



**AsiaQuest**  
Indonesia

aqi.co.id



AQI Integrated Smart Office Solutions

# **Next-Generation Smart Office Technology**

# Transforming the Modern Workplace

In today's digital landscape, organizations face significant challenges managing increasingly complex office operations. As company data continues to grow exponentially, management becomes more difficult, while businesses must remain competitive and innovative to stay ahead.

This reality demands a system that streamlines office operations management. Such a system must deliver simplicity, accuracy, and seamless integration with existing office management applications.

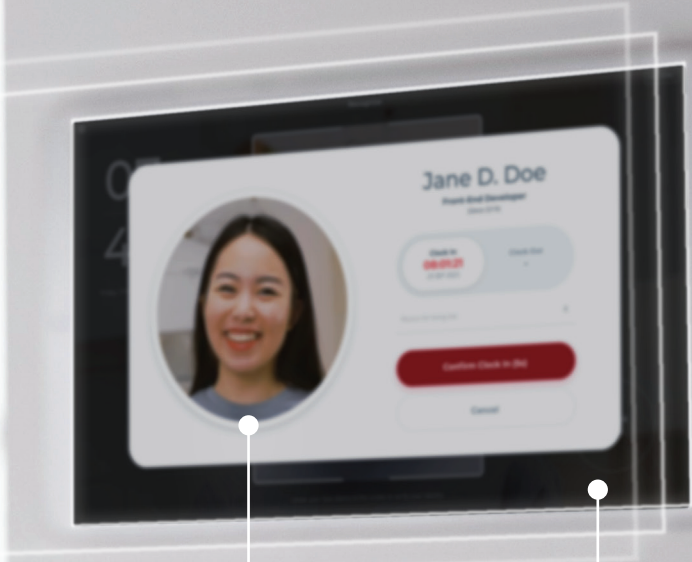


SIMPLICITY

ACCURACY

INTEGRATION

These core principles have driven the development of our comprehensive smart systems: **Smart Attendance, Smart Doorlock, and Smart Workspace.** Each solution is engineered to address specific workplace challenges – efficient attendance tracking, intelligent access control, and optimized daily operational management.



SMART ATTENDANCE

SMART DOORLOCK



SMART HOME

# AQI Smart Office Solutions

AQI Smart Office Solutions represents an integrated ecosystem combining Internet of Things (IoT) technology with complementary digital innovations, including mobile applications and enterprise management platforms like Kintone.

AQI Smart Office Solutions comprises three advanced systems:



# AQI Smart Attendance System: Advanced Attendance Solution with Facial Recognition and Kintone Integration

# 01

Our Smart Attendance System leverages cutting-edge digital technologies to revolutionize employee attendance management.



## Facial Recognition

Powered by sophisticated AI and Machine Learning algorithms, employees can clock in and out quickly and accurately through facial scanning technology.



## Voice Technology Integration

Embedded Text-to-Speech and Speech-to-Text capabilities enable custom messaging and enhanced communication options.



## Interactive Mobile Application

Through our intuitive mobile interface, users can record attendance, review attendance history, and access time-tracking information seamlessly.



## Kintone Integration

Employee attendance records synchronize instantly with Kintone, the trusted management platform used by hundreds of our enterprise clients.



## Automatic Battery Management

Mobile devices feature smart power management to ensure continuous operation, preventing system disruptions due to battery depletion.

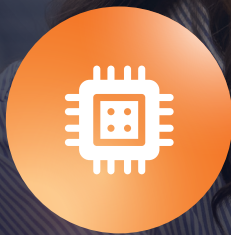
# AQI Smart Doorlock System

# 02

The Smart Doorlock System harnesses IoT technology to enhance office security while improving convenience.

The Smart Doorlock System integrates with our Smart Attendance System, creating a unified solution for access control while maintaining enterprise-grade security.

Key features of the AQI Smart Doorlock System include:



## Electronic Access Control

IoT sensors enable sophisticated management of entry and exit points throughout office environments.



