

Pentegra Systems Client Spotlight - Data, Security & Telecom



Marquardt School District #15 Glendale Heights, IL



Client Profile

Located just 25 miles from Chicago in the city's western suburbs, Marquardt School District 15 is growing and changing as fast as the communities that surround it. Situated in Glendale Heights, IL in DuPage County, District 15 serves numerous neighboring communities including the eastern portion of Glendale Heights, parts of Addison, southern sections of Bloomingdale, unincorporated Lombard and the northern section of Glen Ellyn Countryside. District 15 serves approximately 2700 students in four K-5 elementary schools and Marquardt Middle School houses students in grades 6-8 on two adjoining campuses. District 15 is governed by a seven member Board of Education which is housed in the District Administration Center adjacent to the middle school campus. Also located in the District Offices are the technology department and the head-end of the district's technology & communication systems. District 15 has made a commitment to use technology as an "authentic learning tool" in their schools and classrooms. The district chose Pentegra Systems as a technology partner because of our extensive knowledge of leading school technologies and years of experience offering the district effective solutions.

Main System Components

- 3Com
 - Wireless LAN, Switches & Routers
 - NBX Phone System
- Barracuda Networks
 - Spam Filter, Web Filter & Message Archiver
- IBM Servers & Network Components
- Aiphone Video Intercom Components
- Panasonic Vandal-Proof Cameras
- AWID Card Access Components
- S2 Access Control Systems
- DSC Intrusion Systems



"The solutions Pentegra Systems has provided our district are state of the art."
-Network Administrator

Pentegra Systems' Solution

Pentegra Systems is a valuable technology partner to District 15 and has offered the district solutions for many years. Pentegra has recently worked with District 15 integrating multiple data, security and telecom systems. District 15 requires a robust data network to efficiently administer over 800 workstations district-wide. The data network relies on Pentegra supplied IBM servers with 3Com switches and routers. With so much technology, not to mention the safety and security of students and staff, the district needed state-of-the-art communication and security systems. Originally, each school used a different phone system which made administration inefficient and time consuming for the technology department; Pentegra's solution was to integrate a district-wide 3Com NBX IP phone system which allows the convenience of central administration for over 300 handsets throughout the district. Adding further convenience and security was the decision to unify the district's access control systems using Aiphone and S2 Security Corporation components which are integrated with DSC intrusion systems permitting ease of operation. Aiphone video intercom stations and exterior-mounted Panasonic cameras add additional security. Currently, Pentegra Systems and District 15 are working together upgrading the district to Telecor intercom and clock systems as well as completing the installation of gigabit copper cable in each school. Pentegra's relationship with District 15 has grown over the years as a result of Pentegra's ability to solve their problems with effective systems integration.