### **Case Study**

People. Places. Connected.

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## Avalon, California



# **Goal:** Create a parking solution for a golf cart community.

The city of Avalon is an island community that only allows golf carts for personal transportation. The huge influx of visitors during peak seasons was creating problems with transportation, noise, and enforcement.

Fybr provided a parking solution (powered by AWS) that was finely tuned to provide highly accurate data on vehicles with low magnetic signatures (golf carts and other low speed vehicles).

#### Challenges

The city of Avalon—located on Santa Catalina Island in California—is home to approximately 4,000 permanent residents with annual visitors in excess of one million. All modes of personal transportation on the island are limited to golf carts or similar sized vehicles and in peak seasons they were experiencing problems with transportation, noise, and enforcement.

The city wanted to adopt a smart parking solution but most traditional smart technology tools couldn't easily be adapted to their needs because the low magnetic signature of the golf carts made them a challenge to detect.

#### **Solutions**

Fybr developed a successful "proof of concept" installation providing real-time parking and air quality information in spite of Avalon's unique parking environment. Fybr's parking sensors, gateways, and air quality sensors actively collect and track parking and air quality data and provide the city with actionable insights. Most importantly, Fybr's sensors are finely tuned to provide highly accurate data for golf carts and other low speed vehicles that have a low magnetic signature.

#### Outcomes

- Avalon learned that of the total parking events detected, approximately 23% were occurring in no-parking zones.
- Insights revealed that 12% of vehicles in no-parking zones were in violation for longer than 5 minutes.
- Data also showed that over 10% of parking events were exceeding the one-hour time limit.
- The city now plans to expand the deployment with additional Fybr sensor types including LED lighting controllers, micro-climate weather, and sound noise level detectors.

