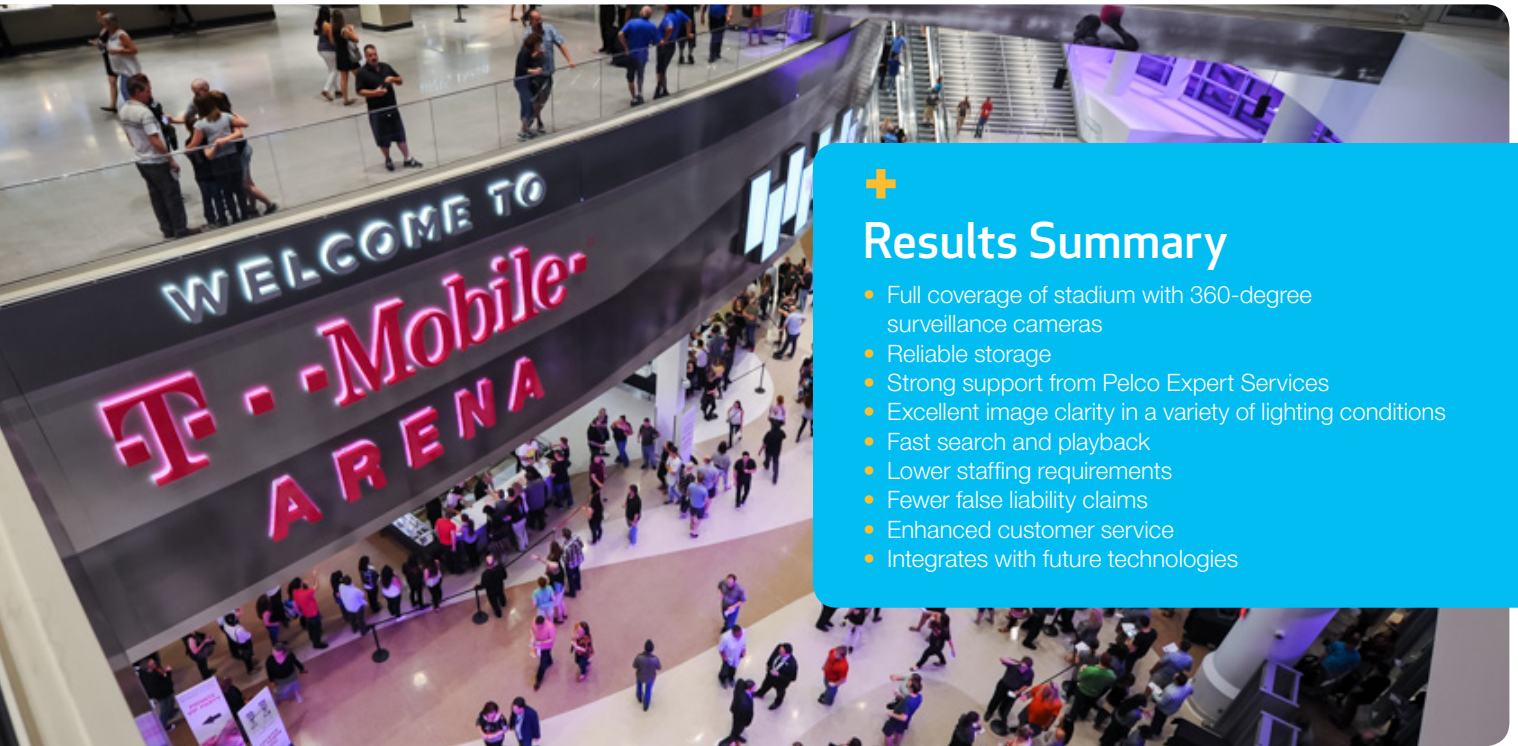


Case Study: T-mobile Arena



Results Summary

- Full coverage of stadium with 360-degree surveillance cameras
- Reliable storage
- Strong support from Pelco Expert Services
- Excellent image clarity in a variety of lighting conditions
- Fast search and playback
- Lower staffing requirements
- Fewer false liability claims
- Enhanced customer service
- Integrates with future technologies

T-MOBILE ARENA OFFERS UNCOMPROMISED FAN SAFETY AND SECURITY USING PELCO BY SCHNEIDER ELECTRIC VIDEO SURVEILLANCE SOLUTIONS



Customer

T-Mobile Arena, a joint venture between MGM Resorts International and the Anschutz Entertainment Group (AEG), opened on the Las Vegas Strip on April 6, 2016, with a concert by The Killers, Shamir and Wayne Newton. As the world's most automated and energy-efficient entertainment, sporting and concert venue, T-Mobile Arena partnered with Schneider Electric to design an end-to-end smart technology solution with a single, real-time view into all critical infrastructure systems. As part of its mission to provide a best-in-class entertainment experience for its 20,000 guests, T-Mobile Arena also invested in Pelco by Schneider Electric video surveillance and security solutions for uncompromised safety and security.

