

 *Cleverciti*
P

Clever Parking with Cleverciti

- New: Cleverciti Card -

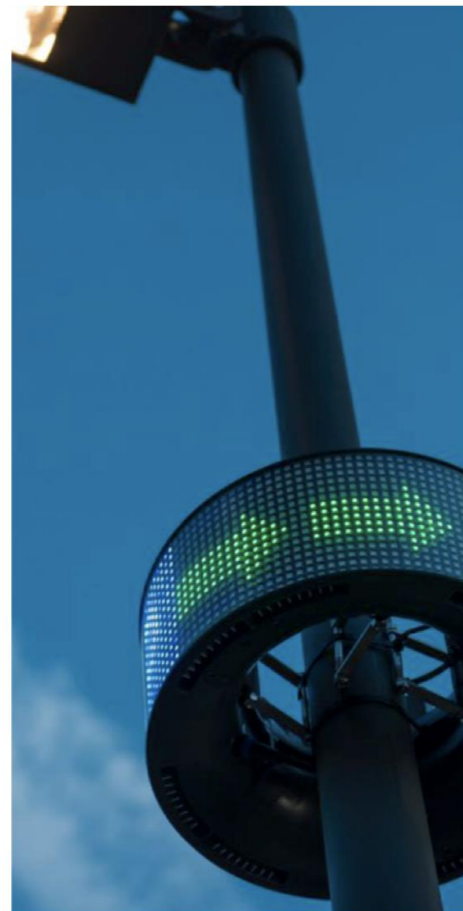
 **ClevercitiCard**

The Cleverciti Product Portfolio

Artificial Intelligence
Edge Computing
Overhead Sensors



Local Parking Guidance
Signage
Messaging

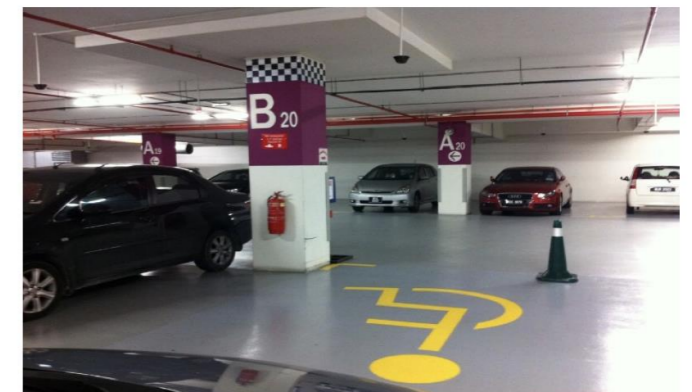


Digital Parking Guidance
App Features
Management Dashboards

Spots	
	Oakbrook Center
	MAC Cosmetics
	The Cheesecake F...
	lululemon athletica
	Tommy Bahama
	Vineyard Vines
	Wildfire
	Louis Vuitton



Cleverciti Card
Indoor & Outdoor
Guidance & Management
Permits & Payment



The Cleverciti Product Portfolio

Cleverciti Sensor



Detection of all cars
Navigation to free parking spaces,
Analytics, Illegal parking
Outdoor

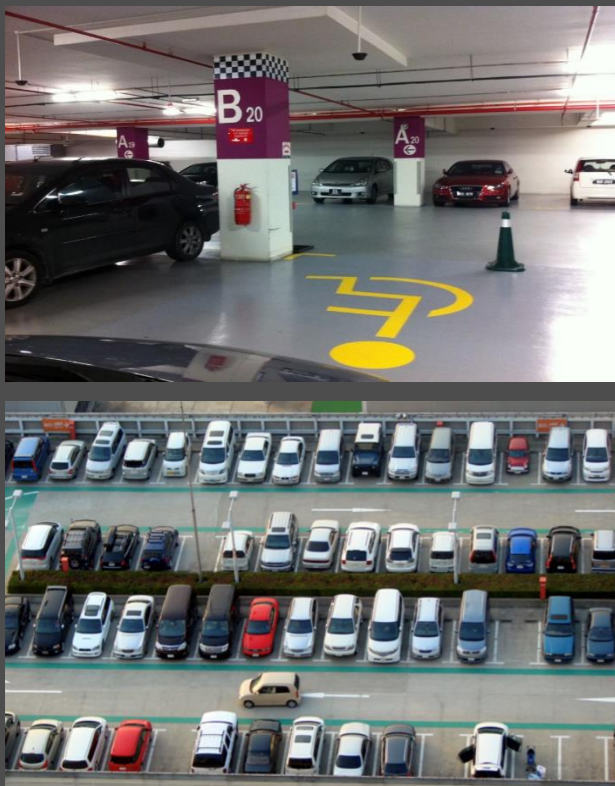
Cleverciti Card



Detection of card users
Identification, Permits,
Payment, Navigation
Indoor + Outdoor

