

Red Clay Consolidated School District

New Castle County, Delaware



SEIBERLICH
ENERGY SERVICES **TRANE**



Red Clay Consolidated School District (RCCSD) is the largest school district in the state of Delaware consisting of 26 buildings and serving over 15,000 students. In 2015, RCCSD completed an update of their building automation system (BAS) at all schools as part of an energy savings project with Seiberlich Trane Energy Services.

While the BAS was well maintained, by 2023 some system components reached obsolescence and would no longer be supported by the manufacturer. RCCSD worked with Seiberlich Trane Energy Services once again to do a hardware and software upgrade to all their facilities with minimal disruption to the schools.

The BAS project included modernizing UI graphics, replacing all obsolete hardware controllers with the newest generation, updating software to the latest, most secure version, and upgrading the server used by the school district to manage the entire system.

Now complete, the BAS upgrade provides the school district visibility into all of their buildings' operations through a state of the art and secure system.

Project Objectives

- Modernize HVAC control systems
- Increased cybersecurity
- Upgrade BAS hardware and software

Building Automation System Installed

- Installed state of the art controls hardware
- Deployed latest generation Niagara BAS management software
- Integration of 26 buildings
- Upgraded 28 JACE controllers to N4
- Over 70,000 data points

Project Results

The project is expected to increase overall reliability through:

- Expandable BAS for next generation products
- Non-proprietary BAS
- Increased system reliability
- Increased system security

“Red Clay is fortunate to have had a central building controls system connected to all of our schools for many years. After Seiberlich Trane Energy Services performed this upgrade, we moved from what felt like dial-up to 5G. Everything is smooth and fast. We are glad we made this upgrade.”

Marcin Michalski
Director of Facilities and Maintenance

