



INDUSTRY: EDUCATION SUCCESS STORY: WALLED LAKE SCHOOL DISTRICT

Customer Overview

The Walled Lake Consolidated School District is located in the greater metropolitan Detroit, Michigan area. The district operates 14 elementary schools, four middle schools, three high schools, one alternative high school, a Community Education Center (CEC), a Transportation/ Operations Center, an Administrative Center (called the Educational Services Center), and a Court-placement School (Crossroads). The mission of the Walled Lake Schools, in partnership with parents and community, is to become the best educational system in America so all students demonstrate they are caring, responsible and knowledgeable citizens.

Solution

Inacomp planned, designed, implemented and optimized an advanced network infrastructure that incorporated:

- Cisco Catalyst 6509
- Layer 2 & Layer 3 Cisco Switches
- POE Switch

Key Benefits

Optimizes IT infrastructure utilization and maximizes return on investment by using an architecture that provides:

- Greater network uptime for higher user productivity
- Comprehensive network security
- Superior services integration supporting the application-aware convergence of data, voice, and video, on a single highly manageable platform

"Inacomp has proven to be a go-to partner, able to support a broad range of technology initiatives. From wireless technology to storage area networks to converged networking, Inacomp has the business acumen and technical skills to help Walled Lake translate our vision into an infrastructure capable of handling the unique demands of our students, parents and faculty."

Joel Zimmerman
Director of Technology
Walled Lake Consolidated School District

The Situation

The Walled Lake Consolidated School District has embraced the concept of integrating technology literacy into their curriculum. The District recently completed its fifth year of participation in Microsoft's Anytime Anywhere Learning (AAL) Program, which combines leading edge wireless network technology with laptop computers to allow 5th through 11th graders the chance to have a personal laptop with which they can learn anytime. In addition, the District plans to continue to deploy new technologies that will further support learning initiatives, such as video streaming and wireless networking.

The Challenge

Since technology is integrated into the daily operation of the schools' curriculum, business, and operations; the District required a network infrastructure that enabled high speed access to their back-end servers and the Internet. However, their current infrastructure consisted of an antiquated ATM backbone that, at 10 megabits per second, did not provide the throughput required for students to utilize technology resources to the fullest extent.

The Solution

Walled Lake selected Inacomp to plan, design, implement and optimize an advanced network infrastructure that would meet their current requirements for faster throughput, with the flexibility and extensibility to meet future growth and technology development initiatives. Inacomp installed a Cisco Catalyst 6509 core chassis as the foundation for a secure converged network that provides data and voice integration, LAN/WAN multilayer switching in core, distribution, data center, and wiring closet topologies. In addition, Inacomp deployed a combination of Cisco Layer 2 and Layer 3 switches throughout the District's 26 buildings, as well as Power over Ethernet (POE) switches, to accommodate the District's growing wireless network. The new network allows for a throughput of up to 256 gigabits per second and the ability to provide Ethernet-based services at 100-megabit speeds. Now, students, parents and faculty can leverage the new high-performance network to more quickly and efficiently access applications and information that aid in the learning process. The new infrastructure enables Walled Lake to continue to successfully integrate technology into their student's lives and create a more powerful learning environment inside and outside the classroom.

About Inacomp

Inacomp is a leading provider of professional technology services to government and commercial customers in the largest IT markets nationwide. We provide solutions that address the critical business needs of organizations today, such as IT security, voice and data convergence (VOIP), enterprise access and technology management. Our practice areas incorporate an approach and methodology derived from over 18 years of experience in the assessment, design, implementation, management and support of technology solutions.

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