

BASiX Automation Integrators

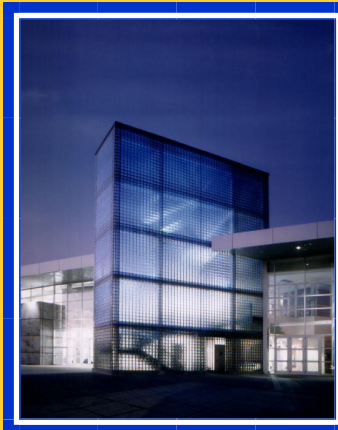
University of New Hampshire

Founded in 1866, the University of New Hampshire, nestled in the woodlands of New Hampshire's rural seacoast in Durham, is a public university serving an undergraduate population of 10,500 students. Recognized as one of the nation's leading research universities, UNH has also received national accolades for energy efficiency. In fact, the U.S. Department of Energy recently recognized UNH for being in the top 5 percent of energy-efficient research universities in the country! The D.O.E.'s Oak Ridge National Laboratory surveyed 180 colleges and universities, according to Jim Dombrosk, Energy Manager for the UNH campus. The survey was the first of its kind and based on the survey data, UNH saved more than \$4 million in energy costs over the last year. This dollar amount probably came as no surprise to Dombrosk, dubbed UNH's Energy Coach. He and his team have parlayed decades of energy-smart measures into becoming a leader in energy efficiency. These energy-savings efforts have included lighting change-outs, motor replacements, control system upgrades, and energy awareness programs for the maintenance and operations staff, students, and faculty.

UNH is one of BASiX oldest customers, having been a loyal end-user since 1981. Local Andover Representative, BASiX, of Hampton, New Hampshire has worked very closely with the University over the years from the initial installation of an AC256 system, Andover's first generation product family, to Andover's Infinity system with its high-speed, campus-wide Ethernet networking in 1992, to Andover's newest generation of Continuum™ high-powered, modular controllers and Windows NT front-end workstations, in 2001. And with each new Andover generation, UNH enjoyed the benefits of backward compatibility to the previous generation.

Today, the Andover system at UNH has expanded to several thousand points performing direct digital control in over 40 campus buildings. Along with HVAC and lighting control in classrooms, residence halls, and office buildings, the Andover system also controls and monitors equipment in the central steam and hot water plant, plus several unique applications including ammonia level monitoring at the ice rink and fume hood control in the research labs.

Critical Lab Control Provides Safety and Savings- Because of the environmentally sensitive materials used in UNH's research lab facilities, control of fume hood exhaust and lab ventilation is critical. In the Environmental Technology Building, Andover Continuum provides two-level (occupied/unoccupied) control of the lab airflow by integrating the ventilation system with the lighting system. This results in substantial energy savings during unoccupied periods due to reduced outdoor air requirements. In the Rudman Biological Science Center, BASiX has completed a test installation replacing an obsolete VAV lab control system with a combination Continuum/Infinity system. The Andover system integrates with a new TSI fume hood system via a Modbus driver. Each fume hood is controlled to maintain 100- feet-per-minute exhaust velocity regardless of the position of the sash. The Andover system controls the lab's VAV air system to match the air exhausted by the fume hoods, thereby minimizing energy consumption while maintaining safety. Dombrosk says although his group is still evaluating the lab system's performance, test installation has been successful to date and they are considering future replacement of all the existing, obsolete lab controls with the Continuum/Infinity solution.



235 Heritage Ave.

Portsmouth, NH 03801

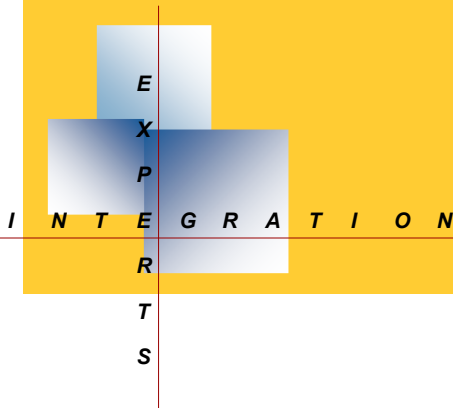
Phone: 603 610-6900

Fax: 603 610-6909

Web: www.basixai.com



Customer Profile



Durham, New Hampshire

