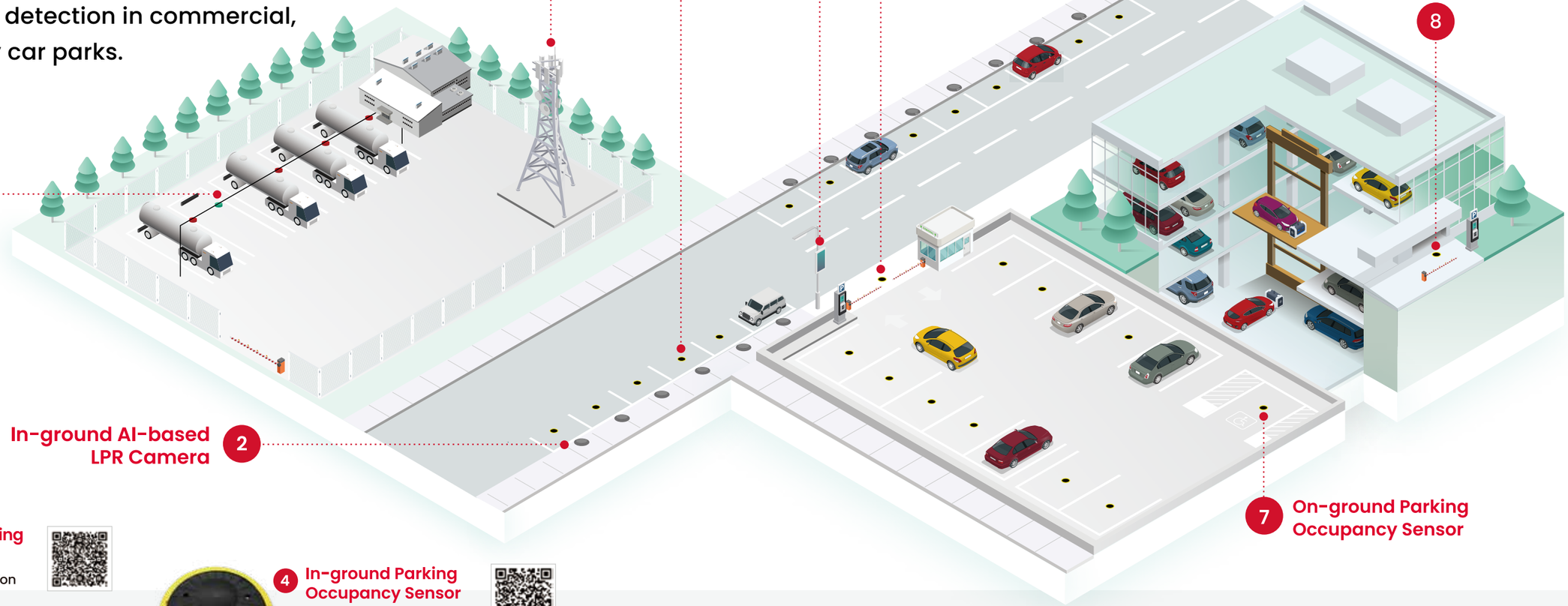
# Automated and AI-driven Smart Parking Solution

The sensor-based smart parking solution combines an AI-edge / backend license plate recognition camera and PDA camera, compatible with smart ground sensors, for automated street parking billing, entry barriers, and occupancy detection in commercial, outdoor, and multistorey car parks.



### 1 Smart Parking Sensing Guidance LED

- Ceiling-Mount Installation
- NB-IoT / LoRa Wireless Signal Report
- Occupancy with 360 Degree LED Guidance

### 2 In-ground AI-based LPR Camera

- AI-based Edge Computing ANPR Camera
- LTE-M / 11ah Wireless Signal Report
- Battery-powered with Ease-of-swap Design

### 3 Smart LoRa Gateway

- Uplink and Downlink Signals
- LoRa Wireless Communication
- Ethernet Backhaul

### 4 In-ground Parking Occupancy Sensor

- In the Ground Installation
- NB-IoT / LoRa Wireless Signal Report
- Dual-sensing element

### 5 Smart CMS

- Wall/Pole-mount installation
- NB-IoT / LoRa wireless signal transfer
- Directional and numerical vacant slot guidance

### 6 Smart Wired Entrance Barrier Detector

- On the ground installation
- Wired signal report (dry contact)
- Dual-sensing element

### 7 On-ground Parking Occupancy Sensor

- On the ground installation
- NB-IoT / LoRa wireless signal report
- Dual-sensing element

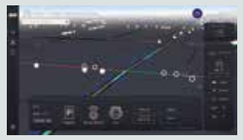
### 8 Smart Wired Entrance Barrier Detector

- In the ground installation
- Wired signal report (dry contact)
- Dual-sensing element

## IoT View Management Platform

- IoT View Management Platform
- Dashboard for On/off-street status
- Device management for analytics
- Daily maintenance for install/dismantle

On street License Plate Recognition



Realtime Information

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