

## Davis School District



### CUSTOMER BENEFITS

- One integrated system
- Updated, cutting edge technology
- Protected extensive investment already made with Schneider Electric

### PROJECT AT A GLANCE

Large public K-12 school district located in Utah with 66,000 students. The facilities add up to over 10 million square feet of classroom, office, and data center space.

Number of Buildings:  
90+ and 340 portable classrooms

Technologies implemented:

- SmartStruxure™ solution powered by StruxureWare Building Operation
- Data Center Operation

### PARTNER

Utah Yamas Controls  
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Reno, NV  
Salt Lake City, UT  
St. George, UT



Davis School District in Utah is a leader in energy efficiency among K-12 schools. They received the 2013 Excellence in Energy Award in the category of Responsible Energy Development from Utah Governor Gary Herbert. The district works closely with Utah Yamas Controls, a Schneider Electric partner, to ensure their facilities are operating at peak energy efficiency.

In 2012, the district celebrated its 100th birthday and started planning for the next 100 years, including integrating many disparate building systems, updating aging facilities, and building new energy efficient schools. The district worked closely with Utah Yamas Controls and chose to transition to SmartStruxure solution, the new integrated Building Management System (iBMS) from Schneider Electric.

“Education is our first priority and to accomplish it we need to provide a good learning environment,” said Director of Utilities Services Paul Barnes. “It is very important that we are energy efficient. Every dollar we don’t spend on energy is one we can use toward educating our students.”

In November of 2012, Utah Yamas Controls completed the transition to SmartStruxure solution in all 90+ facilities encompassing over 10 million square feet, including 59 elementary schools, 16 junior high schools, eight high schools and three alternative high schools. Many of the school buildings had TAC I/NET installed, and because SmartStruxure solution is engineered to protect existing investments, the transition was mostly software-based and took less than three weeks to complete with little disruption to day-to-day operations.



“The transition has been very easy, I haven’t had any heartache. To bring 10 million square feet into one system in a matter of weeks was incredible to me.”

Doug Anderson  
Davis School District Energy Programmer

“Working with Utah Yamas Controls is great,” said Doug Anderson, Energy Programmer for Davis School District. “Jarrod Curtis and Kevin Dyreng are smart guys and they have really helped guide us to get to where we need to be in terms of cutting-edge functionality and cost.”

SmartStruxure solution, powered by StruxureWare Building Operation software, enables Davis School District to manage, monitor, and control all of their buildings on a single system, including 340 portable classrooms.

Using standard open protocols such as BacNet®, LON®, Modbus®, and Web Services, the district can now provide anytime, anywhere access to end-users, including custodians, principals, and teachers. This is helping save energy in the summer months by enabling year-round employees to remotely turn their air conditioning on/off via their existing self-service system, where staff already access to things like payroll. This remote access ensures the system is only running when it needs to rather than cooling unoccupied rooms.

Day-to-day operations and analysis have become significantly easier with new SmartStruxure solution features such as drag-and-drop trending, watch windows, calendar-like scheduling, and one-click reporting. If something does fall out of the programmed optimum range, the system requires users to acknowledge the alarm, follow a checklist, and complete cause notes to ensure proper procedures are followed. SmartStruxure solution can automatically send email alarms to specific staff who can then access the system via a mobile application to diagnose and even fix the problem remotely for minimum disruption.

SmartStruxure solution is also becoming part of the educational experience. An interactive touchscreen in the lobby of newly built Centennial Junior High School in Kaysville, UT, visualizes the amount of energy the building is using in real-time. Teachers can also access this information from their classrooms as a learning tool. This real-time access is featured in all schools, including an elementary school that will be a net-zero ready facility when it is completed in the 2013/2014 school year.

Utah Yamas Control and Schneider Electric are proud to be trusted business partners of the Davis School District. Their focus on energy efficiency and need for cutting edge functionality made them a perfect candidate for transitioning to SmartStruxure solution.

SmartStruxure solution solved many of the challenges the district faced, including integrating many disparate systems, updating aging facilities, accessing the latest technology, and being able to analyze data from across their district to ensure continued energy efficiency.

### Screen Shot of Dashboard



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