



BEMOBILE

Mobility Pricing - Instrument for Improving Urban Traffic

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Table of Contents

Mobility Objectives

Restricting Urban Access :

1. Parking Rules
2. Advanced Urban Access Management
3. Congestion Charging

Be-Mobile NV

Mobility Rights Services

Tolling Control Platform



GNSS Tolling

Road User Charging

Congestion Charging

Payment Control Platform



On-Street Parking

Off-Street Parking

Tunnel & Bridge Tolling

Low Emission Zone Tolling
(ZFE: Zone Faible Emission)

Multimodal mobility payment



4411

SMS, web, app, in-car

On-trip companion



Transport & logistics app



TRUCKMEISTER

Standalone or linked with
management platform

Mobility Objectives

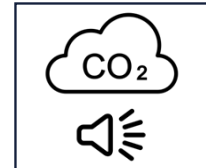
1. Maintain and improve **road infrastructure**



2. Reduce **congestion**



3. Reduction of **pollution** and **noise**



4. Funding of **public transport**



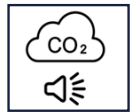
5. Enable the **modal shift**



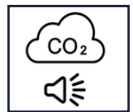
Managing Urban Access: Cascading Order



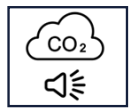
- 1. Stationary in the city center**
Determine where vehicles stop (and park) in the city center.



- 2. Arriving at the city center**
Further steer mobility by giving priority to public transport and keep polluting vehicles out of the city center.



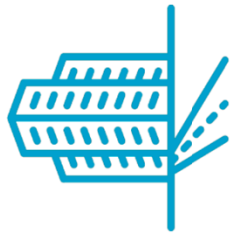
- 3. Moving in the city center**
Implement Distance based Congestion Charging to ensure the user/polluter-pays principle applies, only let visitors access the city centre and organize shared mobility.



1. STATIONARY



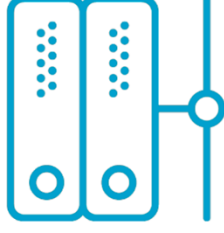
PARKING CONTROL CENTER (PCC) IN NUMBERS



108 cities



21 app providers



7 modules



4 HW providers



15 million
transactions p/year



€ 50 million
processed p/year



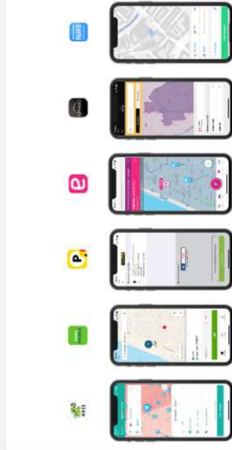
1 million
enforcement calls
p/minute



60 million
user accounts

PARKING CONTROL CENTER (PCC) OVERVIEW

1. Activate multi-provider



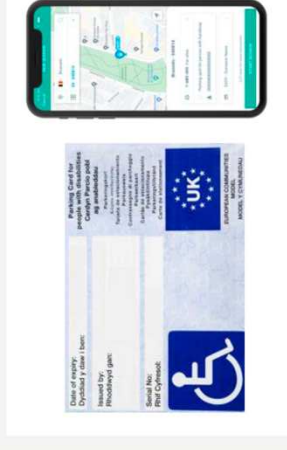
2. Apply advanced tariffs and geo-zones



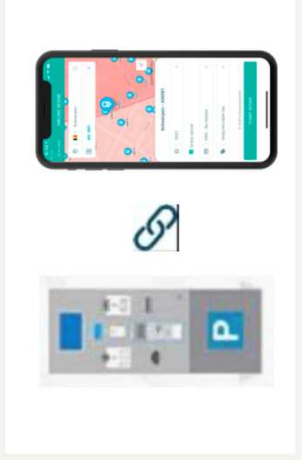
3. Incorporate vouchers and permits



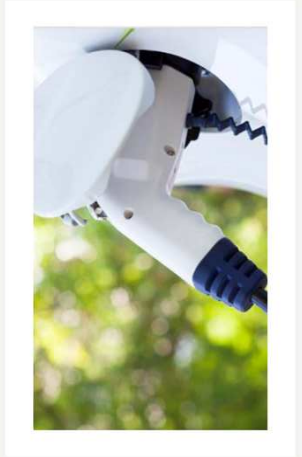
4. Digitize Blue Badges



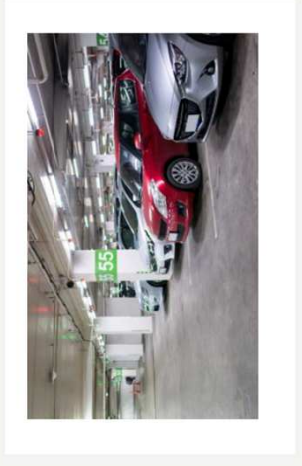
5. Link Parking meters and mobile providers



6. EV-Charging



7. Off-Street



A low-angle shot of a traffic light against a clear blue sky. The green light is illuminated, showing a textured lens. The text "2. ARRIVING" is overlaid in white, bold, sans-serif font.

