

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







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.





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