Pepsi Center
Denver, CO

A multipurpose sports and events venue, the Pepsi Center is home to the NBA's Denver Nuggets and the NHL's Colorado Avalanche. The facility hosts nearly 100 sporting and entertainment events per year and incorporates three restaurants, TV recording studios, retail outlets and conference facilities.

PROJECT DETAILS

Verizon Wireless recognized the importance of wireless service to fans at the arena and sought to improve commercial cellular coverage inside the facility. Verizon selected Zinwave's in-building wireless solution because of its flexibility and ability to support all the required frequencies on a single hardware layer. Zinwave is the only true wideband active in-building wireless solution available with support for all frequencies between 150MHz and 2700MHz regardless of protocol or modulation scheme, making it completely future-proof.

Zinwave's inexpensive and flexible remote units (used to optimize signal output) were placed throughout the arena and seamlessly integrated with existing fiber cabling infrastructure, resulting in rapid installation and significant cost savings.

The advantages of the flexible Zinwave system were borne out within just a few months of project completion in early 2013. Verizon's original specifications included 700MHz LTE, 850MHz CDMA and 1900MHz EVDO. While Verizon decided not to install the 850MHz CDMA service during the initial build, it elected to add 1900MHz and 2100 MHz LTE soon thereafter. Both of these changes were made without costly infrastructure upgrades.

VENUE

• 45 square acres
• Seats 19K for sporting events
• Seats 21K for concerts

SYSTEM

• 16 primary hubs
• 18 secondary hubs
• 140 remote units

SERVICES

• All LTE: 700MHz, 850MHz, 1900 MHz, 2100 MHz
• Legacy CDMA, 2G, 3G

THE ZINWAVE 3F ADVANTAGE

Zinwave's indoor wireless solution delivers three game-changing benefits.

FIBER BASED

Zinwave's simple, elegant solution leverages a building's existing fiber infrastructure and limits disruption to day-to-day activities during installation.

FULL SPECTRUM

From routine business communication to life saving emergency response, Zinwave is the only solution that supports all cellular and public safety frequencies on one hardware layer.

FUTURE READY

As smart buildings and BYOD become the new normal, Zinwave prepares your building for the future without the need for additional infrastructure investment.