CASE STUDY - BUSINESS CENTER

KIGALI BUSINESS CENTER, RWANDA



BACKGRUOND

Kigali Alliance Business Center represents the pinnacle of commercial real estate development in Rwanda. KABC was conceived to address the growing demand for world-class business facilities in Kigali's rapidly expanding economy.

Located strategically in the heart of **Kigali's business district**, mixed-use development combines premium office spaces, retail opportunities, dining experiences, and wellness facilities under one roof. and more than **200 parking spaces**.



With a 95% occupancy rate and increasing vehicle traffic, the parking lot needed to manage not only internal customer vehicles but also temporary parking access. After several months of discussions, the Qigong parking management system and payment system were ultimately chosen to provide effective assurance for parking lot security and revenue.

CUSTOMER REQUESTS

- A **real factory**, and the equipment and systems are **all developed in-house** by the manufacturer.
- Have a system **IT development team** that can flexibly develop and integrate systems.
- Modernized mixed parking system **with and without tickets**
- **License plate recognition** technology at exits and entrances
- **Integration with MOMOPAY** in Rwanda enables mobile payments.
- **Real-time monitoring and data analysis** through Qigong parking management system
- A **central self-service payment station** is needed, which supports payment in banknotes and coins and provides change.



OUR SOLUTION



To ensure the smooth progress of the project, the client traveled to Qigong's Foshan headquarters in February 2025 for an on-site inspection. After five days of mutual understanding and repeated discussions of the proposed solutions, the client was highly impressed with our group's strength and delivery capabilities, and the contract was finalized on-site.

The parking lot consists of **two entrances and two exits**. All entrances and exits use license plate recognition technology to manage vehicle entry and exit, **supporting Rwandan banknotes and coins**, as well as mobile payments. The entire solution comprises **smart barrier gate**, **smart license plate recognition integrated machine**, **central self-service payment machine**, and the **Qigong parking management system**. Because we have completed many projects in Rwanda, our system has integrated MoMoPay payment, saving us significant time and costs.



When a vehicle enters, the license plate recognition camera identifies the license plate number and automatically opens the barrier gate. At this point, the system begins billing and timing, and the control center captures a photo of the vehicle entering. Before exiting, the customer pays the parking fee at the self-service payment terminal, which is recorded by the system. Upon exiting, the system automatically allows entry after recognizing the license plate, completing the closed loop. The system comprehensively records vehicle entry and exit images, time, and fees, displaying the detailed data on the license plate recognition LED display screen. Customers can clearly see their spending, achieving transparent payment.

Qigong Parking Management System provides operational data and financial status for the entire parking lot, supporting operational decisions. Our system also supports monthly and annual pass customers, whitelists, and blacklists, providing convenience and greater operational flexibility for management.