POWERING K-12 LEARNING WITH RELIABLE WIRED AND WIRELESS CONNECTIVITY

ROME CITY SCHOOLS

Rome City Schools is a School District located in Floyd County, Georgia that serves the city of Rome and its surrounding area. The K-12 District is home to 10 schools: 7 elementary schools, 1 middle school, 1 high school and 1 alternative school. The Rome City Schools community has about 6300 students and 500 employees, including faculty.

CHALLENGES

An independent assessment highlighted several issues with the District's infrastructure. It was aging, with some hubs up to 15 years old. Switches had been replaced on a piecemeal basis. The result was a complex network that was performing poorly.

The district wanted to simplify its wired and wireless networks by transitioning to a single system and brand. This solution had to deliver high quality bandwidth to support the 1-to-1 initiative — one device per student — as well as enable e-learning. It also needed network redundancy to ensure the system was reliable enough to allow the District to do all state-mandated testing online.

PRODUCTS AND SERVICES

Alcatel-Lucent OmniSwitch® 6900 Stackable LAN Switch

Alcatel-Lucent OmniSwitch® 6860E

Alcatel-Lucent OmniSwitch® 6450 Stackable LAN Switch

Alcatel-Lucent OmniAccess® AP225

Alcatel-Lucent OmniAccess® 4650

WHAT MADE THE DIFFERENCE?

The District's technical staff, who was familiar with Alcatel-Lucent Enterprise solutions, was confident that the virtual chassis core would enable reliable connectivity while simplifying management and maintenance.

The strong relationship with business partner Logical Systems Inc and the solution's cost effectiveness were also important decision-making factors.

Location: Georgia, USA

Vertical: Education

Number of users: 6000+

Deal implementation: 2015-2016

Business partner: Logical Systems Inc

logical systems
WE MAKE IT WORK

BENEFITS

TECHNICAL

The enterprise-class network, including a 10Gig backbone, has brought the District's technical capacity to the next level and enables state mandated testing to be carried out 100% online.

Universal network profile allows users and devices to move throughout the network and have the correct network access and performance applied automatically

FINANCIAL

With upgraded wireless, the first 2000 laptops s bought for the 1-to-1 initiative have finally been put to use.

Maintenance needs dropped significantly thanks to system reliability (less than 1% failure rate).

USER EXPERIENCE

The user experience has vastly improved for students, faculty, staff and visitors.

Reliable wireless is now available at all schools, powering BYOD and school devices to support student learning anytime, anywhere.

"We used to get a lot of complaints, but since we implemented the Alcatel-Lucent Enterprise solution we haven't had any. Now, teachers and students can focus on learning rather than trying to get an internet connection, and that's exactly what we wanted to achieve."

Tim Fleming, Chief Technology and Information Officer, Rome City Schools

Alcatel·Lucent Enterprise