2. ARRIVING

Ease Acces For Certain Groups

Create rules for Urban Access Management

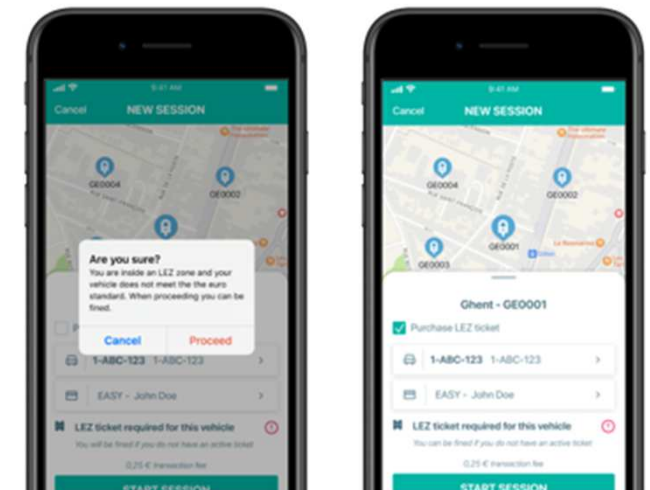
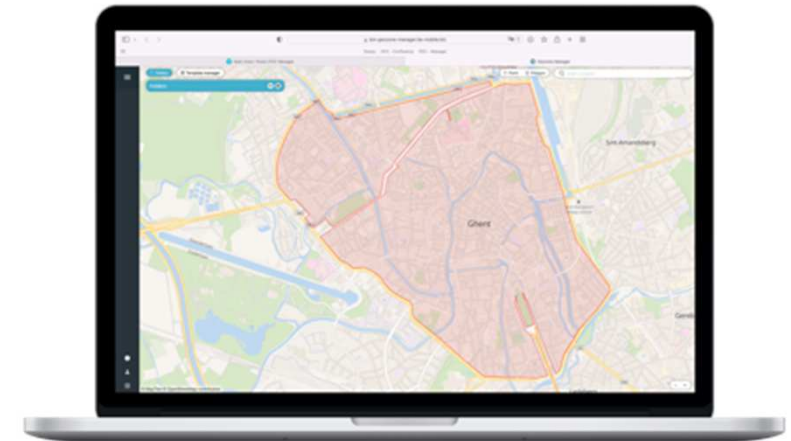
- Low Emission Zones
 - Draw Low Emission Zone
 - Determine which vehicle types should get access
- Priority Management
 - Select intersections where priority can be requested
 - Select groups that can request priority
- City Logistics
 - Determine access times
 - Determine access routes

