



BUILD YOUR OWN COVERAGE: T-MOBILE DELIVERS IN PARADISE AT FAIRMONT KEA LANI

The Challenge

Nestled on the edge of Maui's coveted Wailea coast and surrounded by dramatic slopes of Maui's famed Haleakalā, Fairmont Kea Lani offers guests a chance to get away from it all in an island paradise. But today's paradise includes access to quality cellular coverage and capacity—and due to the low elevation of the resort and the height of the surrounding mountain, the Kea Lani was struggling to provide their guests reliable cellular service and coverage.

The Solution

Fairmont Kea Lani is a 5-Star resort with 450 guest accommodations in two main towers and private villas in smaller buildings throughout the complex. To ensure robust coverage and capacity in every corner of the 22-acre resort, T-Mobile's regional team of RF engineers partnered with Comba Telecom to

implement a neutral-host distributed antenna system (DAS) solution that covers the two main towers up to the 4th floors via iDAS, and all the other smaller buildings and outdoor areas via oDAS. This Ericsson system includes internal and external antennas that smoothly transition guests from the macro network to the DAS system and back depending on where they are at the resort.

The Results

Today, guests can roam the resort and never drop a call. The DAS ensures a high-quality guest experience even if the resort is full of visitors. T-Mobile customers are enjoying typical LTE speeds of 135 Mbps (downlink) and 26.5 Mbps (uplink).

QUICK FACTS

Venue

Fairmont Kea Lani, Maui

Goal

Robust LTE coverage and capacity

Success Metrics

DAS: 135 Mbps (downlink) and 26.5 Mbps (uplink)

Technology

- Neutral-host distributed antenna system (DAS)
- 2 sectors of 15 MHz 2100 LTE (SISO)
- 15 MHz 1900 LTE (SISO)

For More Information Contact

BYOC@T-Mobile.com

