
Osceola School District

Kissimmee, Florida · School District · System Integrator: Jack Joyner Heating & Air Conditioning



THE CLIENT

Celebration School and Gateway High School are two campuses in Florida's Osceola School District — the first in the district to be retrofitted for open, multi-vendor control. The project won Best Multi-Vendor Installation at a leading open-control industry conference.

THE CHALLENGE

Both schools ran on closed, proprietary systems that limited expansion and frustrated maintenance staff. The district wanted an open platform with seamless single-network integration and room to expand — with a key requirement that teachers regulate classroom temperature without wall thermostats prone to student tampering, all while keeping the system simple to operate and maintain.

THE SOLUTION

The fully integrated, open-protocol solution delivered by Jack Joyner Heating & Air Conditioning gave the district a seamless, expandable network. By integrating existing equipment and using the existing Ethernet as a communication backbone, the schools realize significant annual energy savings while improving overall comfort.

Individual classroom temperature is controlled through password-protected web pages built into the network, letting teachers manage comfort from their desktops and eliminating student tampering. The school board has since established Circon as the standard for all schools in the district.

HIGHLIGHTS

- Award-winning multi-vendor open-control retrofit
- Teachers set classroom temperature from secure web pages
- Single-network integration over the existing Ethernet backbone
- Significant annual energy savings with improved comfort
- Eliminated student thermostat tampering
- Adopted as the district standard for all schools
- Circon VAV, air-handling and chiller-plant control
- A flexible, expandable design

SYSTEMS & COMPONENTS

- 62 Circon programmable HVAC controllers
- 152 Circon terminal-unit VAV controllers
- 133 Honeywell Excel 10 VAV controllers
- 35 ABB variable-frequency drives
- 31 IP web servers
- Raytheon fiber-optic modems

Efficient Building Automation Corp. (EBAC)

7495 132 St #1004, Surrey, BC V3W 1J8

(604) 503-4404 · sales@circon.com · circon.com

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