

Real Customers... Real World Solutions

ADC provides wired and wireless voice and data communications solutions for all types of public and private venues. We offer solutions to improve your staff responsiveness, support safety and security in and around your property, improve your guest experience, and simplify your infrastructure through resource consolidation. ADC's wireless, connectivity, and services support complex communications needs for your facility or entire campus.



Dolphin Stadium – Miami Gardens, FL

Deployed on time and on budget for the 2007 league championship, ADC's InterReach® in-building system provided service for as many as 15,000 simultaneous callers at the height of the game's action throughout the 1.4 million square foot, 75,000 seat stadium. The system had 75 remote antenna locations and the world's leading multi-carrier indoor cellular coverage system exceeded the performance targets. Dropped calls decreased 75 percent at the peak hour (8 PM EST), the system carried 36 Erlangs—nearly as much as a busy urban macro cell site carries in a month.



Borgata Hotel Casino and Spa – Atlantic City, NJ

The Borgata Hotel Casino and Spa is Atlantic City's newest and largest hotel in more than a decade. This \$1.1 billion destination facility resort features over 2,000 luxurious guest rooms and suites, with floor-to-ceiling windows and panoramic views of the ocean and bay. The Borgata had ADC's wireless coverage systems installed so that visitors and staff would benefit from exceptionally clear wireless communications coverage in the 1.2 million square feet of this spectacular venue. Quality and reliable wireless communications were key to delivering responsive customer service, improving staff efficiency and offering exceptional guest experiences throughout the facility including the 161,000 square foot casino, 14 restaurants, shopping arcade and the 2100 seat theaters.

CASE STUDY REVIEW





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Mary Kay Headquarters – Dallas, TX

Mary Kay is the world leader in direct-sales cosmetics, with revenue of more than \$2.4 billion in 2007. Based in a stunning 13-story, 790,000 square foot corporate headquarters in north Dallas, Texas, the company manages its international operations with an increasing reliance on mobile communications. The company found that spotty cellular coverage inside the building was impeding productivity. They needed a system that delivered clear and reliable connections all the way from the top floor to the underground garage.

A micro base station was installed in the facility's network operations center to feed RF through an ADC InterReach Unison® in-building system. The in-building distributed antenna system (DAS) delivered RF over Category 5 cable to 80 remote antenna locations to provide pervasive coverage.

From the moment it was activated, the in-building system began delivering results. Dropped calls and dead spots disappeared, and employees found that they could be more effective and do what they needed to do without having to stand in one place for a strong signal.



Heathrow Terminal 5 – London, UK

Enough optical fiber to go around the equator, four thousand kilometers of copper data cabling, 4,000 patch panels and 55,000 outlets spread over a site the size of more than 280 football fields (roughly 18 miles); Heathrow Terminal 5 is one of the largest airport building projects of our time—doubling the size and capacity of Heathrow making it the world's busiest airport by 2011, accommodating 90 million passengers annually.

The result is now up and running: ADC's total networking solution, based on its TrueNet® structured cabling system, combines copper and fiber connectivity with best of breed cable management products. It facilitates a range of data and voice applications, covering everything from supplying the data for passenger information displays, check-in desk computer systems and baggage handling security, through to point-of-sale units at the terminal's planned extensive retail and hospitality outlets.



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Mapco Express, Inc. – Brentwood, TN

Anticipating expansion in the number of convenience stores operated by the company, this same “ease of use” commitment was a key driver in design of the LAN and data center for the company’s new headquarters building. MAPCO executives expressed concern about managing the network going forward. Pointing to the existing cramped data center, a key requirement was to ensure that both the LAN and data center would not only accommodate routine changes but also easily scale for growth at the headquarters building. As with the stores, MAPCO wanted its corporate data center neat and orderly so that any voice or data circuit in the building could be easily identified. The new network for the MAPCO headquarters building included roughly 600 drops across the two-story building supported by one data center with open relay racks segmented by voice and data services. All passive network infrastructure products from the data center to the work areas were from the ADC portfolio of TrueNet® structured cabling solutions—TrueNet Category 5e for voice and TrueNet Category 6 for data, each carrying a 20-year application assurance warranty from a single manufacturer.

MAPCO is proud of the final product, a data center that remains functional due to attention to the details of cable management.



Denver Children’s Hospital

The new Children’s Hospital features 270-beds and occupies approximately 1.44 million square feet. The cabling infrastructure for the new facility features three entrance rooms, a 2,500-square foot main cross-connect, and a 5,000-square foot main data center. Throughout the facility, 47 IDFs are home-run to the data center with a redundant link to the main via a 10-gigabit Ethernet collapsed fiber backbone to handle simultaneous traffic at full speed. Each IDF is connected with 48 strands of ADC’s singlemode fiber for new equipment and 12 strands of 50-micron multimode fiber to support legacy equipment, totaling nearly 3,000 strands of fiber. In the main cross-connect and data center, ADC’s FiberGuide® Management System was installed which supports the fiber overhead and physically separates, protects, and routes fiber while ensuring that a two-inch minimum bend radius is maintained throughout.

Over 6 million feet of TrueNet Category 5e provides over 20,000 connections to support all the low-voltage systems throughout the facility, including network and Internet access, VoIP telephones, access control, video surveillance, monitoring systems, wireless network access, wireless voice, and more.



Shands at the University of Florida – Shands, Florida

Shands at the University of Florida is a leading referral medical center with over 500 physicians representing 110 medical specialties. The hospital is twelve stories high and is comprised of over 1.2 million square feet. Shands wanted to embrace wireless communications in a manner that not only facilitated high performance voice and data communications, but also mitigated interference concerns with medical equipment. ADC's extensive experience working in healthcare facilities allowed it to take on the challenge with practiced skill. Wireless service is now available to patients and staff in the operating rooms, pre-op, post-op, neo-natal, labor and delivery, nose throat and ear clinic, x-ray, patient rooms, children's ward, intensive care unit and cardiac care unit.



Nucor Corporation – Charlotte, NC

Nucor Corporation, the nation's largest recycler and manufacturer of steel products and a Fortune 500 company, recently expanded its North American Headquarters by retrofitting an existing 5-story building. With an aggressive short-term construction schedule, Nucor selected ADC's TrueNet® copper and fiber cabling and connectivity products for this expansion project. This was a complete turn-key installation of ADC's TrueNet copper and fiber products to each floor's Intermediate Distribution Facilities (IDF). ADC's indoor/outdoor rated fiber products were used to support a remote building and 10 gigabit CopperTen® cabling and patch panels within Nucor's data center to support active network equipment and servers.

No one understands quality and workmanship of products better than Nucor Steel. As a leading manufacturer of carbon and alloy steel products, Nucor wanted a quality and robust technology to serve their current and future voice and data requirements. Nucor sought a professional vendor with quality products and a solid network of partners for a world-class installation. Today, Nucor is very happy with quality installation and the ADC products that are in their network.



Website: www.adc.com

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080

Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101

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