

CASE STUDY

Weatherford Independent School District

Thirteen School Installation

Challenge

In 2016, Weatherford ISD (WISD) required an innovative solution to upgrade their existing, end-of-lifecycle control systems as control components were failing, replacement parts were expensive or not available, and bond projects were not planned to immediately address functional needs. The goal of the project was to have one control system interface with an open architecture platform. The budget would not support a complete system replacement however, the challenge remained to have one user interface.

The requirements were an HVAC and lighting control solution that could integrate into an existing proprietary control system. A phased solution to existing system replacements was required to match district budgets, and support bond project additions while keeping schools comfortable and functioning.

Solution

After extensive research of the proposals, WISD chose Logical Solutions, Inc. (LSi) as their EMS solutions partner based on the best overall value provided to the school district. The solution was to implement our BACnet Advanced Work Station (B-AWS) by Automated Logic combined with our Tridium/JACE product lines. The combination of our industry leading B-AWS with our JACE solution products allowed integration into previously proprietary energy management protocols. Tridium's JACE hardware/software platform allowed older existing system to be converted to BACnet, then to be supported and controlled via one B-AWS user interface. At the same time, new bond construction projects were being supported with Automated Logic Advanced BACnet controllers for new HVAC and lighting equipment into the same B-AWS.

Together, the controls renovation team created a 13 school project master plan to address, schedule, and prioritize the integration and construction projects. The goals were to maximize timely installation of products and avoid all school interruptions in an effort to leverage new system technologies.

Result

Thirteen schools installed on time and under budget with minimal system down time. New control system hardware and software that allows Weatherford ISD to utilize on B-AWS to support critical HVAC systems. System infrastructure is stable and able to be accessed by more WISD support staff to provide a learning environment that meets the district's expectations.

As a result, Weatherford Independent School District has a comprehensive path to future system upgrades with a system support mechanism based on performance and execution.