

Open Parking Data To Help Drivers and Managers

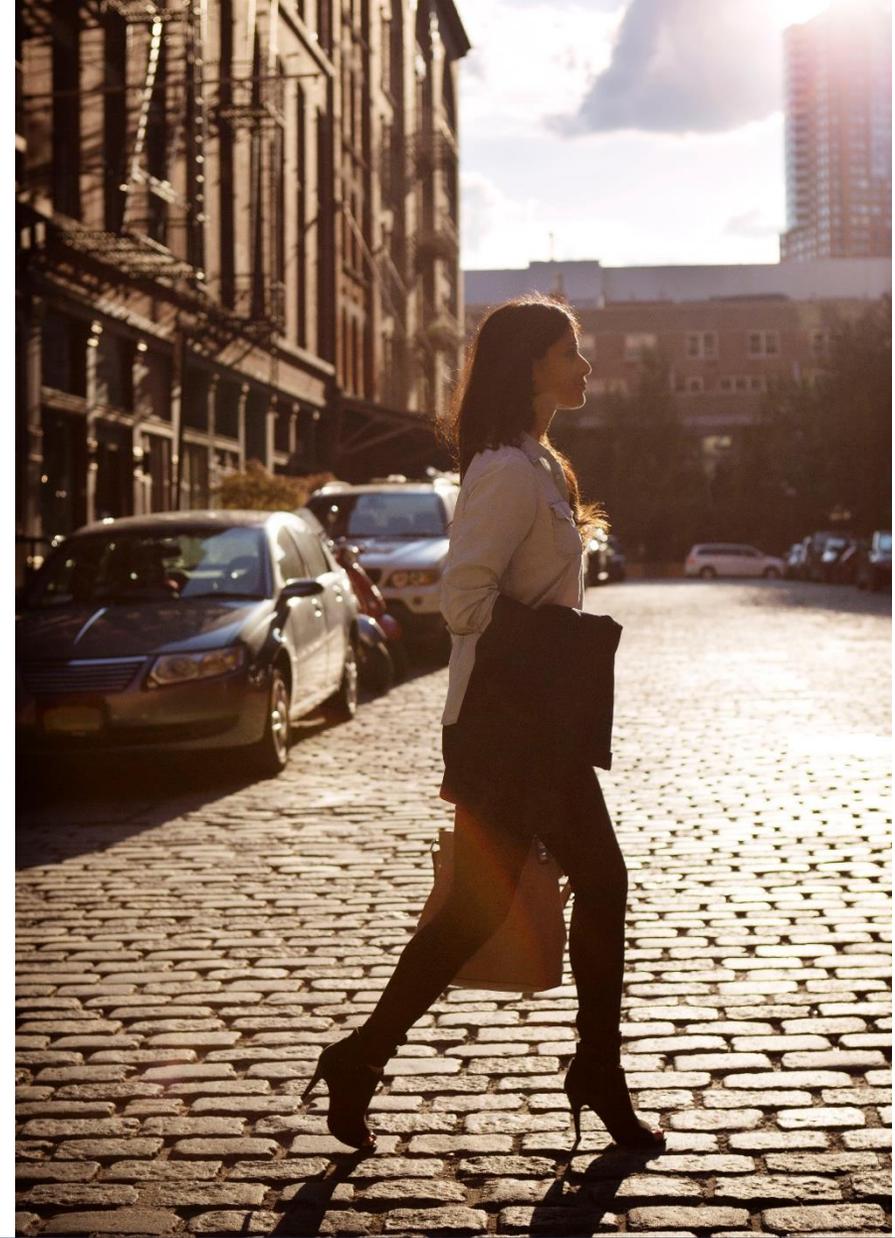
Sam Friedman
VP and GM Parking
15.09.2016