## Smart Attendance Application Integration

The system works seamlessly with our Smart Attendance application, providing a unified interface for two essential functions.



## Comprehensive Access Management

Electronic control allows administrators to define access permissions, schedule access windows, and monitor entry/exit events in real-time.



## Advanced Security Framework

Incorporating IoT sensors, facial recognition, and mobile connectivity, the system supports encryption and role-based access control.



## Dedicated Support

Our technical team provides ongoing maintenance, software updates, and responsive troubleshooting assistance.

# AQI Smart Workspace

# 03

AQI Smart Workspace is an intelligent ecosystem that leverages IoT technology to orchestrate office equipment and environmental controls, including climate systems (AC), printing resources, lighting, and more.

The Smart Workspace platform integrates several technologies:



## IoT Architecture

A framework that connects physical office devices to enable intercommunication, data collection, and intelligent responses to environmental conditions, enhancing efficiency, comfort, and functionality.



## Environmental Sensing

Sophisticated sensors form the foundation of our IoT implementation, collecting critical environmental data. Our solution incorporates diverse sensor types including motion detection, thermal monitoring, ambient temperature tracking, and more.



## Responsive Control Systems

Sensors and actuators work in tandem – sensors gather environmental data while actuators implement appropriate responses, such as adjusting temperature settings or controlling lighting systems.



## Network Infrastructure

Robust Wi-Fi connectivity enables seamless device communication, ensuring all IoT components interact effectively. System performance depends on reliable, high-speed network availability.



## Central Management Interface

A specialized application serves as the control center for monitoring and managing all connected office devices. Administrators access a comprehensive dashboard displaying real-time status and utilization metrics.



## Enterprise-Grade Security

User data privacy remains paramount, with multi-layered security including encryption protocols, two-factor authentication systems, and advanced firewall protection.



## AI and Machine Learning

Intelligent algorithms analyze office utilization patterns and employee behaviors to optimize environmental settings. The system dynamically adjusts temperature, lighting, and resource allocation based on team preferences and work schedules.



## Performance Analytics

An intuitive analytics dashboard visualizes device usage patterns, such as energy consumption, and space utilization metrics. This data-driven approach supports informed facilities management decisions.

Through these integrated technologies, AQI Smart Workspace delivers intelligent automation, enhanced efficiency, and improved comfort while reducing energy consumption and supporting sustainability initiatives.

Users maintain complete control through an intuitive, intelligent mobile interface with robust security protections.



# **The AQL Smart Office Advantage**

**Distinguished Smart Office Capabilities**

# 01

## Integrated Kintone Compatibility

Our Smart Doorlock and Smart Attendance solutions include seamless integration with Kintone, a leading low-code office management platform that enables custom application development without specialized programming expertise.

The AQI Smart Office System synchronizes directly with Kintone, automating attendance record management. The system intelligently flags late arrivals and early departures, streamlining workforce management.



# 02

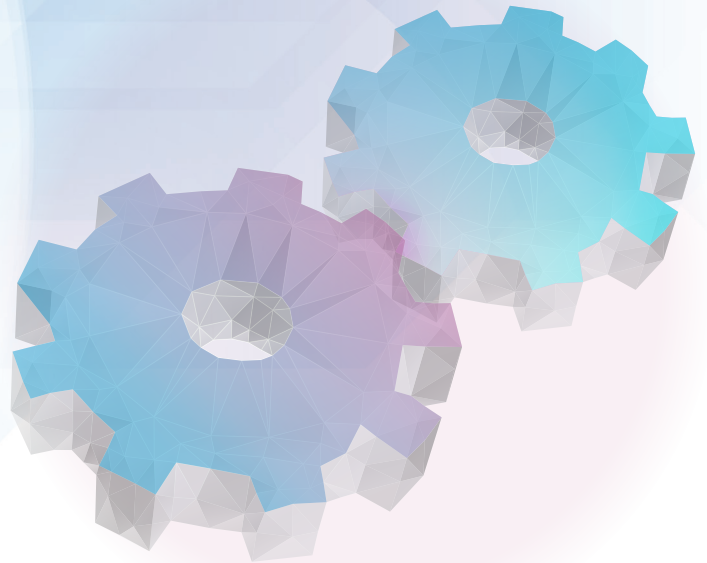
## Enhanced Security Architecture

Security forms the foundations of our Smart Doorlock and Smart Attendance Systems. Security measures protect access points, and systems are in place to safeguard attendance data. This helps protect sensitive information.

