

## CASE STUDY

# Buddy-Punching Denied by IDTECK FINGER007



### → Location :

Saudi Aramco, Saudi Arabia

### → Products Used :

FINGER007 Standalone Fingerprint Access Controller  
Time & Attendance Software (IDTECK SDK Based)

### → Application :

Time & Attendance Management with  
Fingerprint Identification Solution

## Saudi Aramco

Arabian American Oil Company also known as Saudi Aramco is government-owned national oil company of Saudi Arabia. It is the largest oil corporation in the world with the largest crude oil reserves and production. Running over 100 oil and gas fields in Saudi Arabia, the company produces over 3.4 billion (540,000,000 m<sup>3</sup>) barrels of crude oil annually.

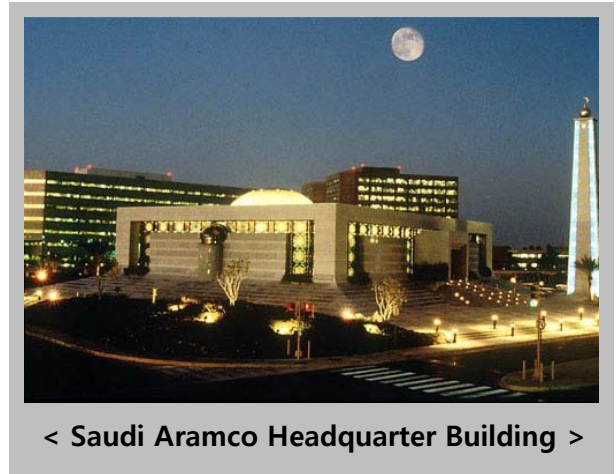
## The Challenges

In order to manage the large group of employees in their branch offices all over Saudi Arabia, the HR department of the Saudi Aramco headquarter office needed to retool its time and attendance system to reduce the payroll costs as well as the effectiveness in management. This included a prevention method for unauthorized overtime and card misuse. There were many cases of "buddy punching", which refers to the act of clocking in for other employees who might be late or absent. In addition, the time and attendance system had to integrate with their existing payroll and HR management system to apply payroll rules that are consistent and fair to every employee.

## The Solution

IDTECK's distributor in Saudi Arabia region, Aflak Electronics Industries Co., has introduced FINGER007 access controller integration with T&A Software for precise time and attendance of their employees.

IDTECK's intelligent standalone fingerprint access controller, FINGER007, delivers top of the line time & attendance and access control applications in a single device. High user efficiency is guaranteed as various identification modes; fingerprint, proximity card and PIN (Personal Identification Number) are supported.



< Saudi Aramco Headquarter Building >

Best of all, fingerprint identification eradicates any possibilities of proxy attendance, which has known to be the weak point of proximity card T&A devices as the employees can generate false T&A data by using someone else's card to record clocking in and out time.

Working alongside with IDTECK's FINGER007, professional T&A Software has been integrated to manage precise time and attendance data. IDTECK's Software Development Kit has been utilized to create one of a kind T&A software, which reflects user's request and regional characteristics. The T&A Software collects T&A data from FINGER007 for further processing and analysis to generate meaningful attendance reports. The software allows users to run multiple shifts and various work schedules without any manual calculations. Processing time, which used to take hours with conventional time clock T&A system, has reduced to just few simple clicks of a button.

### FINGER007 (Fingerprint Access Controller)



- Dual Function for Access Control and T&A
- 1,000/2,000/4,000 Fingerprint Users
- Up to 50,000 Users/50,000 Event Buffers
- Independent 4 Inputs and 4 Outputs
- System Recovery by Self Diagnosis

### LX007 (Fingerprint Access Controller)



- Dual Function for Access Control and T&A
- Graphic LCD for Multi-Language Display
- 12 Function Keys for Various T&A Modes
- Voice Guide in Various Languages
- System Recovery by Self Diagnosis

## After the Successful Deployment

After the successful implementation of the new time and attendance system, the HR department of Saudi Aramco has been able to realize numerous benefits and satisfaction on their investment. The HR department of Saudi Aramco was pleased with how the time and attendance system reduced their payroll process. They no longer had to calculate employee time and input data in to the payroll system manually. Employees also achieved an immediate benefit by eliminating the need for employees to carry around RF cards or remember password numbers. Using only their fingerprint, employees can identify themselves more quickly and precisely.

## About Aflak Electronics Industries Co.



AFLAK specializes in security system as well as telecom and retail system with state-of-the-art products and systems to meet and satisfy Arabic and English speaking region's business efficiency needs. AFLAK aims to be a renowned name in designing, developing and providing user-friendly solutions with the local customers' needs and requirements always in mind.

## About IDTECK

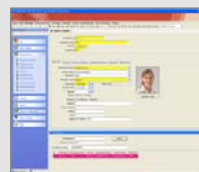
Long experience in biometric access control and time & attendance field, IDTECK products assure the most reliable technology out in the security market. IDTECK offers wide range of security products, to provide the best security solution to suit your needs. All of IDTECK products are certified by UL,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

### Software Development Kit – SDK



- Offers library files or API for T&A and access control software development
- Allows users to develop one of a kind software to meet the user's requests and characteristics.

### IDTECK T&A Software



- STARWATCH TIME PRO
- STARWATCH TIME BASIC
- STARWATCH DUAL PRO I/II
- STARWATCH iTDC PRO I/II