

## CASE STUDY

# Control the Access of All, Even to the Elevator



### → Location :

TOBB Economics and Technology University  
Ankara, Turkey

### → Products Used :

SR10 Contactless Smart Card Readers  
iTDC-SR Multi-Door Access Control Panel  
ELEVATOR384 Elevator Access Control Panel

### → Application :

Access Control and Elevator Control for  
the University Dormitory

## TOBB Economics and Technology University

TOBB Economics and Technology University, located in Ankara, the capital city of Turkey, is one of the largest technical institute in its region. School's new dormitory building is a signature space that supports the academics and personal growth of residents, provides a place where programs and events are hosted, and most importantly, provides a home-away-from-home for 1,500 students. The student dormitory complex is consisted of 4 block buildings, which are respectively 18 stories high.

## The Challenges

Staying the dormitory provides a lot of benefits to the students. It offers convenient access to classes and campus events and most importantly, it provides much needed security to the students that are living away from home for their first time. Nevertheless, Dormitory buildings go through constant

### SR10 (13.56MHz Contactless Smart Card Reader)



- MIFARE, ISO 14443 Type A Compatible
- Serial Number Read only
- Reverse Polarity Protection
- 3 Array LED Indicators and Beeper
- External LED Control
- External Buzzer Control
- Mullion Mount
- Epoxy Molded  
(Waterproof / IP65, IP66) - SR10E
- Warranty(Life Time)

exposure to students, faculty, staffs and in some cases, unwanted solicitors and intruders. It is a responsibility of the university to present safe atmosphere where students could study and socialize with one another as well as privacy during thier own hours. This is promoted as better describing a living and learning community that is part of the larger academic institution.

## The Solution

As the school officials requested, all the entry doors of the dormitory buildings are remained locked all times to prevent the entry of the unauthorized personel. 118 units of SR10 SMART Card readers were installed on every entry doors and students are allowed access if they present thier access card to the reader. 34 units of iTDC-SR access control panels, which are capable of controlling up to 4 doors, are deployed to control the readers.

In addition, properly securing the elevator systems has helped eliminate the risk of the misfortunate events from taking place. With the SR10 SMART Card reader installed right below the floor button of the elevator, students must present his or her access card to the reader and the elevator system, ELEVATOR384, verifies the user and activates the buttons for the floors the student is permitted to. Accessible floors can be set for each card holder (student) by the system administrator and they were able to monitor all the floors. Elevator control played a large role in establishing a comprehensive Access Control System.

A key part of this project was that the students didn't have to replace their existing student identification card with a new card equipped with access card capability as the access control system as well as the elevator control system was compatible with SMART Card (MiFARE).

### ELEVATOR384 (Intelligent Elevator Access Control Panel)



- Controls Up to 384 Floors  
(12 Floors per Controller,  
Expandable Up to 32 Controller)
- Up to 50,000 Users / 50,000 Event Buffers
- Standalone Operation or Integration
- Standalone / Network Communication  
via RS232 / RS422 / RS485 / Ethernet
- Supports 4ea Reader Port
- Supports 4ea Key Panels of Elevator
- Accessible Floor Configurable per User

## After the Successful Deployment

On this large project, IDTECK's Turkish distributor, Optimum Guvenlik, was able to beat out other access control suppliers due to the great performance of the IDTECK product. Thier recent project at the Ministry of Foreign Affairs of Turkey was a great success and it has left a great impression for Optimum Guvenlik and IDTECK products. Students and dormitory personels were fairly satisfied with the IDTECK access control system as it ensured safety and provided better environment to live and work.

## About Optimum Guvenlik



Optimum Guvenlik (exclusive distributor of IDTECK products in the nation of Turkey) won the contract thanks to the top performance of IDTECK products as well as providing maximum service quality, excellent technical support and paying close attention to all customer requests, reacting to them on time and in step with their requirements. Optimum Guvenlik designs and provides top of the line security solutions all across the country of Turkey.

## 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.

### iTDC-SR (Contactless Smart Card Intelligent Multi Doors [4] Access Control Panel)



- Up to 50,000 Users / Up to 29,500 Event Buffers
- Standalone / Network Communication
- 1,000 ~ 20,000 / 30,000 / 40,000 / 50,000 Users
- via RS232 / RS422 / RS485 / Ethernet
- 20,000 ~ 29,500 / 3,000 / 8,000 / 14,000 Event Buffers
- Self-Testing Feature for Self-Recovery
- Expansion I/O Board available
- Integration with Other Security Systems
- (EIO88: 8 Inputs / 8 Relay Outputs)
- Protection from ESD