The Cleverciti Card – All Functions in a Single Card

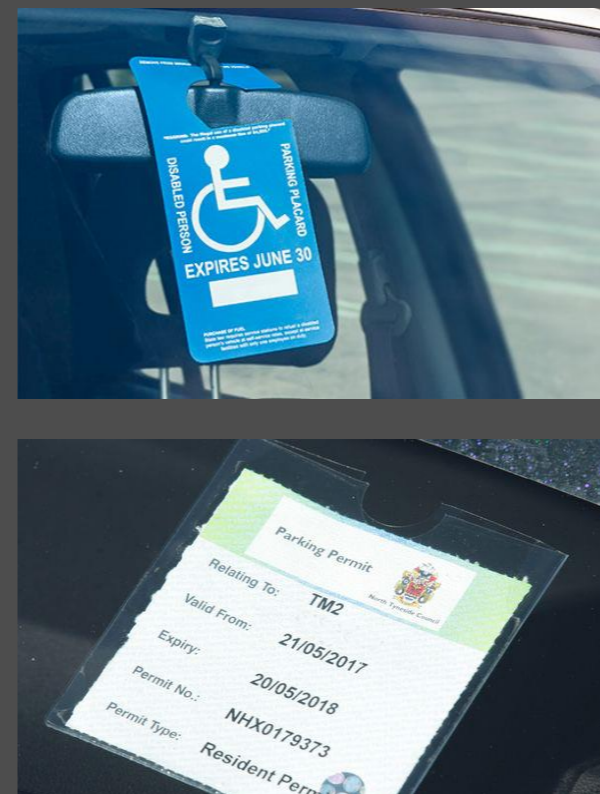
**Indoor
& Outdoor Parking
Guidance and
Management**



**Identification of
Cars, Locations
and Spaces**



**Permissions
&
Reservations**



**Fully automated
seamless
Payment**



Indoor & Outdoor

The Cleverciti Card - Technology

- Active Card placed in the car (credit card size, battery life 12 months, rechargeable)
- Communication between Card and external Anchors mounted in garages, on surface parking areas and on-street parking
- System measures exact position of card/vehicle to within 25 square centimeters.
- Card can be assigned certain rights and permissions.
- Patented indoor and outdoor parking system



