Desigo Optic for Schools

Desigo Optic helps school districts create safer, healthier and more comfortable learning environments with an open building automation platform
usa.siemens.com/desigo-optic

A simple, powerful, and scalable software solution for visualizing and controlling building automation systems, Desigo Optic redefines what an open platform should be. For K-12 schools, Desigo Optic delivers immediate and actionable insights to help take your building efficiency, comfort, and indoor air quality to the next level.

Scenario

- School district has dated infrastructure and systems in need of modernization.

- Optimizing the indoor environment to improve student, faculty, and staff health is a significant priority.

- Due to budgeting constraints, the school or district needs to avoid significant capital expenditures.

Challenges

- Current BAS limits opportunities for data visualization, integrations with third-party systems.

- Existing system does not support remote access or monitoring for critical campus building data (HVAC, IAQ, lighting, or energy usage).

Highlights

- Easy to use and navigate

- Visualize and act on information quickly

- Leverage existing hardware and infrastructure

- Mobile access to real-time building data

- Upgrade to IoT smart building automation solution

SIEMENS

Solution

- School district migrates to Desigo Optic, including centralized Desigo Optic Server.

- Classrooms receive Total Room Automation to streamline control HVAC, IAQ data, lighting, and 24/7.

- Software implementation successfully completed without replacing or re-engineering existing infrastructure or equipment.

Benefits

- **Optimized learning environment** – With easy access to building performance data, the district can create safer, healthier, more comfortable learning environments that have a positive impact on student wellbeing, performance, and attendance.

- **Speed and ease of implementation** – Project Haystack tagging and data modeling enable significantly faster implementation implementation, engineering, and commissioning of Optic.

- **Streamlined workflows** – Guided, automated engineering helps enable **33% faster implementation.**

- **Data transparency** – Drag-n-drop editors enable real-time building intelligence with or using customized reports for faster decision making to improve operation of schools for optimum learning environment.

- **Best-in-class user interface (UI)** – Simple UI makes it easy to use and navigate and includes easy-to-use mobile app.

- **Secure remote access** – Web-based user interface enables secure remote and mobile access.

- **Strategic maintenance approach** – Data visibility enables a more proactive, data-driven approach to building assets and equipment.

For more information, visit
usa.siemens.com/desigo-optic

Why an open platform?

Many schools prefer the flexibility and interoperability of an open, fully web-accessible platform, which avoids vendor lock-in, supports third-party integrations, and requires no additional tools.

SIEMENS