



CASE STUDY

SOLDIER FIELD

5G KICKS OFF AT SOLDIER FIELD

Chicago, IL | 63,000 seat capacity | Home to Professional Football and Soccer

Soldier Field is a storied venue with an eye to the future. A Boingo partner since 2005, the stadium saw the importance of wireless connectivity for fan engagement and operations even before the release of the iPhone. To stay at the forefront of innovation and technology, Soldier Field relies on Boingo’s neutral host cellular distributed antenna systems (iDAS and oDAS) and Wi-Fi networks. Always one step ahead, the stadium is one of the first NFL venues to launch 5G. Boingo partnered with Verizon to design and deploy a 5G Ultra-Wideband network. This monumental rollout provides the blazing fast speeds and low latency required to power next-generation fan experiences and complements existing Boingo LTE, Wi-Fi and Passpoint services.

DELIVERING THE SOLDIER FIELD VISION

VISION Chicago’s Premier Sports & Entertainment Venue	SOLUTION Boingo Converged Network
Boost speed and capacity in a high density environment. Power new digital fan experiences. Position Soldier Field as an innovator.	5G, Millimeter Wave (mmWave)
Boost cellular coverage for all Tier One carriers	Indoor & Outdoor DAS
Provide fast, free connectivity for fans and staff. Dedicated, secure Wi-Fi SSIDs for teams, coaching staff, media and press.	Wi-Fi
Enable fans and staff to seamlessly and securely roam onto Wi-Fi for ubiquitous connected experience.	Passpoint
Deliver Soldier Field or team-branded Wi-Fi log-in experience.	Wi-Fi Connection Portal
Drive revenue.	Neutral Host Network: 5G, DAS, Wi-Fi, Passpoint
Outsource network monitoring and maintenance to ensure an always-on, world-class connectivity experience for guests and staff.	Award-winning Network Operations Center (NOC) with 24/7/365 Maintenance, Monitoring and Customer Care
Track network performance, collect data and drive insights to inform stadium operations.	Boingo Insights

HIGHLIGHTS



Flexible, Scalable, Innovative: 5G

The flexible network architecture enabled Boingo to build on existing core infrastructure to operate Verizon 5G nodes strategically across the stadium using mmWave. From mobile ticketing and live streaming to viewing multi-angle instant replays from the fan's seat, Soldier Field's 5G partnership with Boingo brings fans, staff and teams into the future of the connected gameday experience.



All Are Welcome: Neutral Host Approach

Boingo's neutral host model is unique. With the ability to support all Tier One Carriers to boost coverage, a neutral host network can scale to provide all fans with superior connectivity in the 5G era, regardless of their wireless provider. Boingo is currently designing a 600MHz — 6GHz, fiber to the edge, digital DAS solution to power 5G for all carriers and technologies.

“The definition of a connected stadium is constantly evolving, but with Boingo by our side, Soldier Field stays ahead of trends to deliver an incredible mobile experience. Our Wi-Fi and cellular connectivity is fast, reliable and amplifies Soldier Field events — whether it's game day for the Chicago Bears or Chicago Fire, or a sold out concert for today's biggest performers.”

Luca Serra, Director of Sponsorship & Media, ASM Global



1-2 Gbps speeds

ABOUT SOLDIER FIELD

- October 9, 1924 marks the official opening day of the Municipal Grant Park Stadium, renamed Soldier Field in 1926
- The first commercial cell phone call was made from Soldier Field in October 1983
- In 2010, Soldier Field became one of the first NFL stadiums to offer guest Wi-Fi
- The stadium was the first NFL stadium to achieve LEED status in 2011
- Boingo launched 5G at Soldier Field in 2019