



# MawaqifNGo

Intelligent parking wayfinding systems that ensure easy navigation and optimized space usage.



**KEMET**  
INNOVATION TECHNOLOGIES

[www.kemet-technologies.com](http://www.kemet-technologies.com)

MawaqifNGo is an advanced indoor navigation and wayfinding solution designed to help visitors seamlessly navigate complex indoor environments. The system provides intuitive, interactive, and visually guided routes to destinations such as stores, service zones, facilities, parking areas, and points of interest.

Built for high-traffic indoor spaces, MawaqifNGo combines intelligent route calculation, gesture-based map interaction, QR-code initiation, and multilingual support to deliver a smooth and accessible navigation experience across multiple platforms.

The solution is ideal for shopping malls, airports, hospitals, corporate campuses, public buildings, parking structures, and large commercial facilities.



## MODELS

KIN101

## INDOOR NAVIGATION SYSTEM

### FEATURES:

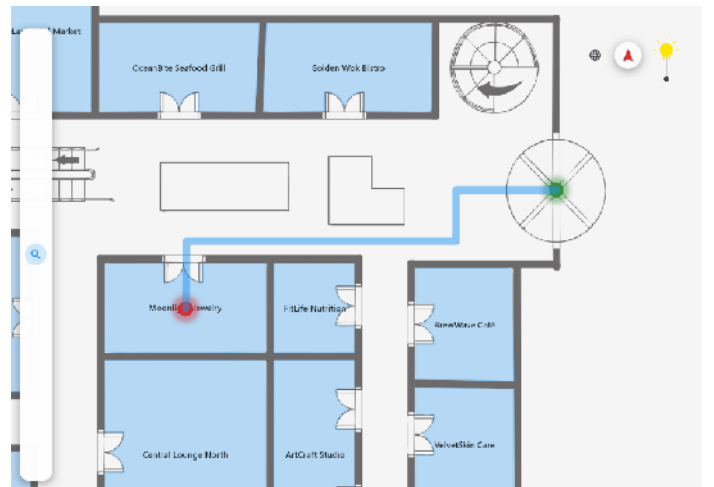
- **Route Calculation:**
  - *Instantly determines and renders the shortest, most efficient path between any two selected points of interest.*
- **Comprehensive Directory:**
  - *Provides rapid, searchable access to all destinations, facilities, and service points within the mapped environment.*
- **QR Code Route Initiation:**
  - *Allowing users to scan a pre-positioned QR code to instantly define their starting location on the map.*
- **Gestural Control:**
  - *Supports intuitive multi-touch inputs for panning, zooming, and map rotation*
- **Dynamic Visual Guidance:**
  - *Enhances user clarity through the animated drawing of the route path and the use of distinct, pulsing markers for start and end locations.*
- **Bilingual Localization:**
  - *Supports both **Arabic (AR)** and **English (EN)** languages.*
- **Dynamic Theming:**
  - *Offers seamless transition between **Dark Mode** and **Light Mode**.*
- **Content Management Dashboard:**
  - *Interface for full control over map content, allowing authorized users to manage:*
    - Store/Zone Names and Information:**  
Edit descriptive details for all locations.
    - Imagery:**  
Upload and update images associated with each location or POI.
    - Categorization:**  
Assign and modify categories for effective directory searching.
- **Multi-Platform Support.**



# INDOOR NAVIGATION SYSTEM BEACON BASED

## FEATURES:

- **Route Calculation:**
  - Instantly determines and renders the shortest, most efficient path between any two selected points of interest.
- **Indoor Positioning via Beacons:**
  - See yourself on the map with live indoor location tracking that follows your movement in real time.
- **Comprehensive Directory:**
  - Provides rapid, searchable access to all destinations, facilities, and service points within the mapped environment.
- **QR Code Route Initiation:**
  - Allowing users to scan a pre-positioned QR code to instantly define their starting location on the map.
- **Gestural Control:**
  - Supports intuitive multi-touch inputs for panning, zooming, and map rotation.
- **Dynamic Visual Guidance:**
  - Enhances clarity through animated route paths and distinct, pulsing markers for start and end locations.
- **Bilingual Localization:**
  - Supports both **Arabic (AR)** and **English (EN)** languages.
- **Dynamic Theming:**
  - Offers seamless transition between **Dark Mode** and **Light Mode**.
- **Content Management Dashboard:**
  - Provides authorized users full control over map content, including:
    - Store/Zone Names and Information:**  
Edit descriptive details for all locations.
    - Imagery:**  
Upload and update images associated with each location or POI.
    - Categorization:**  
Assign and modify categories for effective directory searching.
- **Multi-Platform Support.**



