



Pasco County is the seventh largest school district in Florida and 80th largest in the country. One of the newest schools in the district, Wesley Chapel Elementary has 40 classrooms and several specialized rooms for 724 students.

A lot of companies promise system integration. But who can you trust to do it right?

## Case Study: Wesley Chapel Elementary School, Wesley Chapel, FL

Delta Partner:  
Advanced Automation Systems, Inc.

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604-574-9444 or visit  
[www.deltacontrols/testimonials.com](http://www.deltacontrols/testimonials.com).

**Unique problems to solve:** Pasco County is one of the most energy efficient school districts in the state. Wesley Chapel Elementary had specific building control criteria that needed to be met to meet demanding energy goals. The county is located in one of the most active lightning strike areas of the country. Power surges or outages are not uncommon.

**System solution:** The project consisted of 15 multizone air handlers with electric reheat in each zone, along with multiple recovery units to precondition the outside air. The central plant consists of two air-cooled chillers and two circulation pumps. The Delta Controls system also controls/monitors multiple hot water heaters and exhaust fans. Because lightning is prevalent in the area, all communication wiring between the seven buildings was done in fiber optics. A complete BACnet® system allows the school the freedom to choose any vendor or line of products in the future.

**Results:** According to Mike Woodall, Facilities Specialist and Energy Committee Chairman of the District School Board of Pasco County, most building control companies offer a canned solution that schools have to adapt to. By using Delta Controls, Advanced Automation was able to adapt a system solution to Wesley Chapel's strict guidelines for temperature and humidity controls, warm up and cool down, ventilation and energy recovery. Said Mr. Woodall, "We live in what's said to be the Lightning Capital of the country. Our system has been rock solid. We've never had a problem, have never lost any boards or controllers. It's been extremely reliable."