

## Infrastructure Upgrade and IT Services for School District

Mirazon completed a full overhaul of the server, storage area network (SAN) and backup infrastructure for a midsize school district. After auditing the environment, designing a replacement plan, coordinating procurement and executing deployment, Mirazon delivered improved reliability, performance and post-project support. The client praised the team's technical expertise, personable approach and smooth project management.

Client	Local School District
Location	Crystal Lake, IL
Employees	> 1,495
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Engagement	Feb – Apr 2024
Services	Computer Engineering, Other IT Consulting and SI

## The Situation

A school district with 12 schools, 1,495 employees, and 7,020 students needed to modernize its core IT infrastructure. Its existing server, storage area network (SAN) and backup systems were aging, increasing the risk of performance bottlenecks, downtime and data loss. The district sought a vendor to assess, recommend and implement a replacement architecture under a tight timeline.

**With these challenges in mind, Mirazon and the client focused on several key goals:**

- Assess the existing infrastructure environment (servers, SAN, backups)
- Design a robust, reliable replacement plan (hardware, storage, architecture)
- Holistically procure hardware and software
- Implement the new infrastructure (install, configure, migrate, test)
- Provide post-project support and knowledge transfer



*“They are all very friendly and personable, all while being professional and skilled in their craft.”*

Director of Technology | LOCAL SCHOOL DISTRICT

# The Solution

**Assessment & recommendation:** Mirazon's engineers audited the existing servers, storage systems, and backup architecture to identify capacity, performance, and risk gaps.

**Solution design & procurement:** Based on the audit, they designed a replacement plan (server, SAN, and backup architecture), selected recommended components/vendors, and managed procurement logistics.

**Implementation & migration:** Mirazon's team installed, configured and integrated new systems. After completion of the install and data migration, the team validated and tested to minimize downtime.

**Project management & communication:** Mirazon maintained tight planning, consistent updates, and clear timelines. They avoided overpromising and kept the client informed throughout.

**Post-project support:** After go-live, the team remained available for fine-tuning, troubleshooting and ongoing support.



## The Results

### Security & Reliability

The server, storage area network (SAN) and backup upgrades created a stable, secure infrastructure that eliminated frequent bottlenecks and reduced downtime. With improved redundancy and validated backup systems, the district's data is now better protected and recovery ready.

### Performance & Scalability

New hardware and architecture dramatically improved system speed and responsiveness across the district's network. The modernized setup supports higher workloads and gives the IT team room to scale as technology needs evolve.

### Project Management & Partnership

Mirazon delivered the project on time and within scope through careful planning, clear communication and proactive coordination. The team's personable approach built a strong partnership grounded in trust and technical excellence.