# INDOOR NAVIGATION (CAR FINDING SYSTEM IN A PARKING)

## FEATURES:

- **Route Calculation:**
  - Instantly determines and renders the shortest, most efficient path between any two designated points within the parking structure
- **Comprehensive Directory:**
  - Provides rapid, searchable access to all parking zones, levels, facilities, and major entry/exit points.
- **QR Code Route Initiation And Car Recall:**
  - Allows scanning a pre-positioned QR code to define their starting location on the map and Supports the entry of specific alphanumeric zone codes.
- **Gestural Control:**
  - Supports intuitive multi-touch inputs for panning, zooming, and map rotation.
- **Dynamic Visual Guidance:**
  - Enhances user clarity through the animated drawing of the driving/walking path and the use of distinct, pulsing markers for the start and destination locations.
- **Bilingual Localization:**
  - Supports both **Arabic (AR)** and **English (EN)** languages.
- **Dynamic Theming:**
  - Offers seamless transition between **Dark Mode** and **Light Mode**.
- **Multi-Platform Support.**



# AUTOMATIC GARAGE PAYMENT MACHINE

## SYSTEM OVERVIEW

The Automatic Garage Payment Machine is a self-service solution designed to automate parking fee collection in garages and parking facilities. It allows users to pay parking fees quickly and securely using multiple payment methods, reducing congestion, minimizing staffing requirements, and improving operational efficiency. The system integrates seamlessly with parking management systems, access barriers, and license plate recognition (LPR) technologies.

## HARDWARE SPECIFICATIONS

### Payment Terminal Cabinet

- Industrial-grade metal enclosure
- Powder-coated steel housing

### Display Unit

- Industrial LED display
- Screen size: 15" touch screen
- Resolution: Full HD (1920×1080)
- High brightness for clear visibility
- Multi-language user interface support (i.e. AR, EN).

### Payment Devices

- Contactless card reader (NFC – Visa, Mastercard)

### Ticket & Identification Handling

- Barcode / QR code scanner for parking tickets
- Optional RFID card reader



### Processing & Control Unit

- Mini PC
- CPU: Core i5 or higher
- RAM: 8GB
- Storage: SSD 256GB
- Watchdog timer for auto recovery

### Connectivity & Power

- Network: Ethernet, Wi-Fi
- Power supply: 110–240V AC
- Internal UPS for safe shutdown



## SOFTWARE SPECIFICATIONS

### Operating System

- Embedded Windows
- Hardened OS for kiosk operation
- Auto-start application on boot

### Parking Payment Application

- Intuitive touch-based user interface
- Multi-language support (AR, EN).
- Real-time fee calculation based on parking duration (NTP Server)
- Ticket-based
- Multiple tariff and pricing rules

### Payment Processing Software

- Secure payment gateway integration
- Real-time payment authorization

### System Integration

- Integration with parking barriers and gate controllers
- Integration with central parking management systems
- API support for third-party systems

### Remote Management & Monitoring

- Centralized web-based management platform
- Real-time machine status monitoring
- Remote configuration and software updates
- Transaction logs and audit trails

## SCALABILITY & CUSTOMIZATION

- Supports single garage or multi-site deployment
- Custom branding and UI themes
- Configurable pricing models and tariffs
- Modular hardware expansion

## SHAPE AND DIMENSIONS

Dimensions: 60x40x150 cm



### Reporting & Analytics

- Daily, weekly, and monthly revenue reports
- Transaction summaries by payment method
- Usage and peak-hour analytics
- Exportable reports (PDF / Excel)

## KEY BENEFITS

- Faster parking payment process
- Reduced operational costs
- Improved customer convenience
- Secure and reliable transactions
- 24/7 unattended operation



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