

Redefining the connected 5G experience

AT CRYPTO.COM ARENA AND L.A. LIVE



mobilitie
a bai communications company

Mobilitie, a BAI Communications company, in partnership with AEG, the leader in sports and live entertainment, is deploying an industry-leading 5G network throughout Crypto.com Arena and its adjacent sports and entertainment district, L.A. LIVE. The wireless network is integrated with all carriers and is designed to support next-generation fan connectivity and interactions.

Located in the heart of Los Angeles, the 20,000-seat Crypto.com Arena and its 4 million square foot sports and entertainment district, L.A. LIVE, looked to Mobilitie to overhaul its communications networks across the entire campus to provide a seamless connected experience.

Mobilitie recently completed the deployment of its state-of-the-art 5G enabled wireless infrastructure for Crypto.com Arena. Capable of supporting 5G New Radio (NR)

technologies on low-band, mid-band, C-Band (including Auction 110), and ultra-high band millimeter wave (mmWave), the neutral host distributed antenna system (DAS) will provide an unparalleled user experience for fans and staff alike.

The project is being deployed in a multi-phase approach, working around a heavy schedule of live events, which started with Crypto.com Arena and currently expanding across the L.A LIVE entertainment district.



THE SCENARIO:

Reconnecting visitors to the West Coast’s iconic sports and entertainment district

Crypto.com Arena is an award-winning venue and home to many sports teams including the Los Angeles Kings, Los Angeles Lakers, Los Angeles Clippers and Los Angeles Sparks. Adjacent to the iconic arena is the multi-property sports and entertainment district, L.A LIVE. The campus features sports and music venues, night clubs, restaurants, a bowling alley, museum and movie theaters. L.A. LIVE is the premier destination for live entertainment in downtown Los Angeles.

L.A. LIVE and Crypto.com Arena collectively host more than 20 million guests annually and require a critical wireless connectivity backbone that’s capable of providing guests and staff with a reliable and modern connected experience. Whether at home or in-venue, fans expect to engage in real-time social media and photo sharing, live video streaming and more.

To cater to this vast influx of visitors, the venues’ operations teams needed a trusted communications partner that could vastly improve network capacity, so visitors could experience ubiquitous high-speed mobile internet in and across the entire entertainment district.

Together with Mobilitie, we are paving the way for the arrival of 5G technology and upgrading our world-class facilities with a high-performing network that will revolutionize connectivity for our guests and allow us to help shape the future of sports and live entertainment as we know it.

Lee Zeidman, President of Crypto.com Arena and L.A. LIVE.



20,000 seat
Crypto.com Arena,
2.5 million square feet



4 million sq. ft.
sports and entertainment
district, L.A. LIVE



20 million
guests a year



2.7x increase
in stadium coverage
(from 9 to 24 sectors)



THE CHALLENGE:

Building a robust 5G network that provides ubiquitous connectivity over multiple properties

The delivery of a single, robust network over massive multiple properties is a complex project, and Mobilitie faced several challenges:

Massive scale of venue:

The team needed to ensure seamless coverage was available while visitors were going in and out of various coverage areas, both indoors and outdoors. But the challenge didn't end there, the network needed to also be inclusive of all current carrier frequency bands as well as support future demands.

SOLUTION:

Mobilitie installed robust indoor and outdoor coverage elements to support both venue and carrier requirements. By using a rigorous OEM selection process, the team ensured the equipment used met both current needs and supported new frequency bands (such as C-band) that will need to be deployed as new technologies emerge.

Ensuring seamless connectivity between the indoor and outdoor sections of the campus also required a complex design. To optimize coverage, Mobilitie's indoor network design more than doubled the number of sectors, from 9 sectors to 24 sectors, significantly increasing capacity within the venue. The outdoor distributed antenna system (ODAS) network, which includes 8 sectors of both neutral host DAS elements as well as a D-RAN layer to support 5G mmWave, further maximizes coverage to support outdoor events and foot traffic in and around L.A. LIVE and Crypto.com Arena.

Limited venue access:

Crypto.com Arena hosts 250 events every year. As such, wireless construction teams could only work on a restricted schedule.

SOLUTION:

By working closely with the venue operations team, Mobilitie was able to schedule installation and deploy infrastructure in accordance with the ongoing events. The team's expertise ensured an efficient and timely rollout.

Legacy equipment used by carriers:

Each carrier had their own equipment at the property and Mobilitie needed to ensure continuity of service while the new wireless build was underway.

SOLUTION:

To meet this need, Mobilitie built a transition network that allowed each carrier networks to still work during the construction. To ensure a seamless transition from the existing networks to the neutral host DAS, Mobilitie's engineering and deployment teams worked cooperatively with the venue's staff to design and deploy a temporary coverage layer in the bowl seating area to provide wireless coverage during the transition process.

Despite the complexities and demands of the project, Mobilitie completed the new 5G wireless network build ahead of schedule.

THE RESULTS:

Putting visitors and fans in focus with ubiquitous 5G coverage across all properties

By combining next-generation technologies with a collaborative, team-based approach to design, deployment, testing and operations, Mobilitie has delivered high-quality connectivity to visitors throughout the venues and properties in the entertainment district.

Mobilitie's wireless infrastructure enables Crypto.com Arena and L.A. LIVE to unlock innovative new technology to significantly enhance day-to-day operations and improve overall efficiencies across all venues. Some of the capabilities that are delivered as the result of the network that was designed from the ground-up include:

- **The fastest, uninterrupted multi-carrier wireless network:** The updated network equips Crypto.com Arena and the entire L.A. LIVE campus with one of the fastest, most technologically advanced multi-carrier wireless networks in the country. The robust network is integrated with all wireless carriers and provides seamless service throughout the district.
- **Innovative experiences:** Future applications of the technology are endless. By enabling new opportunities for fan engagement, such as interactive augmented reality (AR), and virtual reality (VR) experiences, spectators both in the arena and at home can feel like they are part of the action.
- **Expanded digital initiatives:** Mobilitie improved venue operations by accelerating the venue's tech-forward initiatives and fan-enhanced experiences for visitors and at home fans alike. Whether it's to seamlessly live-stream performances, provide new camera angles, share the memories via social media, make contactless payments, or request rideshares, this modernized infrastructure will help Crypto.com Arena and L.A. LIVE enhance the fan experience.

Why Mobilitie?

Our team of hands-on, on-the-ground experts has a proven track record of building networks in the most complex environments with innovative network infrastructure solutions.

Our customer-first approach means we understand what customers value. From flexible and on-time installations to Day 2 support, we ensure a white glove experience from beginning to end.

Mobilitie's wireless solutions and telecom assets are owned and managed across all 50 states and in all major metros. We're large enough to deliver and maintain large-scale operations while nimble enough to deliver the bespoke solutions your business needs.

Interested in learning how you can elevate your connectivity and provide a stellar guest experience? Connect with us.

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Our experienced and innovative team has built a robust neutral host network that serves as the technology backbone for both next-generation fan experiences and interactions, as well as operational connectivity for current and future smart venue applications.

Christos Karmis, CEO Mobilitie