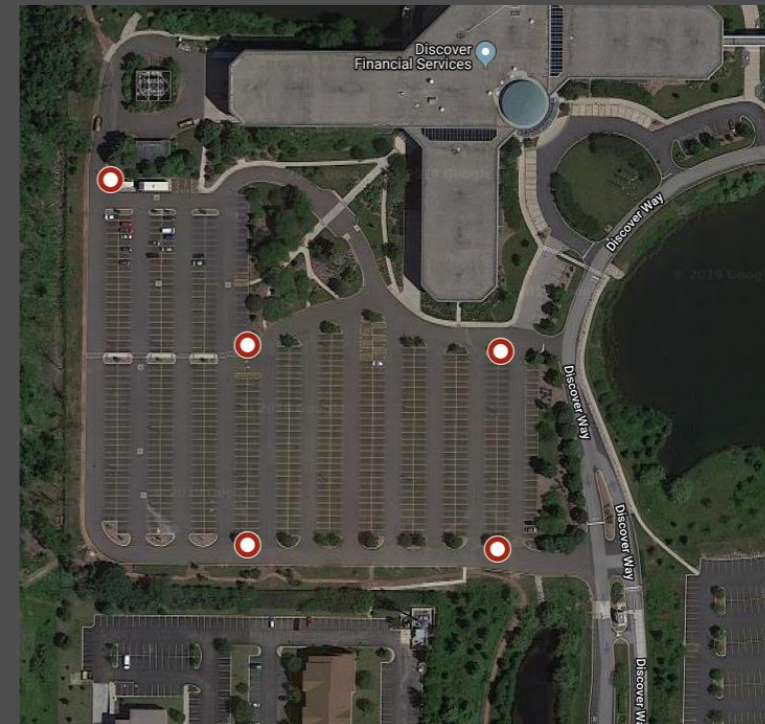
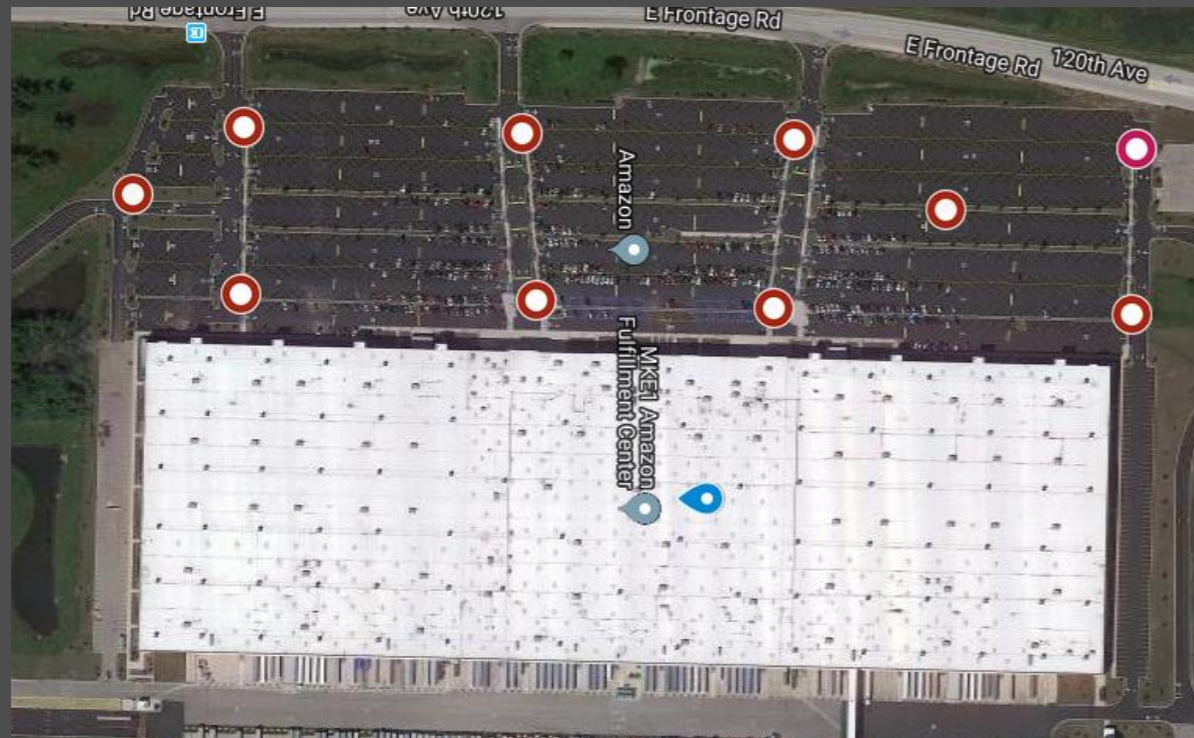
Installation in Outdoor Surface Lots

- Minimal infrastructure costs for large surface lots – examples:



2000 spaces – 10 Anchors

600 spaces – 5 Anchors



Installation in Garages

- Fraction of the cost of indoor overhead solutions (ultrasonic, infrared, cameras)
- Fast installation without any interference of the parking operations
- Plus superior additional opportunities like permits, reservation, payment



The logo for ClevercitiCard, with 'Cleverciti' in a green sans-serif font and 'Card' in a bold black sans-serif font, all contained within a white rectangular box.

