Case Study Montréal

fybr People. Places. Connected.

Goal: Provide real-time parking data in extremely cold weather.

This three-year smart city pilot with the Montréal Parking Authority (Stationnement de Montréal) sought to capture precise, on-street parking data to improve enforcement and help guide motorists to open spots.

The pilot demonstrated that the Fybr platform could provide 99% accuracy despite Canada's extreme winter weather.

Challenges

The Montreal Parking Authority wanted to collect real-time data in their central parking district in order to provide a better understanding of overall parking utilization and make better decisions with respect to their overall parking policy. This was challenging because many competitors' devices had trouble operating at extremely low temperatures and there were limitations with solar panels due to the northern latitude.

Solutions

Fybr's successful deployment of parking sensors, gateways, and air quality sensors demonstrated the durability and near-perfect accuracy of the Fybr system (powered by AWS) in harsh environments.

Outcomes

- Fybr made significant learnings in how to design, manage, and improve its hardware to reliably operate in extremely cold climates.
- Motorists could easily find open spots due to real-time data.
- Enforcement officers were able to do their jobs more efficiently.
- The success of the pilot has encouraged Montreal to continue investing in smart city technology.