



HOW VENTEV PROVIDED HIGH DENSITY, AESTHETICALLY PLEASING WI-FI IN GLOBE LIFE FIELD BASEBALL STADIUM

EXECUTIVE SUMMARY

CLIENT

Globe Life Field baseball stadium,
Arlington TX

CLIENT CHALLENGE

Provide aesthetically pleasing, reliable, and high-performance Wi-Fi to the 40,000-seat stadium.

PRODUCT SOLUTION

Under Seat Rail Mount Enclosure:
NEMA 4X polycarbonate screw door enclosure features a custom bracket that mounts directly to the seat, lifting the enclosure and access point off the ground.

Custom Product

Low Profile Under Seat Enclosure:

Low-profile, small form factor enclosure features a heavy-duty aluminum base that is lifted off the ground and an injection-molded cover to protect the access point.

Tessco SKU 263996

Ceiling Tile Enclosure with Interchangeable Door:

Lightweight enclosure used for deploying access points in a suspended ceiling tile grid. Interchangeable door allows for easy servicing and migration to new access points.

Tessco SKU 260003

KLA Laboratories, a leading solutions provider for wireless networks, was contacted by the owners of Globe Life Field to install an aesthetically pleasing wireless network in their stadium to provide seamless capacity and coverage for more than 40,000 users.

CHALLENGE

Stadiums pose many challenges when it comes to deploying high-performance Wi-Fi. Capacity, placement, and aesthetics are key.

To deliver reliable connectivity to thousands of users, access points and antennas need to be installed close to the fans. This optimizes the number of users per access point, increases bandwidth per user, and enhances capacity. The deployments also need to be durable to withstand wear and tear from fans, weather, spills, and power washing, and aesthetically pleasing to not detract from the stadium's appearance or the fans' game day experience.

SOLUTION

KLA contacted VenteV, an industry-leading manufacturer of Wi-Fi infrastructure products for stadiums, to participate in this deployment based on VenteV's success in solving unique customer challenges.

For the Aruba 535 access points used in this deployment, VenteV constructed a custom Under Seat Rail Mount Enclosure for the outdoor field area of the stadium and recommended using a custom Low Profile Under Seat Enclosure and the Ceiling Tile Enclosure with Interchangeable Door in the upper-level suites and other interior deployments.



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The Under Seat Rail Mount Enclosure is a custom enclosure created by Ventev's in-house engineering team for the deployment. This 12x10x4" solid NEMA 4X polycarbonate screw door enclosure features a custom bracket that mounts directly to the seat, lifting the enclosure and access point off the ground. The rugged, weather-resistant enclosure offers a slim form factor and protects the equipment from impact and power washing.

The Low Profile Under Seat Enclosure is another custom product Ventev created for the stadium suites to fit in spaces less than 5". This low-profile and small form factor enclosure features a heavy-duty aluminum base that is lifted off the ground and an injection-molded cover to protect the access point. This aesthetically pleasing design offers a membrane breathing vent and durable gasket to withstand power washing.



RESULT

To ensure high-performance Wi-Fi with sufficient capacity for all guests throughout the stadium, a total of 900 Ventev Under Seat and Ceiling Tile enclosures were deployed. The stadium owners were happy with their choice to work with KLA and Ventev and pleased with the ease of the installation and the aesthetically pleasing appearance of Globe Life Field.

For more information about how Ventev can power, protect, and connect your next wireless network deployment, visit ventev.com/infra.



In the suites and other interior parts of the stadium, Ventev recommended using the Ceiling Tile Enclosure with Interchangeable Door for an inconspicuous solution to deploy access points in a suspended ceiling tile grid. The lightweight enclosure reduces strain on ceiling grid, enables access points to be serviced without removing the entire enclosure, and blends seamlessly into the environment.