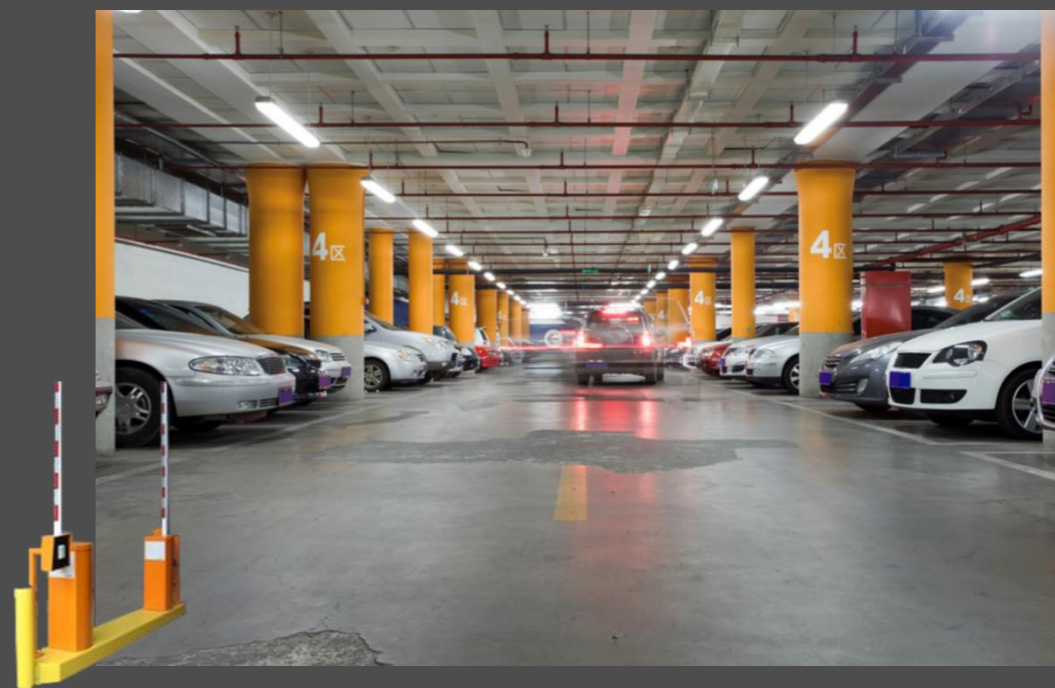
A New Dimension
for
Corporate Parking



A New Dimension for Corporate Parking

Typical Use Cases:

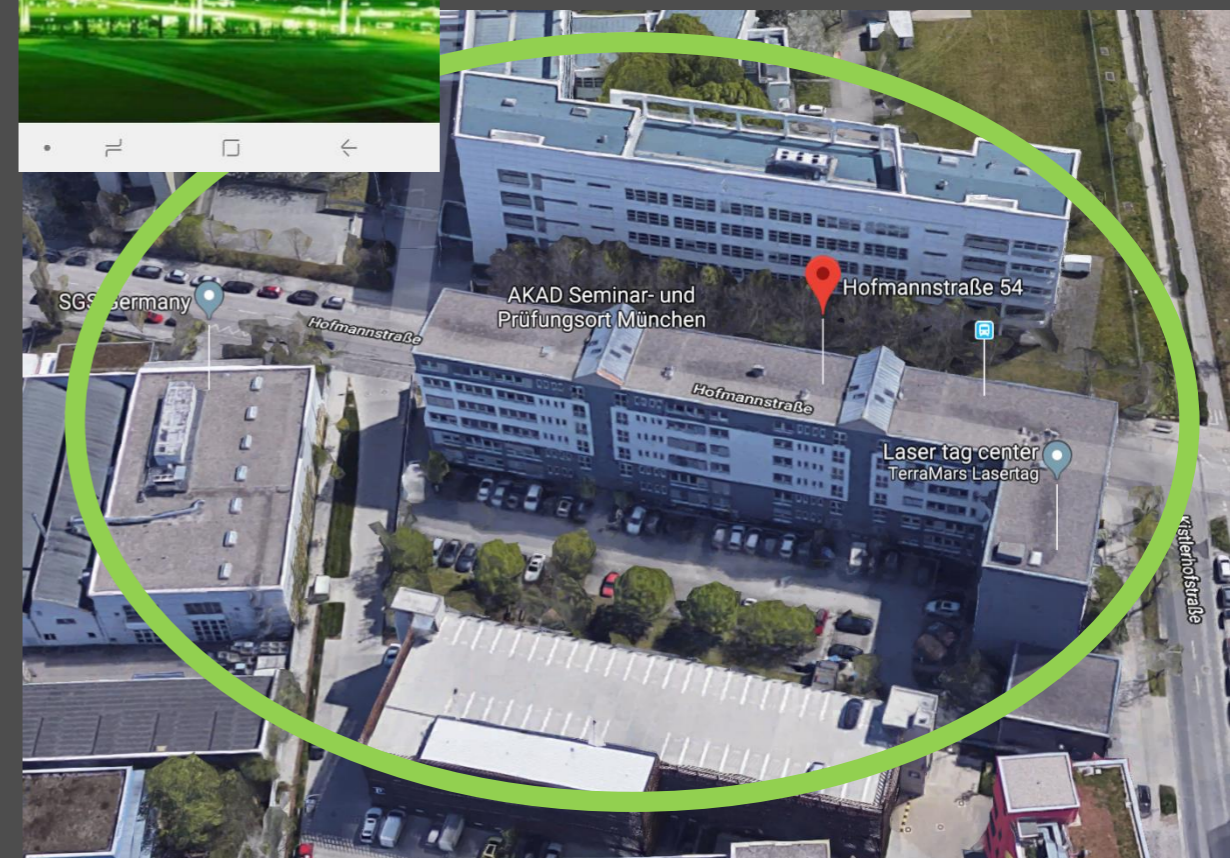
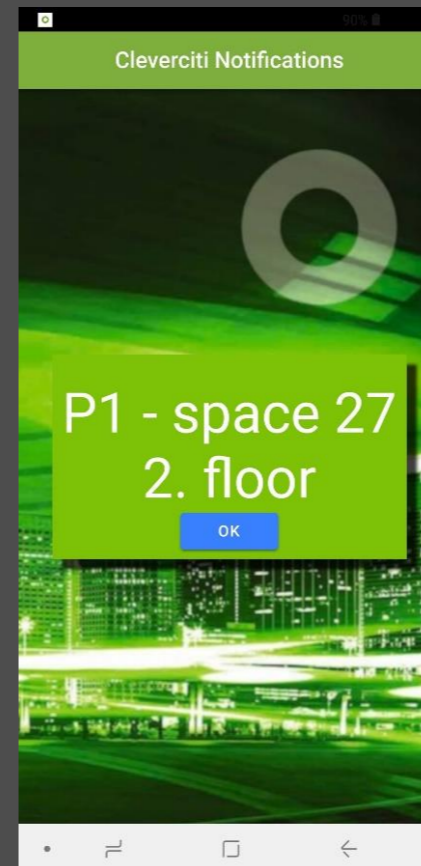
- Parking guidance - local and digital (save time)
- Permits and reservations
- Increase capacity of car park by multiple users per space
- Security – identify each vehicle, identify non-employees
- Management and analytics (peak times, areas)



