

Campus Minimizes Risk Case Study

NEXA AT 1,100-ACRE CAMPUS MINIMIZES RISKS AND PRESERVES OPERATIONS

Context

To prevent future incidents and ensure the safety and smooth operation of their campus, a prestigious preparatory school elected to install the Nexa system, implementing two temperature sensors in remote locations across their sprawling, 1,100-acre campus.

The boarding school faced significant challenges when a pump failure went undetected for two days, leaving some buildings without hot water. Nexa was installed to monitor remote locations across the facility to preserve seamless, year-round operations.

Data

Nexa alerted the campus of sudden temperature drops which allowed the maintenance staff to resolve the issues prior to affecting operations.

On January 14th, Nexa's monitoring capabilities detected a sudden temperature drop in the school's chapel boiler room. Prompt investigation by the maintenance staff revealed a blown transformer, a potentially dangerous situation that could have gone unnoticed for days without Nexa's alert system. By swiftly identifying the issue, the maintenance team averted more extensive damage and costly repairs.

Similarly, on January 27th, Nexa detected a temperature drop in the school gymnasium boiler room. Investigation revealed an inadvertently adjusted thermostat, a situation that could have led to frozen or ruptured pipes in freezing weather conditions. Thanks to Nexa's alert, the maintenance staff proactively adjusted the thermostat, preventing any further complications.

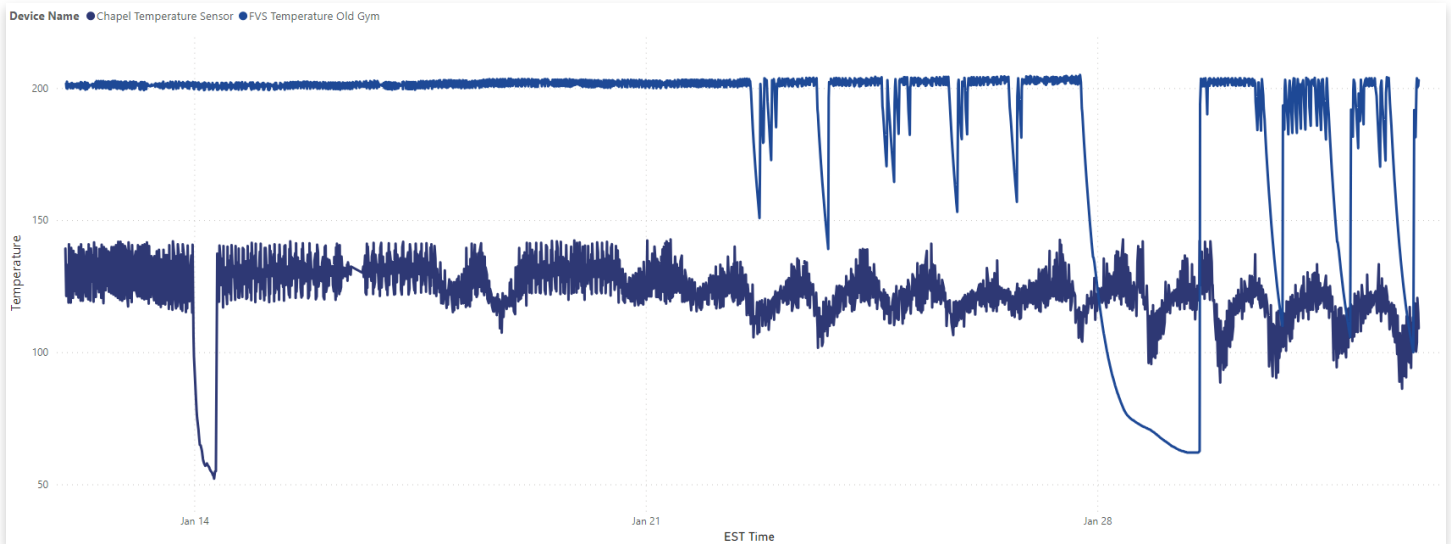


FIGURE 1 – TWO LOSS OF HEATING INSTANCES LESS THAN 2 WEEKS APART

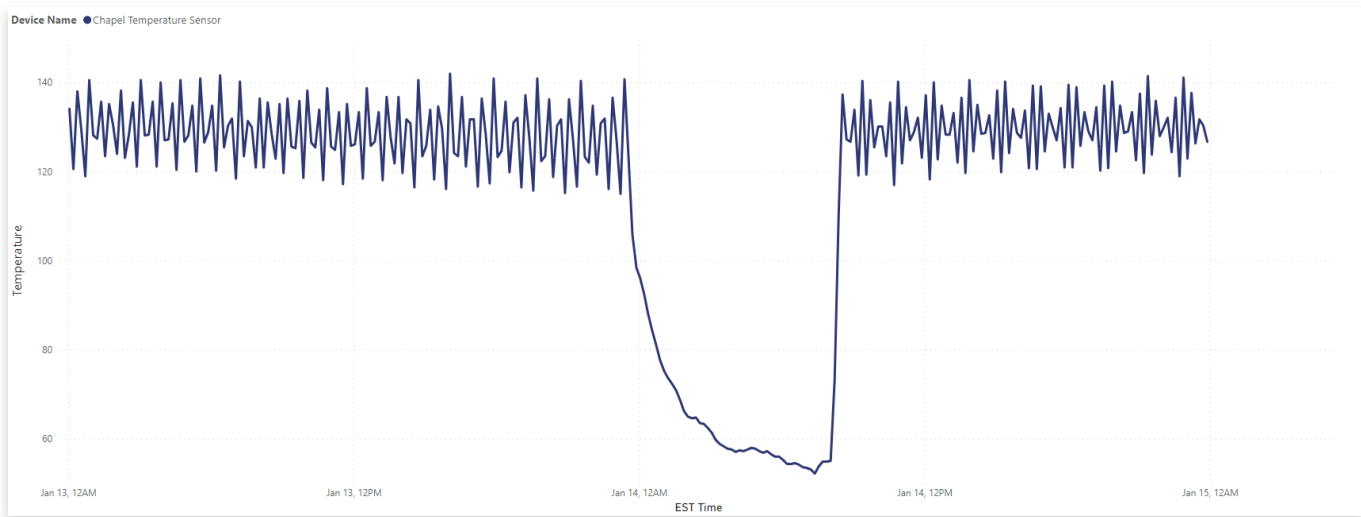


FIGURE 2 – SUDDEN AND UNEXPECTED DROP IN TEMPERATURE ALERTS MAINTENANCE STAFF OF CHAPEL BOILER SHUTDOWN

Insights

The Nexa system not only provided real-time alerts but also enabled proactive analysis and adjustment of system setpoints by the customer success team.

This proactive approach allowed the maintenance staff to swiftly identify and address irregularities, ensuring the campus's safety and operational efficiency.

Action

Upon receiving alerts from Nexa during non-operating hours, the maintenance staff had ample time to address and rectify the issues before the school opened for students.

This timely response prevented potential dangers, such as school closure or long-term power outages, particularly critical during the colder winter months.

Value

The Nexa system delivered immediate value by leveraging its monitoring capabilities to prevent costly damage and ensure the safety and comfort of students and staff.

By averting potential risks, such as blown transformers or frozen pipes, the campus avoided expensive repairs. The ability to maintain hot water supply prevented disruptions to school operations, ensuring a seamless learning environment for students and minimizing stress for families.

Ask how Nexa can assist you in ensuring uninterrupted hot water operations



by WATTS