



## BUILD YOUR OWN COVERAGE: T-MOBILE BRINGS 5G-READY DAS TO RENO'S PEPPERMILL CASINO & RESORT

The Peppermill Casino Spa Resort in Reno, NV, once a humble establishment catering to regional clientele, has become a premier casino attracting guests from across the U.S. and beyond. The property lacked effective indoor cellular coverage and T-Mobile customers — a significant base of resort patrons and employees — were requesting better service. Working with the Build Your Own Coverage program, the Peppermill team deployed a new distributed-antenna system (DAS), dramatically improving coverage for T-Mobile and other customers.

### The Challenge

The Peppermill's legacy DAS system was antiquated. It offered 3G, not 4G LTE. It did not cover the most important space, the casino floor, or back-of-house locations where employees work. Coverage from macro cellular networks was limited due to the vast size of the facility and the structure's heavy use of concrete, LEED glass and other materials that impede RF signals. The resort needed new DAS infrastructure that would offer 4G LTE services throughout the facility.

### The Solution

The casino deployed a new DAS and T-Mobile has joined the network. The system is expansive, covering 850,000 sq. ft. of casino, spa, fitness, convention center, and back-of-house facilities. The infrastructure

provides 4G LTE. The design can be upgraded for 5G and allows expansion to guest rooms.

**"Our new DAS ensures that our heavy customer base of T-Mobile users and all clientele, regardless of the carriers they use, have a good cellular experience on our property."**

— Pat Flynn, executive director, Peppermill hotel operations and sales

### The Results

T-Mobile customers are enjoying the network. During the first month, the network supported 177 peak connected customers. During a one-month period, customers downloaded 1 TB of data and made more than 48,000 VoLTE calls. Usage and traffic continue to increase.

## QUICK FACTS

### Venue

Peppermill Resort Spa Casino,  
Reno, NV

### Goal

- Expand and enhance coverage

### Success Metrics

1-month period

- 1 TB data downloaded, 223 GB uploaded, 48,598 VoLTE calls
- 28.36 Mbps average throughput (download)

### Technology

- Distributed antenna system (DAS)

### For More Information Contact

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