

# Project Profile

## Andover Controls Selected for *Sprint's* World Class Telecommunications Facilities



*"With the Andover system, we have eyes and ears at every central office switching site that never sleep."*

—Margaret Pitts  
 Manager, Building Management Control Center (BMCC),  
 Sprint

When *Sprint* called, Andover answered and provided this worldwide leader in telecommunications with the solution to their critical information requirements for central monitoring and control of their building systems across the United States. The *Sprint* project, done under a working partnership agreement with Andover Controls' Global Accounts Program, showcases Andover Controls' state-of-the-art communication capabilities utilizing *Sprint's* own network infrastructure for TCP/IP communications.

With the Andover system, front-end workstation operators based in *Sprint's* Kansas City Building Management Control Center (BMCC) are centrally monitoring and controlling numerous *Sprint* central office switching sites and Point-of-Presence (POP) sites located nationwide. These facilities house vital and highly sophisticated telecommunications switching equipment that must be maintained in a carefully controlled and secure environment. HVAC primary and back-up equipment, power monitoring, emergency generator and transfer switch status, underground fuel tanks, fire suppression and detection systems, and door monitoring are all under the control of Andover network controllers. T1 network communications between these central office switching sites and Kansas City provides workstation operators with instantaneous alarming and immediate access to critical real-time information. As a result, BMCC personnel can respond *immediately* to emergency situations that could potentially interrupt service to *Sprint* customers. The Andover system also allows BMCC personnel to coordinate service calls with preventative maintenance schedules, thereby reducing *Sprint's* technician call-out costs.

According to Margaret Pitts, Manager of *Sprint's* BMCC, "With the Andover system, we have eyes and ears at every central office switching site that never sleep."

Andover's in-house Global Engineered Services Group developed a custom user-friendly interface through the Andover front-end that provides BMCC personnel with alarm notification and easy access to critical information. After factory training, BMCC now maintains and enhances the system to meet their needs.

Key to securing the *Sprint* agreement was Andover's proven and extensive experience integrating alarm monitoring with HVAC control and security management for numerous telecommunications companies, including Verizon, SBC, and others.

Andover's Global Accounts Program was developed to meet the needs of large customer accounts that have multiple sites and/or buildings extending beyond a single regional territory. Under this program, Andover's Global Accounts Manager provides a single point of contact for *Sprint* to ensure they receive the full range of support services, including direct factory support, preferred product pricing, and training; and that *standardization* throughout each *Sprint*/Andover installation is maintained nationwide.

Margaret Pitts sums up the Andover/*Sprint* partnership this way: "*Sprint* wants the best state-of-the-art environmental monitoring and control system in the telecommunications industry. Our buildings and our networks deserve it. But most of all, our customers' protection *demand*s it. We needed a system as sophisticated as the facilities it manages. *Sprint* has long range goals—we feel Andover Controls can meet our needs when we get there."

Andover Facility Automation Representative Ben Ackley of *Thermal Components*, Mission, Kansas, who acts as project coordinator for *Sprint* installations nationwide, states, "The sophistication of Andover's WAN technology allows us to create a transparent communications architecture over *Sprint*'s network infrastructure. This means that all future sites can be easily connected to provide a single integrated solution for critical alarm monitoring at *Sprint*'s BMCC. In addition, any remote sites without network connectivity can be easily integrated into the Andover architecture via modem."

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**#PTE-SPRINT-D**

**PROJECT AT A GLANCE:**

**Project Type:**

Integrated

**Project Name:**

*Sprint*

**Location:**

National

**Market Segment:**

Telecommunications

**Number Of Buildings:**

100 Sites

**Total Square Feet:**

2,000,000 (12 to 30 sq. ft/bldg)

**Andover Equipment Installed:**

- 40 - NetControllers
- 17 - CyberStations
- 22 - CX 9200 network controllers
- 40 - NetControllers
- 7 - SX 8000 workstations
- 300 - SCX 920s
- 180 - LCX 810s
- 80 - LCX 800s
- 60 - ACX 780s

**Network:**

Ethernet TCP/IP over *Sprint*'s existing network infrastructure

**Applications:**

- Environmental alarm monitoring
- Temperature and humidity control
- Power monitoring
- Emergency generator and transfer switch monitoring
- Underground fuel tank monitoring
- Fire suppression and detection
- Door monitoring
- Card access control

**Total System Points:**

25,000

**Andover Controls Representative:**

Thermal Components & Andover Controls Global Accounts Program