The Challenge

AEG and Schneider Electric have collaborated for years to design and implement sustainability solutions to boost efficiency, so it's no surprise that they came together again at T-Mobile Arena to create a complete building management system, including the Pelco VideoXpert video management system (VMS) and Pelco IP cameras for video surveillance. Pelco's end-to-end surveillance solution was chosen because it delivers the image quality, functionality and integration capabilities that T-Mobile Arena required in a cost-effective solution.



PELCO

by **Schneider** Electric

We've got it all covered.

Case Study: T-mobile Arena

The Solution

The T-Mobile Arena surveillance system incorporates a mix of 250 fixed Sarix IP cameras, Spectra PTZ dome cameras and Optera Panoramic IP cameras to cover the building's perimeter, Toshiba Plaza, the loading dock and marshaling yard, entrances and exits, and all interior public areas. Optera panoramic cameras were installed at prime locations within the stadium to provide operators with a seamless view of the entire area in a high-resolution image so officials can easily understand what's being viewed at any given time. Officials are also able to zoom in live to areas of interest within the 360-degree view.

The surveillance system is managed around the clock by a team of 14 security personnel using Pelco's VideoXpert VMS in the Network Operating Center, where six, 55-inch wall-mounted workstations display up to eight simultaneous video streams each. Using VMS storage, the Arena can create pools of up to six storage servers with failover and redundant recording services to store up to three months of continuous video surveillance. The cameras used within the Arena record at maximum resolution around the clock, which places a heavy load on the Pelco storage system, which has remained reliable.

Pelco Expert Services supported Schneider Electric, the system integration partner, during deployment to maximize installation efficiency and perform VideoXpert system configuration. "Pelco Expert Services have been onsite to ensure optimal system function and customer support," explained Craig Kodish, Account Manager, Pelco by Schneider Electric. "The Pelco engineer is very knowledgeable, dependable and quick to respond to any concerns," added Miramontes, who can focus on other aspects of her job knowing that the surveillance system is performing as required.

According to T-Mobile Arena management, the level of support offered has been exemplary. For instance, when the Arena's security team asked to test the camera's low-light performance, Pelco immediately invited stakeholders to the main office in Clovis, Calif., where they recreated a scenario with extreme distance and low light to assess system performance.



The Results

Superior image quality in extreme lighting conditions is important for T-Mobile Arena because the venue will host an average of 100 events annually, ranging from concerts to sporting events. Pelco Sarix and Spectra cameras use SureVision 2.0 technology, which combines advanced low-light capability, true wide dynamic range (WDR) and anti-bloom capabilities to provide industry-leading image quality. For many events within the Arena, artists require lights to be dimmed or the use of bright spotlights during performances, so the surveillance equipment must be able to capture clear images in any scenario, which Sarix and Spectra cameras deliver.

Most video management systems are complex and require a steep learning curve, but VideoXpert is extremely easy to use and intuitive, helping operators make fast, effective decisions during an incident.

Because VideoXpert allows users to fast forward and review video at 30 frames per second, T-Mobile Arena can sift through several hours of footage in just minutes. Users can also snap photos and tag incidents in live mode for easy review later on. The Pelco solution delivers faster review speeds, as well as advanced functionality, ease of use and superior image quality to save Arena management a great deal of time, ensure accurate identification and ultimately, boost the success of investigations. Using the equipment has also allowed the Arena to reduce operational costs by allowing greater coverage.

T-Mobile Arena has realized significant business benefits since deploying the Pelco system. For instance, management can now resolve claims using video data, ranging from a dispute between patrons or a customer service issue, with greater accuracy, significantly reducing the number and cost of potential claims.

T-Mobile Arena also uses the Pelco surveillance system as a customer service and training tool to assess employee conduct, and review proper service procedures and health and safety protocols. Managers can watch video of customer interactions in different scenarios to help find ways to improve the overall customer experience.

T-Mobile Arena is constantly repositioning existing cameras and adding new ones to ensure maximum coverage throughout the Arena, while also exploring the additional functionality of the software's capabilities. For example, management is also looking to integrate its access control system into VideoXpert for an extra layer of security in an effort to further boost venue security. The end-to-end solution from Pelco allows the Arena to achieve enhanced performance and reliability with significant savings in overall operational costs, which is critical to today's organizations.

