



# WELLINGTON HIGH SCHOOL

## Full Mechanical Retrofit

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# INNOVATIVE DESIGN-BUILD SOLUTION TO ORIGINAL 1970'S FACILITY PROVIDES COMFORT AND ENERGY EFFICIENCY.

**Wellington High School is a 60,000 sq. ft. building that was built in 1970 supported only by heating and with no allotment for any cooling features.**

Air Force One was asked to provide a design-build solution that would offer an energy efficient system to generate both heating and cooling with an extremely limited budget. This project needed to be approved, financed and completed before the school year began.

- 1. INNOVATIVE DESIGN-BUILD:** A variety of applications including traditional systems along with an element of VRF (variant refrigerant flow) were utilized across the building. To optimize integration, each facet of the retrofit worked in concert with each other. This allowed the facility optimal comfort and effectively managed control and energy consumption. This was accomplished through two Tridium overlays that integrated three separate operational controls (VRF, Lennox RTU and Johnson field controls).
- 2. RESOURCE ADVOCATE:** The Wellington School District was unable to take on the cost for the needed system replacement. Air Force One was undaunted by this challenge and took on not only the role of solution engineer but also as advocate. With a well designed and engineered solution in hand, Air Force One identified a donor and then presented the need and merit of the project before negotiating for a full scale underwriting of the High School.
- 3. ON TIME RESULTS:** With only three months to complete the project and staff that needed to prepare for the upcoming school year, Air Force One's team had strict working parameters for this project. However, the team was able to complete the project successfully on time and to the school's satisfaction.

**“Air Force One deployed an extremely professional installation crew that worked through the space thoughtfully and diligently. This project...translates into much needed bottom line cost savings for the district. [We] are thrilled with this project from its engineered design to Air Force One's willingness to meet and exceed our expectations.”**

**-Tim Wulfoop WELLINGTON SCHOOLS**