



Delivering 100% availability to a five-hour music and activities festival

Supplying hybrid 4G/5G connectivity for frictionless admission to 30,000-person event.

A major enterprise services provider planned to host a five-hour interactive concert and party for attendees of its annual conference. This multimedia, hybrid event was slated to feature live music, lighting designs, interactive video displays, projected 3D visuals, and online streaming across a large space.

Challenge

Given the volume of attendees (30,000 total) and the need for a mission-critical, frictionless entry experience, ensuring reliable connectivity for operations was critical.

Congestion and interference resulting from the sheer size of the event and the number of concurrently operating devices made running Events Services applications and devices over carrier networks impossible. Combined with increasingly complex security and registration applications, the customer needed a solution that offered reliable and secure coverage.

Solution

Driven by the customer's use case (ultra-fast connectivity across a dense geographic area with countless high-demand endpoints), Federated Wireless worked together with the customer to deliver a high-bandwidth, low-latency, cloud-based, hybrid 4G and 5G networks. The conjoined 4G and 5G networks both ran off the same core, hosted on an AWS Snowball device.

Impact



Enable smart infrastructure for:



Mission-critical applications



Seamless connectivity for event operations



Frictionless entry capable of scanning 26,000 tickets in ~45 minutes.



Video surveillance



100% uptime and network reliability



Zero downtime, zero interference during event