

Ductless Application Provides Solution for School



This past year Allied Supply sold, started-up and supported a large Mitsubishi, City Multi system for a sizeable high school in the Cincinnati area. It was a design/build application where the end user thought they had to go with 50+ mini-split systems to cover each of the classrooms and office areas. Allied started with a walk through of the location and re-engineered the HVAC for the building with several City Multi simultaneous heat/cool R2 systems, together with all the bells and whistles, to show them the unique benefits of what all can be done with a VRF system and its high-tech controls.

After the client sent their proposal to the board for acceptance it went slightly over budget. Allied went back to the drawing board to value engineer several different VRF systems that would continue to cover the loads and special zones, while still meeting their needs throughout the different seasons.

The building's design was a three-level school that had due North/South exposure with walls of windows all along the perimeter. Allied ended up designing around the City Multi Y-series heatpump systems, with an outdoor unit for each floor on the North side and each floor on the South side, to provide the best zoned-control in the building. Allied then added stats for each indoor unit and a single centralized web-enabled controller to monitor each of the now (7) VRF systems they have on site from any location.

The end user and contractor are both quite happy with their new VRF energy efficient systems and with how easily they were installed. Based on their experience, future plans now call for finishing the gym, cafeteria and other areas with City Multi in the coming year.