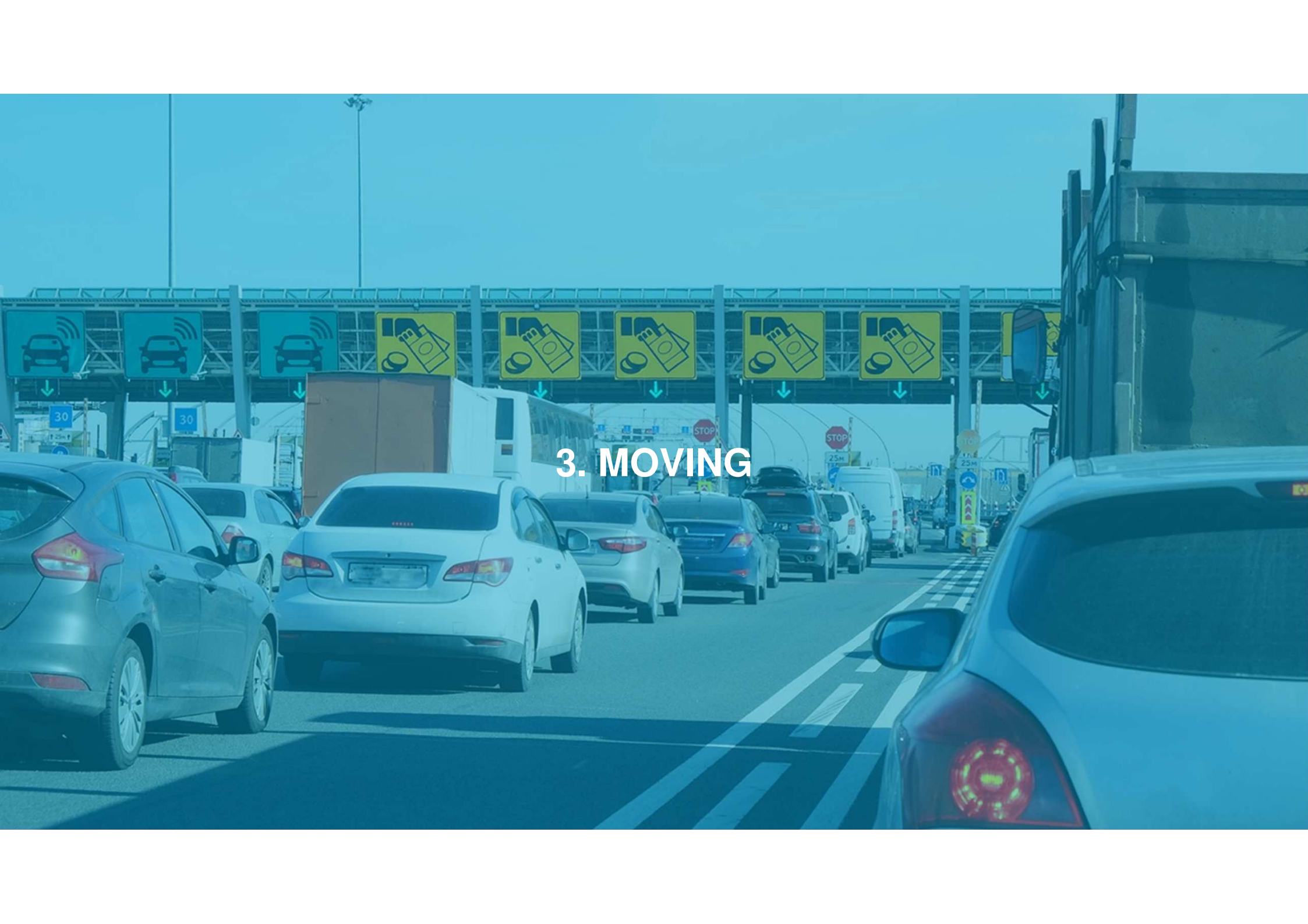
Manage exemptions

- White list groups (e.g.: priority vehicles)
- Exclude certain roads or highways from the Low Emission Zone
- Set days on which the rules do not apply
-

Communicate

- Display the rules to end users
- Set security so that the correct people can request access, control mobility and issue a fine





3. MOVING

Untangle Traffic Bottlenecks

Improve Living

Define smart mobility pricing (congestion charging)

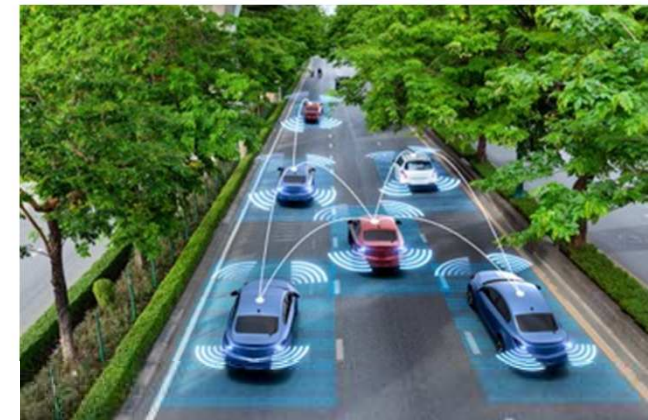
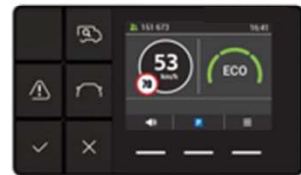
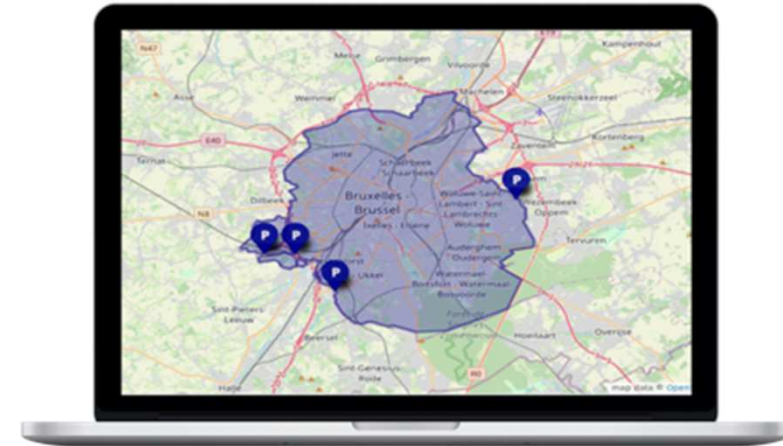
- Shift to better working and living in the city
 - User pays => measure distance traveled
 - Polluter pays (more)
 - Smart pricing based on traffic density