# 03

## Customizable Application Framework

Our attendance solutions **offer customization options, allowing clients to align the application with specific business workflows.** The user-friendly interface simplifies attendance management while supporting adaptation to internal policies and procedures.



# 04

## Leading-Edge Technology Stack

AQI Smart Doorlock System implements cutting-edge technologies including Internet of Things (IoT) frameworks to ensure seamless connectivity and real-time data exchange.

This technology foundation enables Smart Doorlock and Smart Attendance solutions to continuously evolve, delivering enhanced user experiences while supporting emerging business requirements.



# 05

## AQI Support

Our technical team provides ongoing support and maintenance to ensure Smart Doorlock and Smart Attendance solutions deliver optimal performance.\*

This support includes regular software updates, proactive bug resolution, and responsive technical assistance for any challenges or inquiries.

\*)Terms and conditions apply



# Transform Your Workplace with AQI Smart Office Solutions

Smart Office systems enhance workplace efficiency, productivity, and comfort by integrating complementary technologies. Here's why your organization needs an AQI Smart Office system:

## 01 Operational Efficiency

Smart Office systems automate repetitive administrative tasks, streamlining processes and reducing manual effort.

By shifting routine responsibilities like attendance tracking, document management, and equipment monitoring to intelligent systems, employees can focus on strategic initiatives and creative contributions.



## 02 Energy Optimization

Smart Office systems support corporate sustainability initiatives by addressing the environmental impact of carbon emissions on marine and terrestrial ecosystems.

Our Smart Workspace solution enables intelligent management of office utilities, including lighting, air conditioning (AC), and ventilation systems based on actual utilization.



## 03 Advanced Security Infrastructure

The Smart Office ecosystem enhances organizational security through advanced technologies, including facial recognition access control, and secure data storage protocols.





## 04 Remote Work Enablement

As distributed workforces become increasingly common, organizations need intelligent systems to monitor productivity regardless of physical location.

The Smart Office System adapts to remote work requirements with features like **mobile attendance tracking** and collaborative tools that maintain team cohesion regardless of location.

## 05 Operational Cost Reduction

While implementing a Smart Office system requires initial investment, the long-term benefits deliver significant returns. These include reduced staffing requirements for administrative tasks, lower energy consumption, and numerous additional operational efficiencies.



## 06 Competitive Differentiation

Adopting a modern workplace environment with integrated intelligent systems enhances your organization's market position. This forward-thinking approach demonstrates innovation while creating a flexible, secure, and comfortable environment that attracts high-performing talent.

## 07 Future-Ready Adaptability

Smart office technology features scalable architecture and adapts to rapidly evolving business environments. The system integrates easily with emerging technologies and receives continuous updates to ensure your workplace leverages the latest innovations.





## Case Studies

# AQI Attendance System

## Project Background

**AsiaQuest Indonesia, established in 2012, is a leading national IT consulting firm specializing in IT consulting, software development, and technology partnerships.**

The company has implemented a hybrid work model combining on-site and remote arrangements according to organizational policies. Employee attendance management presented significant challenges, particularly for the HR department, which needed to collect monthly attendance data from legacy fingerprint scanners for all personnel.

As headcount increased, attendance management became increasingly difficult, requiring manual data exports to spreadsheets. Remote employees recorded attendance through the Kintone application or web portal. This fragmented approach significantly increased the HR team's administrative burden.

