



Making Wireless Work Indoors

Las Vegas Resort Improves Customer Experience by Providing Superior Wireless Communications Solution

The Company

- \$662 million resort located in North Las-Vegas offering 202 guest rooms and suites, 14,000 square feet of meeting, banquet and convention space and a 600-plus seat entertainment concert venue.

Challenges

- Enhance guest experience and improve staff productivity with reliable wireless coverage
- Support a wide array of wireless services and applications
- Support future wireless services without impacting the guest experience and hotel operations

Benefits

- Modular design enables easy expansion for new services and technologies such as 4G
- The network supports two-way radio coverage for first responders, making Aliante Station the first casino to meet the updated public safety codes for Clark County
- Single intuitive interface monitors and controls the entire system

Aliante Station

Aliante Station Casino and Hotel is a \$662 million resort located in North Las Vegas. Opened in November 2008, the hotel and casino boasts 202 guest rooms and suites, 6 restaurants and a food court, 14,000 square feet of meeting, banquet and convention space, Regal Cinemas' 16-screen movie theatre, the 600-plus seat Access Showroom entertainment concert venue, as well as an array of popular gaming choices, including traditional table games, a poker room, state-of-the-art race and sports book and slot machines.

Challenge

Aliante Station recognized early on that wireless coverage was a must-have amenity for guests, and a critical part of ensuring public safety communications was reliable in their facilities. Heavy construction materials used in most modern structures, including hotels, resorts and casinos, tend to prevent radio frequency signals from penetrating the building's core and impede signal propagation, resulting in weak or non-existent signal coverage in some or all areas of a facility. While guests, staff and employees both expect and rely on a wide array of wireless services and applications, the hotel could not support them without deploying the right in-building wireless infrastructure.

To address the problem of indoor coverage, many facilities respond reactively, deploying multiple, ad-hoc systems to support cell phones, Wi-Fi and public safety radios, etc. This fragmented approach creates significant financial and operational inefficiencies. Installing new wireless systems on an "as-needed" basis is costly and highly disruptive to normal operations. In addition, in the absence of a well-coordinated installation plan, there is a strong possibility of generating interference between separate wireless systems, which can significantly degrade signal performance.

Solution

To overcome these challenges and ensure reliable wireless coverage for a variety of wireless services and applications throughout the extensive hotel and casino, Aliante Station teamed up with MobileAccess and Sprint to roll out the comprehensive MobileAccess**2000** in-building wireless communications solution for its guests and employees.

Aliante Station's wireless system is a breakthrough solution from MobileAccess and Sprint Custom Network Solutions (CNS). The network makes Aliante Station the first facility in North Las Vegas to ensure support for all major telecommunications carriers, in-house two-way radios, wall-to-wall 802.11a/b/g Wi-Fi for VoIP all on a single Distributed Antenna Systems (DAS).

Bottom Line

The system's modular design also enables Aliante Station to seamlessly adopt new service technologies such as 4G, without the need for additional wiring projects or guest disruption. For Aliante Station, this scalability means that a single investment and one DAS installation will continue to yield benefits for years to come.

Furthermore, the network is built to support building-wide, two-way radio coverage for fire, police and other first responders, making Aliante Station the first casino to meet the updated public safety communications codes for Clark County and the city of North Las Vegas.

Lastly, the entire system is monitored and controlled through a single, web-based interface and network components are housed in easily accessible, highly secure wiring closets, where maintenance can occur if needed.

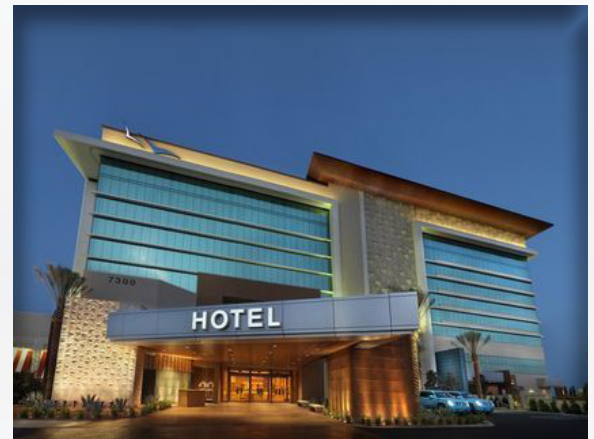
"The new infrastructure provides an added benefit to our guests by ensuring nearly continuous wireless coverage no matter what device they're using and it enables our team members to stay connected wherever they are in the facility", said Van Baltz, chief technology officer for Station Casinos.

"The multi-service DAS also puts Aliante Station at the forefront of public safety in Clark County by providing support for critical public safety cellular and radio operations," added Baltz.

For Aliante Station, the MobileAccess and Sprint solution is a cost-effective solution that delivers an entire portfolio of wireless services over a single, highly flexible wireless infrastructure. Guests and staff can rest assured that they will be able to use the latest wireless technologies and mobile devices as easily and reliably inside the world-class facility as they have come to expect outside. And in years to come, the hotel and casino will be able to deliver a world-class experience for guests.

"The Sprint and MobileAccess solution gives Aliante Station a competitive edge in a town full of high-tech resorts."

*Van Baltz, CTO,
Station Casinos*



For more information on the MobileAccess solution, visit www.mobileaccess.com.


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