

UNITED ARAB EMIRATES - Arabtec

Time and Attendance Management Case Study



Project Description

Project Site: United Arab Emirates

Arabtec Construction is a part of Arabtec group who delivers social and economic infrastructure projects including high-rise developments, airport terminals, luxury villas, and iconic landmarks in UAE and the rest of GCC, North Africa, and Asia.

Established in 1975, Arabtec has completed more than 200 projects including the world's tallest building Burj Khalifa in Dubai and Louvre in Abu Dhabi.

ZKTeco provided time attendance solution to each construction site and office of the client.

Project Requirements

High Level Verification

Because of the working environment, construction workers have the tendency to have a dry, rough, or wet fingerprints. The client required a high level fingerprint verification that can recognize fingerprints in different conditions. Fast verification speed was also required to minimize the queueing of construction workers.

Centralized Time Management System

The client has different projects that are currently running all over the UAE. In each construction site, the client needs to install 4-7 time attendance devices that need to be synchronized together. The client required to monitor all attendance devices from different locations in one system.

End User: Arabtec Construction

Configurations

System	Device Name	Device Model
Time Attendance	Time Attendance Terminal	G3
	Time Attendance Software	BioTime

Technical Features

- Arabtec Construction has different projects currently going on in the whole UAE. ZKTeco has deployed around 70 units of G3 time and attendance terminals in each construction sites. Before entering and leaving the construction premises, all workers need to punch in and out in order to record their attendance in to the system. High level time attendance terminals have been used for a fast verification speed and to avoid traffic while punching in or out.
- 4-7 units of G3 have been installed in each construction site which are synchronized together. This was made possible by defining the "Area" in the BioTime software. Example, one construction site has 5 units of G3 and has been defined as "Area 1". Another construction has 6 units of G3 and has been defined as "Area 2". Only the attendance devices in "Area 1" will keep data synchronization and so on.
- Some G3 devices were installed in the main office to keep attendance tracking of all office employees.
- All G3 devices were connected to the centralized time attendance software, BioTime. BioTime keeps the attendance records of all construction workers and office employees in one platform. It creates an accurate and precise attendance reports that can be exported every month.

