



Making Wireless an Indoor State of Mind



▶ The Childrens Hospital of Denver

Comprehensive Wireless Solution Delivers Campus-Wide Mobility to Patients and Clinicians



The Children's Hospital of Denver, a pediatric healthcare network and home to nationally and internationally recognized medical programs, sought to deploy a full range of wireless services throughout their new facility in Aurora, Colorado. With 1,130 pediatric specialists and more than 2,300 full-time employees providing pediatric care throughout a network

that includes 11 care centers and more than 400 outreach clinics, the hospital has consistently been ranked as one of the best children's care facilities in the U.S. for more than a decade. As a part of their expansion into a new, state-of-the-art facility in Aurora, Colorado, the hospital wanted to offer the latest in wireless technology to ensure reliable communications throughout the facility, in an effort to deliver the highest standards in patient care. The hospital wanted a cost-effective way to offer enhanced patient care through facility-wide cellular, two-way paging and public safety services.

As a not-for-profit medical center, it was critical that deploying a non-disruptive wireless infrastructure be as economically feasible and future-proof as possible. Additional costs relating to the deployment of parallel networks, post-installation forklift solutions, network overhauls and costly service add-ons were not an option. In addition, connecting patients, caregivers, professionals and administrators in the 10 story, 1.5 million-square-foot facility had to be seamless and unobtrusive.

The Solution

The MobileAccess Wire-It-Once™ architecture allowed for the hospital to reliably plan for the future – adding services where ever and whenever they were needed, without interrupting existing services. The solution also proved scalable, allowing the hospital to quickly support multiple wireless services in additional buildings, with ease, avoiding the investment burden of purchasing additional head-end equipment. With a modular design that contains all active network components in readily-accessible telecom closets, the hospital could avoid disruptive new installations impacting operations, as they planned to make their entire campus fully mobile in the future. Lastly, the hospital realized that one cabled infrastructure could support multiple services, operators and technologies without the need for additional cable runs and parallel networks, making the solution very cost-effective. This improved the feasibility of providing campus-wide coverage and deploying innovative new services, throughout the entire hospital campus.

The Company

Private, not-for-profit pediatric health-care facility in Aurora, Colorado. Hospital ranked as one of the best children's hospitals in the United States, for more than a decade.

Challenges

- ▶ Connect 1,130 pediatric specialists and 2,300+ employees with wireless coverage across a 1.5 million square-foot-foot, 10 story facility
- ▶ Support multiple operators, including: Cingular, Sprint, Verizon and T-Mobile
- ▶ Cost-effectively enable future services without disruptions and network overhauls

Benefits

- ▶ Scalable, Wire-It-Once™ architecture provides complete campus mobility by 2007
- ▶ Modular design offers a flexible, multi-service solution that supports current needs and emerging technologies
- ▶ Single platform enables cellular, email communication, two-way paging and emergency radio over one infrastructure

Today, with the MobileAccess solution, Children's Hospital is able to bring real-time mobile computing and voice and data capabilities to clinicians, specialists, researchers and employees who can optimize patient care by reviewing patient data from anywhere, without interruptions. "As one of the leading children's hospitals in the country, we are continually looking for ways to support clinical and IT workflows and we firmly believe that wireless is critical to improving efficiency, productivity and care," said Jim Turnbull, Senior Vice President and Chief Information Officer, Children's Hospital of Denver. "As we prepare to move into our new facility, we want to ensure that physicians, staff, as well as patients and their families, are able to stay connected and have instantaneous access to information no matter where they are in the hospital. At the same time, we need to ensure that as an organization we are able to adapt to meet future operational requirements and challenges. The MobileAccess Universal Wireless Network helps us meet all of these needs with reliable, flexible support for the wireless technologies that are driving healthcare today."

With the MobileAccess Universal Wireless Network, existing and emerging wireless technologies, services, devices and requirements are simultaneously supported with one universal network providing complete wireless coverage. Existing and additional campus locations can gain mobility with ease and the solution is both cost-effective and non-disruptive. With MobileAccess, wireless mobility for healthcare is truly an indoor state of mind.

About MobileAccess

MobileAccess Networks is an enterprise wireless innovator that provides a universal platform for connecting the people and applications that drive business. The company's intelligent, in-building infrastructure solution is the key to mainstream wireless connectivity in hospitals, office buildings, public venues and other large-scale facilities. The MobileAccess Universal Wireless Network delivers business-quality performance, scalability, security and signal reliability to more than 1000 customers, including Aladdin Resort and Casino, ALLTEL Stadium, American University, Clarian Health Partners, Hearst Corporation, Lehman Brothers, Northwestern Memorial Hospital, Oakland International Airport, SeaMobile and The Homer Building. For more information, visit www.mobileaccess.com.

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