Example for Instant Digital Parking Guidance via Mobile

Example for Mobile Guidance:

- Geofenced push message on mobile with allocated free space upon entry of parking area
- Guidance to nearest space to destination, for instance to individual office building
- Guidance to space or area according to permit
- 'First come first serve' options
- Reservation of spaces and more



 ClevercitiCard

for

Parking Logistics

Locate Precise Position of Car



Card ID: #237899-12
Position: Row 7, Place 35
GPS: 53.527206 / 9.918959
License Plate: n.a.
TOA: 9:28 AM 2/28/2019
Length of Stay: 120h 28m
Model: Ford Galaxy
Color: Silver
Other: ...

Car Fleets, Truck Parking, Logistics

- **Car Manufacturers, Resellers, Car Sharing, Car Rental**
Identify and find position of parked cars in large parking areas - indoor and outdoor
- **Corporate Fleets**
Find a selected fleet car on the parking area, allocate or reserve parking spaces for certain users
- **Bus Depots**
Localize parked buses for drivers and service personal





The Disruptive New Payment and Permit System for Cities, P+R and Universities

 Cleverciti**Card** Cleverciti**Card**

City, P+R and University Parking – Fully automated payment

Fully automated payment

- Precise localisation of the card/vehicle is the precondition for fully automated payment services.
- Position will be linked to relevant parking fees and combined with time of the day and length-of-stay.
- After initial registration parking fees can be automatically paid in the Anchor zones without even pushing a single mobile button.



City, P+R and University Parking – Digital Permits

Digital Permits

- The Cleverciti Card can be assigned certain parking rights and permissions.
- This new Digital Permit replaces various hardcopy versions.
- Examples are Digital Permits for Residents, Disabled people, Loading Zones, Car Sharing, Electric Cars.
- Also pre-paid season tickets e.g. for Park & Ride and University Campus parking can be replaced.



City, P+R and University Parking – Combination of Cleverciti Card & Sensors

Navigation to free parking spaces

- In open/public areas (no closed user groups) navigation to free parking spaces will be possible by the combination of the Cleverciti Card and Cleverciti Sensors.
- Those vehicles without a Cleverciti Card will be detected by the Cleverciti Sensor system to localize free parking spaces.
- Anchors for the Card are built in the Sensors to minimize installation work.

