

Nothing but net: CommScope brings unmatched network connectivity to the Sacramento Kings' new basketball arena

Customer

Sacramento Kings

Country:

United States of America

The National Basketball Association's (NBA) Sacramento Kings wanted its new downtown arena to be an innovation showplace, where advanced technology transforms the fan experience completely. So they turned to CommScope to provide a leading-edge network that connects Kings fans to the game, to the team and each other like never before.

“The advanced connectivity system at Golden 1 Center demanded a comprehensive, seamless infrastructure. As a global leader in communication technology with deep large-venue experience, CommScope was able to customize a complete, integrated solution that delivers the ultimate game-day experience for Kings fans, and is future-ready for many more seasons to come.”

— Kings Chief Technology Officer Ryan Montoya



The nation's most connected sports and entertainment venue

When technology entrepreneur Vivek Ranadivé acquired the Sacramento Kings in 2013, it was clear that innovation would be part of the team's game plan going forward. It was no surprise when the Kings announced plans to build a new state-of-the-art arena in the heart of California capital's downtown and equip it with an unprecedented level of communications technology, enhancing their fans' game-day experience exponentially, the Sacramento Kings turned to CommScope.

The Sacramento Kings engaged CommScope for infrastructure design assistance and validation, including future proof concepts, next-generation data center models, and efficient installation implementation. The Kings Technology Team were committed

to delivering the most state-of-the-art entertainment complex, and turning to industry leaders like CommScope was paramount to their success.

From the day it opened in October of 2016, the \$558 million Golden 1 Center has set new standards for connectivity. The arena utilizes leading-edge technology to provide seamless and intuitive communication for 17,600 Kings fans from the moment they arrive at the arena to the final buzzer and beyond. To further the experience, the Kings are building an adjacent hotel and mixed-use complex, programming a connected public plaza, and developing a new Downtown Commons (DoCo) entertainment and retail district with consistent, reliable internet access.

The six-square-block complex boasts an unparalleled connectivity platform, an advanced and secure network infrastructure, and a next-generation command center.

More speed, more access points, more bandwidth

To deliver a best-in-class experience for its fans, the Kings deployed a cabling, networking and Wi-Fi access point infrastructure that consistently delivers the highest level of internet speed and availability to every fan. Wherever they are in the complex, no matter how many people are using the internet, all fans are provided quick and reliable Web access. Golden 1 Center's communications platform includes:

- More than 1,000 Wi-Fi access points — the highest density per fan for a sporting venue of its size
- In excess of one million square feet of Wi-Fi and cellular coverage 802.11 ac Wave 2 technology capable of delivering data at 100 gigabits per second and beyond
- 200-gigabit internet bandwidth

Golden 1 Center is also the first arena in the world to implement wide-band multimode fiber to effectively future-proof the arena. With an OM5 backbone that supports all of the services in the arena today, the Kings retain the capability to accommodate new technologies in the future without costly infrastructure upgrades.

“Redefining the fan experience begins with how we connect fans with the team, the arena, other fans and their personal networks. At the heart of it all is the robust network that delivers fast and secure connectivity to each fan in the arena.”

— Kings Chief Technology Officer Ryan Montoya

“CommScope helped create the backbone for Golden 1 Center to be the world’s most advanced arena. From an unprecedented Tier 4 data center in sports to the next generation connectivity through the entire campus, CommScope is helping us connect with fans like never before.”

— Kings Chief Technology Officer Ryan Montoya

Comprehensive connectivity, delivered by CommScope

The Kings selected CommScope as a major technology partner for their new arena based on the company's global industry leadership and previous experience developing advanced connectivity solutions for other major venues. In Golden 1 Center, CommScope delivered a comprehensive infrastructure that connects and supports virtually every communication and facility management function in the arena complex, including:

- 670 miles of TeraSPEED® ZWP single-mode fiber cabling for the network backbone
- 265 miles of SYSTIMAX® GigaSPEED® X10D copper cabling
- LazrSPEED® Wideband Multimode Fiber (OM5) cabling in the command center
- More than 3,000 outlets
- InstaPATCH® pre-terminated solutions throughout the facility
- Angled imVision® panels for future iPatch® infrastructure management deployment
- Plus racks, ladder racks, cable management devices and other equipment

CommScope also customized the infrastructure equipment rooms to match the colors of the Kings logo with purple cable, black hardware, and silver-gray doors and patch panels. The copper cable was also customized with “Sacramento Proud” imprinted on the sheathing.

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers— we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.



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