"Safer Subway Transit with IDTECK System"

DTRO

■ **Location :**

Daegu Metropolitan Transit

Daegu City, Korea

■ **Products Used :**

iTDC-SR Access Control Panels

SR10 13.56 MHz SMART Card Reader

STARWATCH iTDC PRO II

  Access Control Management SW

■ **Application :**

Access Control System for 56 Stations

Real-Time Centralized Monitoring

SR10

• 13.56 MHz [MIFARE] Contactless
  SMART Card Reader
• MIFARE, ISO 14443 Type A
  Compatible
• Epoxy Molded
  (Waterproof / IP65, IP66) - SR10E
• Warranty (Life-Time)

Daegu Metropolitan Transit

Serving the city of Daegu since 1997, the Daegu Metropolitan Transit provides subway transportation to over 2.5 million people of the third largest metropolitan area in South Korea. Daegu Metropolitan Transit is consisted of two subway lines; Subway line one consists of 30 stations covering 25.9 km of route and subway line two consists of 26 stations covering 28 km of route. Addition of subway line three is currently under construction, scheduled to be completed in 2014.

Project Requirement

Subways stations face the most pressing security and access concerns as they facilitate millions of people daily. The Daegu Metropolitan Transit planned on installing appropriate security system throughout all their stations to provide safe public transportation operation. All of the stations required a full upgrade of its old fashioned key and door lock system to modern, state-of-the-art access control system that would provide networked access control system and various applications via a single card. In addition, an effective centralized monitoring from a central station where they can monitor the access control status of all 56 stations. The security had to be based on the innovative technology and allow a broad range of functionalities.

The Solution

To address these challenges, the professional system integrators at IDTECK recommended IDTECK SMART Card System, which will provide seamless access control system, ensuring only authorized personnel could gain access to the restricted areas of the subway stations such as control rooms, machine rooms and etc. IDTECK's SR10 13.56 MHz Smart Card Readers were deployed in every entry and exit points and these readers were controlled by iTDC-SR Access Control Panel, which is capable of controlling up to four doors per single panel. For advanced integrated security measure, IDTECK's Access Control Management Software, STARWATCH iTDC PRO II,

iTDC-SR

- 4 Door Access Control Panel
- Up to 50,000 Users
- Up to 29,500 Event Buffers
- Integrations with CCTV, Alarm, Fire Alarm, BAS, BMS and etc.
- Automatic System Reset via Self-Diagnosis (Watchdog Function)
- Anti-Passback Function

was integrated with the existing surveillance cameras (CCTV) installed in the stations, providing real-time monitoring of access control and video surveillance footage in one management software. Due to the networked system, all of the security activities including access control and video surveillance of each station can be monitored from the head office of the Daegu Metropolitan Transit.

After Successful Implementation

In its original intension of implementing a new access control system, it was conceived as a way to help minimize the problem of lost keys for the control rooms in the stations but now it has grown into much more. IDTECK's integrated security system provided more safe and sound environment for the employees of the Daegu Metropolitan Transit to work in, moreover a reliable transportation system for the citizens of Daegu.

About IDTECK

Long experience in biometric access control and time & attendance field, IDTECK products assure the most reliable technology out in the security market. IDTECK offers wide range of security products, to provide the best security solution to suit your needs. All of IDTECK products are certified by UL, CE, FCC, MIC, and RoHS to satisfy the standards for international exports.