Manage exemptions

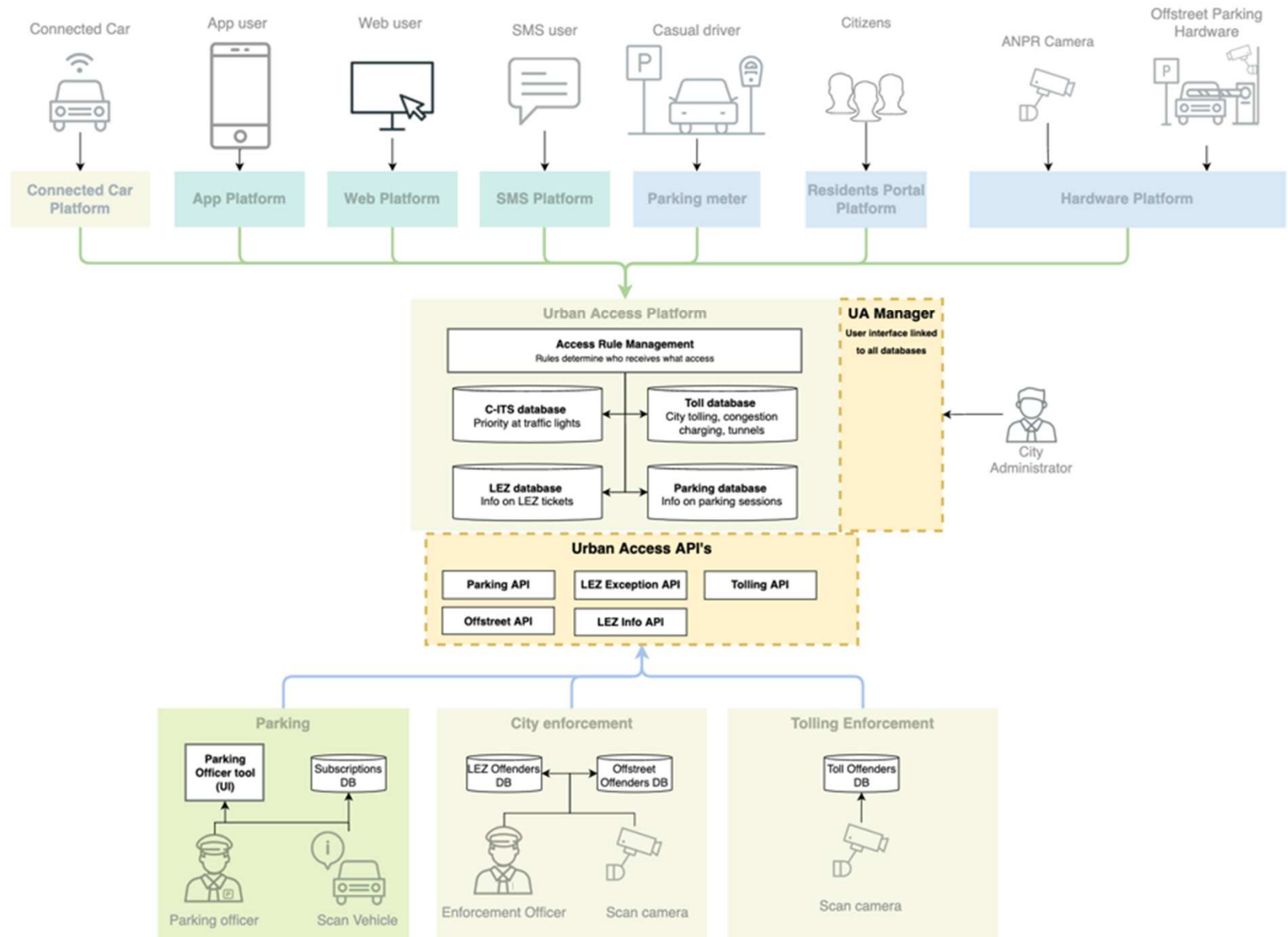
- Equity principles
- Set days/time on which the rules do not apply
-

Communicate

- Display rules to end users
- Inform on better alternatives
 - Before trip
 - During trip
 - After trip
- Portal with personal data
 - Save money by driving earlier/later
 - Benchmark public transport alternatives



Technical Ecosystem



The background of the entire slide is an aerial photograph of a city intersection. It shows several cars (white, red, blue, yellow) and many pedestrians crossing the street. Overlaid on this image is a wide, semi-transparent white horizontal banner. In the center of this banner is the BEMOBILE logo. The logo consists of the word "BEMOBILE" in a bold, sans-serif font. The "O" is replaced by a circular graphic made of concentric rings in shades of teal, blue, and red.

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Do you have questions?