDUCATION**

DEAL IMPLEMENTED: **DECEMBER 2018**

COUNTRY: **BRAZIL**

NUMBER OF USERS: **1700**

COMPANY:

**CHEMISTRY INSTITUTE,
UNICAMP**