



# PROJECT

## **Project area**

SECURITY AND AUTOMATION

## **Made for**

HOTEL OF A NOTABLE EUROPEAN CAPITAL

## **Requirement**

ACCESS CONTROL SYSTEM FOR CUSTOMERS AND EMPLOYEES

## **CLIENT PROFILE**

### **CLIENT:**

HOTEL

### **SECTOR:**

HOTEL INDUSTRY

The Customer is a prestigious Hotel of a notable European capital acknowledged for the high standard of offered services.

The Hotel, located in the heart of the city, represents a perfect starting point to plan the sightseeing tours.

The large number of rooms available to the Customers and a large flow of people are managed by means of an extensive number of employees.

## REQUIREMENT

Taking into account the large number of subjects (employees and guests) who are present on a daily basis, it was necessary to guarantee an optimum level of security for the entire structure.

Besides ensuring an efficient access management, the Hotel wished to maintain the high quality standards both within the common and the private areas, reduce the management costs associated

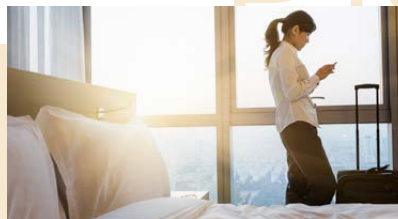
to the traditional key systems and provide Customers with a simple and practical tool to access their own rooms.

## ACCOMPLISHED PROJECT

The integration of Zucchetti hardware and software access control solutions has allowed to customize the system by responding to the specific requirements of the Customer, allowing the Hotel to benefit from access control solutions corresponding to the desired security

standards. RFID (Radio Frequency Identification) technology enables managing the security within the structure in an easy, flexible way, minimally invasive in terms of the infrastructure work profile, and especially in terms of costs: does not require a centralized wiring, and in cases

of damage or theft it is not necessary to replace the entire lock or to duplicate the keys, thus ensuring significant savings in terms of management and maintenance costs.



## TOOLS USED

### ELECTRONIC CARD

Both the Hotel Customers and the employees were provided with a card containing a passive 13,56 MHz (standard ISO 14443 MIFARE) Transponder.

The access credentials have been directly transferred to the provided CARD, allowing customers and employees to access solely areas previously defined in the system.

### ENTRANCE READERS

The readers installed in the Hotel are

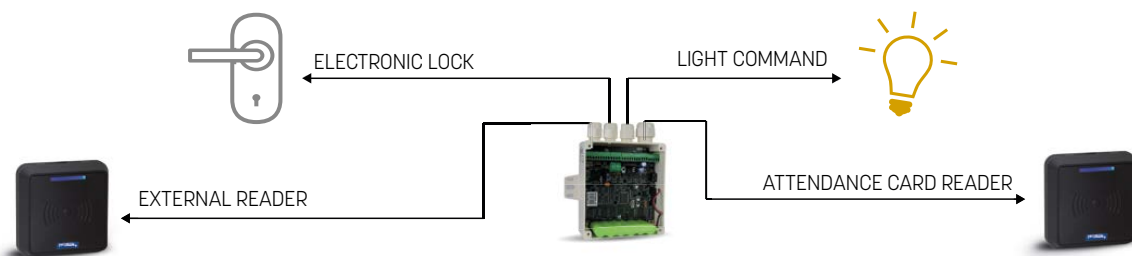
simply connected to the electrical network (12 Vcc low voltage) and to the overall mechanisms for entrance control (electric locks, elevator push buttons, external engine barriers and gateways).

At the very moment of reading, the entrance reader verifies the authorization of the card and consequently allows or denies the passing. The identification system of operators and customers is based on the reading of the authorization code and on the validity period mentioned on the CARD. Once in the room, the

customer activates the lights by inserting the card into a special reader installed on the wall.

### MDC PLUS AND MASTER CARD

By using the Master CARD and the MDC PLUS terminal, portable readers for data collection applications, it is possible to schedule the date/time and the room number. It is therefore possible to perform technical set-up operations without having to physically connect to the electronic control of the room.



Due to Zucchetti software and hardware access control solutions, the Hotel managed to automate the security management within the entire

structure, providing complete supervision of the customers and employees flow management.

Zucchetti solutions have allowed the

Hotel to considerably reduce the management costs while maintaining high quality standards of service.