CENTRAL VALLEY SCHOOL DISTRICT, ILION NY

Technology Planning and Capital Project Plan-Design-Build Services

District Background

Central Valley Central School District (CVSD) was formed in 2013 when residents of the former Ilion and Mohawk central school districts voted to merge into a single district. As of the '16/'17 school year, the district had 2,370 full-time students in four schools nestled on the Mohawk River in central New York State.

Project Description

In May 2015, CVSD residents approved the district's proposed $73.6 million capital project that included work on all four school buildings to align them with academic programs for the 21st Century. Major facets of the capital project includes:

- **Jarvis Middle School:** Total renovation with classroom and security upgrades. The improvements will provide all Jarvis students with access to its successful STREAM (Science, Technology, Robotics, Engineering, Arts, and Math) program.

- **Fisher and Barringer Elementary Schools:** Classroom and security upgrades, and small building additions.

- **Central Valley Academy (high school):** Relocation of the cafeteria and district offices, improving technology, renovating instruction areas, and installation of a multipurpose turf field. Select rooms are being converted into BOCES classrooms.

Archi-Technology's Role

Archi-Technology was originally brought into the 580,000 sq. ft. capital project as the designer of the following technology systems under the district's Architect Of Record (AOR), King+King:

- Technology Infrastructure: Cable, pathways and spaces.

- Communications: Voice and Data networks, Public Address, and Master Clock,

- Classroom Audio Visual (AV): Monitors, projectors, screens, and Interactive Whiteboards

- Security: Video Surveillance and Access Control.

Services Provided

- **Comprehensive Technology Plan** for 10-year $8.6M budget.

- **Smart School Investment Planning** for $1M in physical infrastructure and Integrated Security Management System.

- **Technology Plan-Design services** for Technology Infrastructure, Communications, Audio-Video, and Security Systems.

- **Technology Construction Management services** for the systems listed above.

M E P T

Technology Consultants for the 4th Utility

Archi-Technology
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Connecting people, technology and buildings.

CENTRAL VALLEY SCHOOL DISTRICT, ILION NY
Technology Planning & Capital Project Plan-Design-Build Services (cont.)

Archi-Technology's Role (cont.)

Technology Construction Management (TCM) services were also used by the district to ensure correct vendor installation and interoperability of these technology systems.

Eventually Archi-Technology's role would expand to become the district's primary technology consulting firm guiding district staff in the development of its:

- 10-year Comprehensive Technology Plan, and;
- Smart Schools Investment Plan (SSIP) for $1M worth of physical infrastructure and an Integrated Security Management System (ISMS).

Challenges

The scope and scale of the project—including the complete gutting and renovation of the district's middle school building—added to the complexity of planning, designing and coordinating installation of the various district-wide technology systems involved in the project.

All physical work (vs. planning and design) had to be performed around the district's academic calendar to have minimal impact on the district's day-to-day operations.

Statistics

Total Project Cost (including building construction) . . . . $ 70,000,000

Related Technology System (Form Responsibility) Cost. . . . . $ 5,800,000

Smart School Investment Plan (SSIP) Requested Funding. . . . . $ 1,000,000

Project Duration. . . . . Summer 2017 – Summer 2020

Clients:

- **Capital Project PDC Services** King+King Architects, Syracuse, NY
- **Technology Infrastructure Management Services** Central Valley School District, Ilion, NY

Project References

Please call 585.424.1952 for project references.

About Archi-Technology

Archi-Technology LLC is an independent consulting firm that connects people, buildings, and technology. We specialize in:

- **Technology infrastructure** systems that transport data within and among buildings including pathways, cabling, and spaces with special attention to Communications Equipment Rooms (CERs).
- **Related IP-connected systems** that are part of a building's physical structure such as Communications, Integrated and Distributed Audio-Video, Security, and Clinical for healthcare.

We take a holistic view of projects with a "plan-to-manage" approach that looks at meeting both the shorter-term needs of the design-build stages (3 - 5 years) as well as the longer-term operational requirements of the building (50+ years).

We also provide proven technology planning and maintenance services that optimize funding, coordinate activities across disciplines, and ensure alignment to district goals.

Because we don't sell or profit from the sale of hardware or software, all of services are objective and unbiased, based on knowledge and experience, not product commissions.

Please visit our website for more information.

Archi-Technology
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