



## *Kent State University - Ashtabula Campus*

A 14,000 sq. ft. wing of the second floor of the Kent State University Ashtabula Campus was remodeled over the 2011 summer break and completed in the fall of 2011. The project build-out consisted of converting the spaces from existing science classrooms to new science lab and general classrooms and offices. At the center of the remodeling was a new student lounge, with a geometric open ceiling concept, creating a unique area for the students.

The HVAC system serving the project area is an existing high pressure dual duct system. Since the existing air handling unit was in good condition and served multiple floors of the "A" wing, the decision was made to keep the unit intact, and rework the ductwork and terminal units as required to accommodate the new floor plan.

New pressure-independent variable air volume and dual duct terminal units were installed. Extensive rework of the ductwork was required, and careful coordination with the light fixtures was needed to insure that the required ceiling heights could be maintained. Each classroom has a thermostat for individual space control. Since the offices are all interior to the building, several offices were grouped on one thermostat to control costs.

A new building fire water service was brought into the building. Piping was routed to various wings of the building and capped for future extension. The service was sized for the entire building, and piping will be extended as additional areas of the Main Hall are renovated.

HEI Engineering Group recently completed a design for the Ashtabula Campus Tech Building that is under construction and is scheduled for completion in early June. The Tech. building will contain the campus bookstore, business offices and maintenance storage and work areas.

