

Case Studies

Industry: Higher Education	Application: Remote Environmental Monitoring
Customer: Bowling Green State University	
Location: Bowling Green Ohio	
	
<p>About The Customer: Bowling Green State University (BGSU) provides state-of-the-art IT facilities to support the work of both faculty members and students. The university's libraries are linked to the resources of all major colleges and universities in Ohio, and can locate materials worldwide. BGSU's comprehensive computing facilities include 30 instructional labs located across campus. Every residence complex has its own computer lab, and all residence hall rooms are wired for high-speed connection to the university's computing network, including e-mail, the Internet, and library resources.</p> <p>The Need: BGSU needed a method to monitor the environmental in networking equipment rooms in over 50 locations throughout their campus. In addition to having time, resource and budget limitations; BGSU's IT professionals must also contend with managing highly distributed networks and the problems associated with aging building structures, faulty heating and air conditioning equipment, and IT equipment being housed in less than optimal environments.</p> <p>Further, security was also paramount with students, instructors, maintenance personnel and others having easy access to unsupervised computer labs, equipment rooms, etc.; Thus keeping IT equipment secure is a huge task. When you combine all of these issues with inconsistent physical environmental conditions (i.e. power consumption, temperature, humidity, airflow, etc.) maintaining network availability and keeping IT equipment up and running 24/7 can be next to impossible.</p> <p>Solution: After consulting with BGSU, Mainline recommended a monitoring solution that would allow their IT management to monitor the critical environmental conditions utilizing the Netbotz Central Software and Rack mountable monitoring appliances.</p> <p>Ability to reduce network and equipment downtime using a pre-emptive notification system that warns personnel of IT environment, equipment or network problems before they can cause damage. Further, ability to improve response-to-resolution times by monitoring and troubleshooting issues from a web browser were very important to BGSU and Netbotz filled the bill.</p> <p>Why Mainline: Bowling Green State University found there was a cost-effective answer with NetBotz through Mainline.</p>	

