FIBERinMOTION Case Study

Boosting Security & Operational Efficiency

AÉROPORTS DE MONTRÉAL (ADM) DEPLOYS FIBERinMOTION™

RADWIN’s Wireless Mobility Solution Boosts Airport Security & Operational Efficiency

Customer
Aéroports de Montréal (ADM) is a corporation responsible for the management and operation of the Montréal-Pierre Elliott Trudeau International Airport, Montreal’s hub for domestic and international passenger traffic.

Partners
TBL Telecom, based in Québec City, provides unified communications, wireless broadband, WiFi and networking solutions. TBL Telecom worked in partnership with Bell Canada on this project.

Customer Requirements
Aéroports de Montréal (ADM) sought a solution that would allow it to establish wireless mobile connectivity across the Montréal-Pierre Elliott Trudeau International Airport in order to boost safety and operational efficiency.

“RADWIN’s FiberinMotion was chosen over other technologies as it better matched our triple-play communications needs. Our vehicles are now equipped with online broadband connectivity which further improves safety and operational efficiency at the airport.”

Bernard Simard, Chief Operations Officer, Aéroports de Montréal (ADM)
Solution: RADWIN FiberinMotion™ Wireless Mobility

Aéroports de Montréal (ADM) tested several alternatives for wireless mobile connectivity, including Wi-Fi and WiMAX-based solutions. After an extensive analysis it chose RADWIN’s FiberinMotion for wireless mobility connectivity.

Delivering wide area coverage (up to 10 Km/ 6 Miles per base station), 6 FiberinMotion base stations were deployed to cover the entire airfield. FiberinMotion mobile radio units were installed on aircraft rescue and firefighting vehicles (ARFF) and operation and maintenance vehicles. The radio units deliver video, data and telemetry information from the vehicles to the airport control center and enable the airport’s operations and maintenance teams to manage their day-to-day activities including inspections, maintenance, navigation and incursion management.

RADWIN’s FiberinMotion network provides the security patrol and ARFF teams with full broadband connectivity across the aircraft operating area (AOA), its perimeter and the entire airport property. The solution provides situational awareness and enables security teams to provide fast response in cases of security breaches and emergency situations.

FiberinMotion™ Solution Highlights

- Highest net throughput in motion - up to 250 Mbps (MIMO); 100 Mbps (Diversity)
- Wide area coverage - up to 10 km/ 6 miles
- Guaranteed bandwidth per vehicle
- High speed - 250 km/h
- Fast handover
- OFDM
- Operation in nLOS / NLOS scenarios
- Smart Bandwidth Management
- Dynamic MIMO/Diversity
- Security - AES 256 / SNMPv3

About RADWIN

RADWIN is a leading provider of sub-6 GHz wireless Point-to-Point and Point-to-Multipoint, Wireless Broadband-in-Motion and Small Cell NLOS Backhaul solutions. Deployed in over 150 countries, RADWIN’s solutions serve the needs of service providers, mobile carriers, governments, enterprises, public and private security companies and transport organizations.

About TBL Telecom

TBL Telecom is an Integrator specialized in Wireless (Broadband and WiFi) and Unified Communication Solutions with over 15 years delivering mission critical projects with success.