To address these challenges, we initiated a project to develop a comprehensive solution.

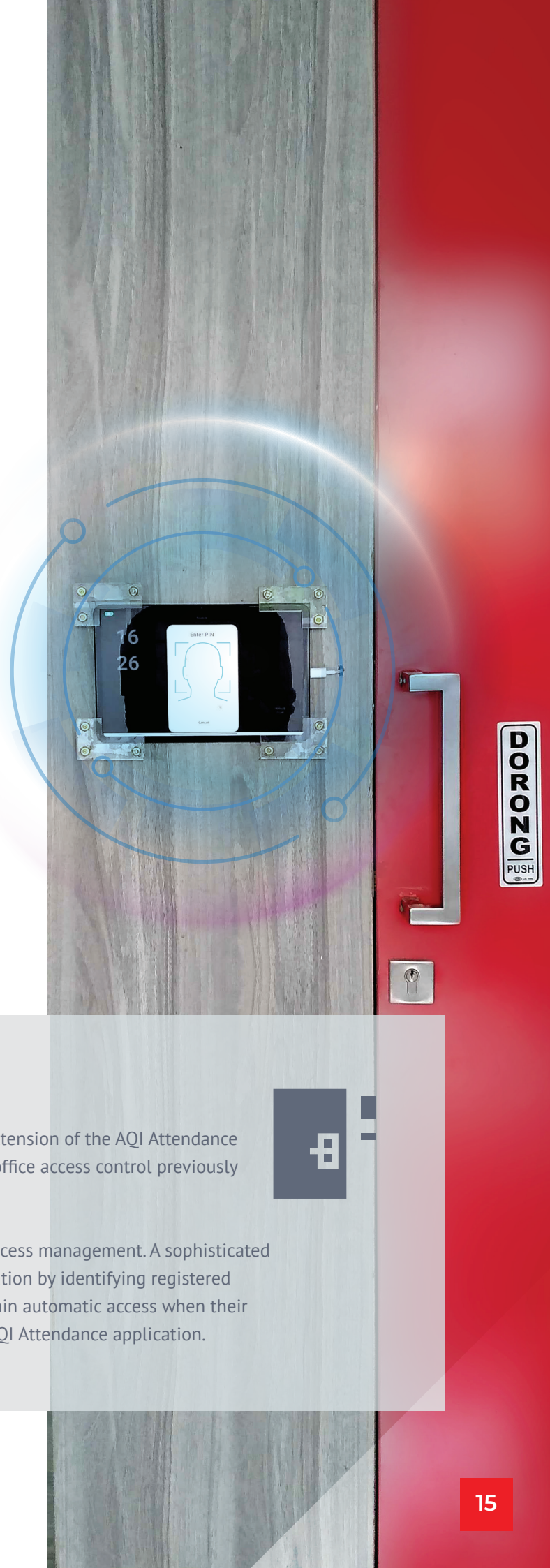
## **Solution Implementation**

We developed AQI Smart Attendance, an innovative attendance system powered by facial recognition technology. Following months of prototype refinement, the team successfully launched a mobile application featuring facial recognition capabilities fully integrated with the Kintone office management platform.

## **Outcomes**

After several months of testing, employees no longer experience attendance verification failures caused by aging, unreliable fingerprint hardware. Staff now record attendance through the AQI Smart Attendance application using facial scanning, with data automatically synchronized to Kintone.

The HR team has eliminated the need to consolidate fragmented attendance data from separate sources, including biometric terminals and the Kintone platform used by remote employees.



## **AQI Doorlock System**

The AQI Doorlock System evolved as a natural extension of the AQI Attendance System. The initial concept aimed to modernize office access control previously dependent on conventional keys.

The system employs IoT sensors for electronic access management. A sophisticated backend system controls entry and exit authorization by identifying registered employee facial profiles. Authorized personnel gain automatic access when their facial scan is successfully authenticated by the AQI Attendance application.





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