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University of Missouri – Rolla
Rolla, Missouri

Havener Center

The Havener Center on the University of Missouri – Rolla campus is not only a state-of-the-art Student Union Center, but also the focal point of the entire campus. The 100,000 square foot facility is the community center of the campus and serves students, faculty, staff and guests with programs, activities and facilities that complement the educational experience at the University of Missouri – Rolla.

With students utilizing the building 24 hours a day, it was essential to provide safe, secure access to the building with the necessary lighting and door control as well as temperature control. CTS expanded the existing Honeywell Building Automation System located in a different building. This system not only controls the temperature in the new Havener Center, it ties into the lighting system through a BACnet-compatible interface that resides at the Havener Center. Specifically, the Honeywell BACnet Point Server at the Havener Center communicates to the NexLight BACnet gateway and sends the data to the existing Honeywell EBI server located in a different part of campus. The doors are controlled through the Building Automation System as well, interfacing through the new Access Control System installed at the same time. The new Honeywell LNS Point Server communicates with the new Honeywell temperature controls located in Havener while it is located on the EBI server machine. The new Havener Center EBI Client machine, BACnet devices and EBI server all share their information using TCP/IP.

System compatibility is a top priority to the University. Senior Staff Engineer, Clarence Gregory, explained that the University has a goal to stay away from proprietary products. James Packard, Assistant Director of Facility Operations for the University, stated that this was a first step in setting the campus-wide standard for safety within buildings. It was vital that systems met ASHRAE standards and were reliable. Students are busy and active 24 hours a day and the building has to support such activity. This type of system now sets the standards for all buildings on campus.