

CASE STUDY

Vehicle Access Control & Parking Management



→ Location :

Garak-dong Agricultural & Marine Products
Wholesale Market, Korea

→ Products Used :

RF245 2.45GHz Long Range Readers
IDA245 2.45GHz Long Range Active Cards

→ Application :

Vehicle Access Control
Parking Management

Garak-dong Agricultural & Marine Products Wholesale Market

Garak Market is an extensive farmers & fish market located in the neighborhood of Garak-dong in Songpa-gu, Seoul, South Korea. The market, which first opened in June of 1985, is one of the oldest and largest operated public markets in Korea. It occupies over 542,920m² and consists of 47 market buildings which includes fruit market, vegetable market, dried pepper market, garlic market, marine products market, livestock market, fruit & vegetable direct sale market, groceries market and dried seafood market. Over 136,000 people visit the market daily and the value of their transaction is estimated at \$8.6 million per day.

The Challenges

With over 45,000 vehicles coming in and out of the market daily, Garak Market was in need for a solution that can perform effective vehicle access control and parking management. The administrators at Garak Market sought for a solution that is multi-functional, which is capable of covering all of the matters from vehicle access control & parking to parking fee management.

Due to the nature of the market place, they dealt with various sizes of vehicles. Depending on the size of the vehicles, the location of card behind the windshield was different. They needed a product with long and stable reading range that could read the active card attached in small compact cars to large freight trucks.

Choosing IDTECK

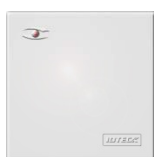
Like any smart consumers would do, the administrators at Garak Market did their research. After extensively reviewing several of products out in the market, they were attracted to the merits that IDTECK products possessed. They were fascinated with the replaceable battery type IDA245 Active Cards, which eliminated the hassle of purchasing a new card every time the battery ran out. Another important reasons behind selecting IDTECK over other competitors were IDTECK's highly recognizable reputation in the security market and the fact that it is a domestic product.



Solution

The RF245, 2.45GHz long range reader, which guarantees stable read range up to 10 meters, was installed in 38 sites to cover all the entry and exit points throughout the market. It provided quick access process for registered vehicles and high speed identification to reduce the heavy vehicle flow at the toll booth, eliminating the long lines of waiting vehicles.

IDTECK's solution has lifted a lot of weights off the employees at the market as it reduced the booth workers' workloads as they no longer have to hand out and collect parking tickets from every vehicle and deal with the parking fess. As for the card users, they didn't have to worry about parking fees every time they pass through the toll booth. Many took the advantages of the pre-paid parking cards, which were available for purchase in the market's main office, to avoid waiting in line and go on with their busy schedules. With IDA245 Active Cards attached behind vehicle windshield, the RF245's high read range was ideal for managing vehicles of all sizes, from compact cars to large freight trucks.



[RF245]

- 2.45GHz Long Range Reader
- Read Range up to 10M (3M, 5M, 10M)
- Multiple Tags Identification (30 Tags/sec)



[IDA245]

- 2.45GHz Long Range Active Card
- Battery Replaceable
- User Programmable Site Code, ID Number