

CASE STUDY:

LONG RANGE ACCESS CONTROL

ISSUE:

The Port of Seattle operates buses running from multiple remote employee parking lots to the main SEATAC terminal. The North Employee Lot is fenced and gated. Access is through a bus only gate. To enter the gate, buses must make a left turn across oncoming traffic on a congested, arterial street. Stopping in front of the gate is not an option since this would block oncoming traffic and create a safety hazard. The critical requirement for their application is that the gate activate when the bus is stopped across the street – a full 70 feet away.

Traditional passive RFID systems would not work because they are limited to a read-range of only 10 - 20 feet. Handheld radio frequency openers (e.g. garage door openers) proved a security risk for the Port as they were frequently lost or stolen and could be easily duplicated.



IDMICRO'S LONG RANGE, LONG LIFE SYSTEM PROVED THE PERFECT SOLUTION:



- Robust 70 foot read range
- Tags are easily riveted or bolted to vehicles
- Long life (5 - 10 years depending on battery configuration) ensures minimal maintenance and very low annualized tag costs.
- Frequency hopping among 75 channels ensures interference will not impact operation
- Weigand interface from reader ensures easy integration with most access control panels
- IDMICRO'S Avera software offers full reporting and integration of multiple sites.

IDMICRO specializes in long range, long life RFID solutions for use in challenging environments. Our semi-active technology delivers high performance at very competitive costs. IDMICRO'S readers operate at 2.45 GHz and are FCC Part 15 compliant, with no site license needed.

Please contact IDMICRO for more information on our RFID access control and asset tracking solutions.



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