

# BRIDGEWATER CASE STUDY



## *Presidio Provides Expansion of Wireless Network*

### PROJECT FACTS

- 450+ wireless access points
- Cisco Clean Access implemented to ensure policy compliance and simplify Network Admin Control
- Cisco Airspace utilized to address building construction degradation
- Bridgewater was ranked #6 in Intel Corporation's 2nd Annual "Most Unwired College Campuses" survey of the greatest wireless Internet accessibility

With approximately 9,000 students, Bridgewater State College is not the largest college in Massachusetts, but it certainly is one of the most technologically advanced. Bridgewater State was ranked 6th in Intel Corporation's 2005 Most Unwired College Campuses Survey. Bridgewater is one of the few colleges in America that is completely wireless, offering wireless capabilities both inside and outside across its 30+ building campus in Bridgewater, Massachusetts. Bridgewater is an early adopter of technology and currently has a wireless laptop requirement in place for incoming students. They have been developing its wireless network for many years, and the school has been successfully utilizing Voice over IP communications for more than 2 years.

### THE IMPLEMENTATION

The time had come for Bridgewater to upgrade their wired and wireless network infrastructure. This was no small task, and it required that the entire network addressing scheme be changed. Security was also an important concern for Bridgewater's network administrators. With more than 6,000 active users, Bridgewater requires a comprehensive authentication process to ensure the integrity of its network. Presidio Networked Solutions was able to provide network authentication and compliance by implementing Cisco Clean Access. It is a proven Network Admission Control product that allows network administrators to authenticate, authorize, evaluate and remediate wired, wireless, and remote users and their machines prior to allowing users onto the network.

Presidio provided a plan to first verify the identity of the user and then ensures that the client machine is compliant with required anti-virus, anti-spam and OS security patches. If the machine fails to comply, it is quarantined from the network until the compliance issues can be resolved. Presidio also implemented a guest user authentication process to provide limited access to network connectivity for visitors to the Bridgewater campus.

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Presidio's network solution that was installed to meet Bridgewater's demanding needs included Cisco Catalyst 6500s in the network core, Catalyst 3750s in the edge wiring closets, Cisco Airespace wireless products and the Cisco Clean Access Security Solution. Presidio also offered services including pre-sale support, product installation and project management for the entire project. This significant project was put out for bid to several qualified Cisco Authorized VARs. Price was certainly an issue, but it was not the only concern. "Presidio Networked Solutions had a proven track record working with Bridgewater on other network infrastructure projects," said Patrick Cronin, Associate VP of Technology, Systems and Networking, at Bridgewater State College. "They did a fine job of supplementing our IT staff on this significant infrastructure upgrade."

## PROJECT MANAGEMENT

The Total Success Methodology is based on the Project Management Institute's Project Management Body of Knowledge, the world's most comprehensive quality project management practice. Presidio manages every IT project through five key stages: plan, design, integrate, operate and optimize. Every project, no matter how large or small, is carefully guided through these five stages and is overseen by a dedicated, professional project manager.

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Presidio Networked Solutions, the IT infrastructure industry's leading Value Added Solutions Provider (VASP), addresses the complete technology lifecycle - plan, design, integrate, operate, and optimize - for the enterprise, commercial and government markets. Presidio's comprehensive portfolio comprises Unified Communications, wireless, security, storage, and network infrastructure solutions. Presidio also offers customers an extensive range of financing solutions, including leasing.

The company represents leading technology innovators:

- Cisco Master Unified Communications Certification
- Cisco Master Security Certification
- Cisco Gold Certified Partner
- EMC2 Platinum Partner
- IBM Premier Partner
- NetApp Platinum Elite Partner
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