

The background of the top section is a photograph of two workers in orange safety gear and helmets, suspended by ropes and working on the glass facade of a tall building. The workers are positioned on the right side of the frame, with one slightly higher than the other. The glass reflects the sky and other buildings. A green semi-transparent banner is overlaid on the left side of the image, containing the title text.

Wirelessly Networked Time & Attendance Management Solution with ZKTeco Horus H1 for Johnson Cleaning in Hong Kong

Industry
Service Industry

Location
Hong Kong SAR

Solution
Time & Attendance Management Solution

Client Overview

Johnson Cleaning Services Co. Ltd. (referred to as "Johnson Cleaning") has been dedicated to providing comprehensive quality professional cleaning services to the Hong Kong government and various commercial organizations since 1979. Currently, Johnson Holdings has an excellent workforce of over 8,000 individuals. With its outstanding reputation and high-quality professional services, it has established a leading position in the industry. Today, Johnson Cleaning has become a trusted quality brand in the hearts of Hong Kong people.

Requirements

Precise Attendance Management to Enhance Accountability

Johnson Cleaning has extensive experience in cleaning services, covering various public and private organizations throughout Hong Kong. Among them, Johnson provides cleaning services for government facilities located in non-urban areas. The Government Property Agency of Hong Kong, which employs Johnson, has standardized compliance requirements for managing service contractors, and attendance management is included. While the conventional card-swiping attendance management has led to loopholes in attendance recording, failing to accurately identify whether employees are punctual and present, Johnson Cleaning needed a more effective time & attendance management with enhanced identity authentication.

Challenges

The workplaces where Johnson Cleaning provides cleaning services for the government are located in remote areas, posing significant limitations for attendance management, including:

Lack of Network Coverage

Most digital central attendance systems require network connections for data transmission and management. However, some workplaces Johnson Cleaning serves lack internet coverage. Connecting the attendance system to a wired internet network would incur high installation costs, producing little cost-effectiveness. Without network connectivity, attendance data must be collected manually, which is time-consuming and prone to errors given the large number of work locations.

Difficulty of Fixed Device Installation

In addition to lacking network coverage, the work locations frequently change, making it challenging to install attendance equipment at fixed sites. In some cases, certain work locations do not have fixed facilities, and the costs of installing equipment solely for attendance purposes are exorbitant and not cost-effective.



Solution

ZKTeco Horus H1 Wireless Attendance Management

ZKTeco provided Johnson Cleaning with the ZKTeco Horus H1 Portable Wireless Hybrid-Biometric Time & Attendance Standalone Terminals for the identity authentication, and connected them with the ZKBioTime 8.0 Comprehensive Time & Attendance Management Platform Software for centralized management.

All employees are pre-registered with their personal and facial authentication information on the ZKBioTime 8.0 platform. At all workplaces requiring attendance checking, Horus H1 terminals are deployed and connected to the ZKBioTime 8.0 platform for central management. When Johnson Cleaning 's employees arrive at the work location to check in or leave after completing their work, they simply need to scan their faces on the Horus H1 instead of swiping a physical card. The Horus H1 will conduct facial authentication, and upon successful identification, attendance will be recorded on the ZKBioTime 8.0 platform. Simultaneously, the Horus H1 will capture a photo of the employee for record-keeping, proving their presence and preventing fraud of attendance.

Features and Advantages

Comprehensive Improvement in Attendance Accuracy

The ZKTeco Horus H1 is a powerful portable hybrid-biometric time & attendance management terminal that provides ultimately accurate biometric and other authentication functions, achieving highly accurate attendance records, including:

Facial Authentication for Ultimate Identity Confirmation

The ZKTeco Horus H1 offers advanced facial authentication methods with its cutting-edge ZKFace 5.6.2 facial authentication algorithm, equipped with dual cameras of up to 13 million pixels, capable of effectively and accurately identifying faces from as far as 2 meters away and in as fast as 1 second, with an accuracy rate of 99%. Compared to traditional card swiping, facial authentication effectively validates the true identity of the person checking in.

Photo Evidence to Ensure Attendance Authenticity

In addition to accurate facial authentication, the Horus H1 also features a photo evidence function, capturing a photo during the facial authentication process to assist in proving the attendance of the employee present and preventing proxy clocking

GPS Location to Ensure Correct Worksite

As a portable device, the ZKTeco Horus H1 also provides GPS tracking functionality. When employees check in on the respective Horus H1 terminal, their GPS location will be recorded in the attendance records, ensuring that the checked-in employees have arrived at the designated work location as instructed.

With the powerful attendance authentication capabilities of the Horus-H1, both the identity and work location records of Johnson's employees are highly accurate, ensuring that attendance records can be effectively verified, enhancing accountability, and fully complying with the government's property management compliance requirements

Robust LTE 4G Wireless Network Connection Maximizing Cost-Effectiveness

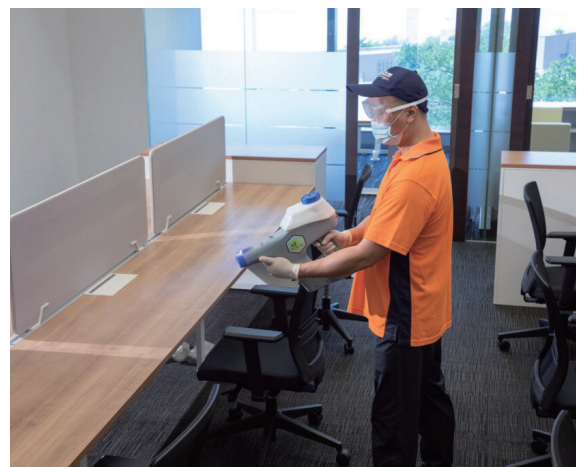
The capability to deploy remote biometric attendance and a central attendance management system in the absence of fixed network coverage relies on the Horus-H1's powerful wireless network features. The Horus H1 is specifically designed for attendance management in complex and variable environments, supporting various wireless network connections, including 3G, 4G, WLAN, and even Bluetooth. In this solution, to address the limitations of wireless signal reception at work locations, a 4G LTE connection is utilized to connect to the server, enabling attendance management to overcome the challenges of poor signal at installation sites, ensuring stable data transmission and user experience. Thus, even in remote and inconvenient areas, the Horus H1 can provide a stable and accurate attendance method, avoiding the costs associated with wiring or hardware installation, maximizing cost-effectiveness.

Convenient and Flexible Attendance Management

The ZKBioTime 8.0 comprehensive attendance management platform software, which connects multiple Horus H1 terminals for central attendance management, is a web-based software that allows HR personnel responsible for attendance management to log in and manage attendance anytime and anywhere. They can review attendance data and utilize a range of convenient functions such as automated scheduling, reducing manual tasks and increasing efficiency while minimizing the chance of errors. Furthermore, ZKBioTime 8.0 supports the generation of attendance reports in various custom formats for effective attendance management.

Strong System Scalability

A significant advantage of ZKTeco products is their robust system compatibility and integration capabilities. ZKBioTime 8.0, as a comprehensive attendance management software, can integrate with numerous third-party platforms, such as HR management systems, ERP systems, and payroll calculation systems, to achieve the most cost-effective functional enhancements. In terms of hardware, ZKBioTime 8.0 is compatible with different hardware devices, allowing for the addition of Horus H1 terminals or other devices such as palm authentication or card authentication systems as needed, without requiring a redesign or reinstallation of the system, achieving maximum cost-effectiveness.



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