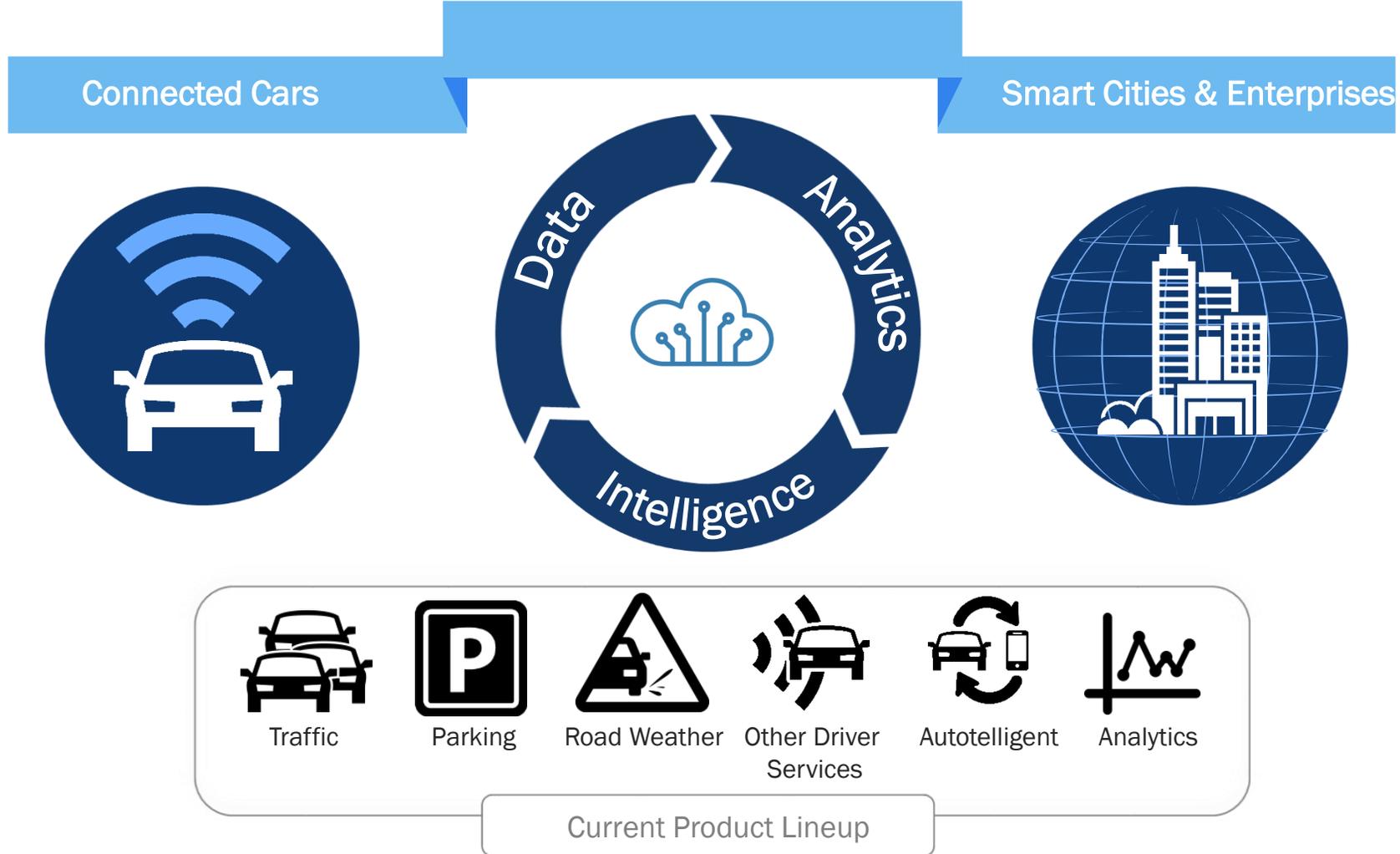
Who is INRIX?

Leading Global Provider of Connected Car Services
& Transportation Analytics

Our mission is to make it easier,
safer and more enjoyable for
people in motion by improving
transportation worldwide.



INRIX Mission: Improving transportation worldwide by connecting cars to smarter cities



Vision for Smarter Parking

A Seamless Parking Experience

FIND all parking options and get directions
(regardless of type)

Quickly **COMPARE** prices, availability and
other criteria like hours and accessibility

Conveniently **PAY** parking within your car or
on your mobile phone



Today's Parking Reality for Drivers

20 mins

Average time spent looking for a parking spot

60%

Number of drivers who abandon their search for parking at least once

55 hours

Time the average driver wastes each year looking for parking

30%

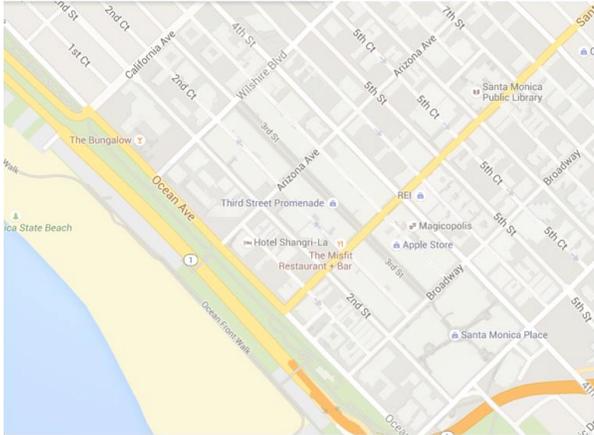
Amount of urban traffic is caused by drivers searching for parking



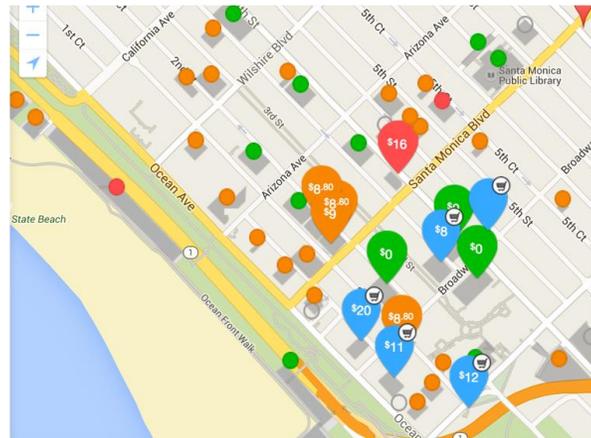
Product Overview

Parking data dissemination

Turning this...



Into this!



Parking Data Overview

Two types of parking

- Off-Street: parking lots, garages, underground, etc.
- On-Street: parking meters, street parking, etc.



Rates



Operational Hours



Entrance Points



Photographs



Real-Time Occupancy*



Facility Types



Payment Types



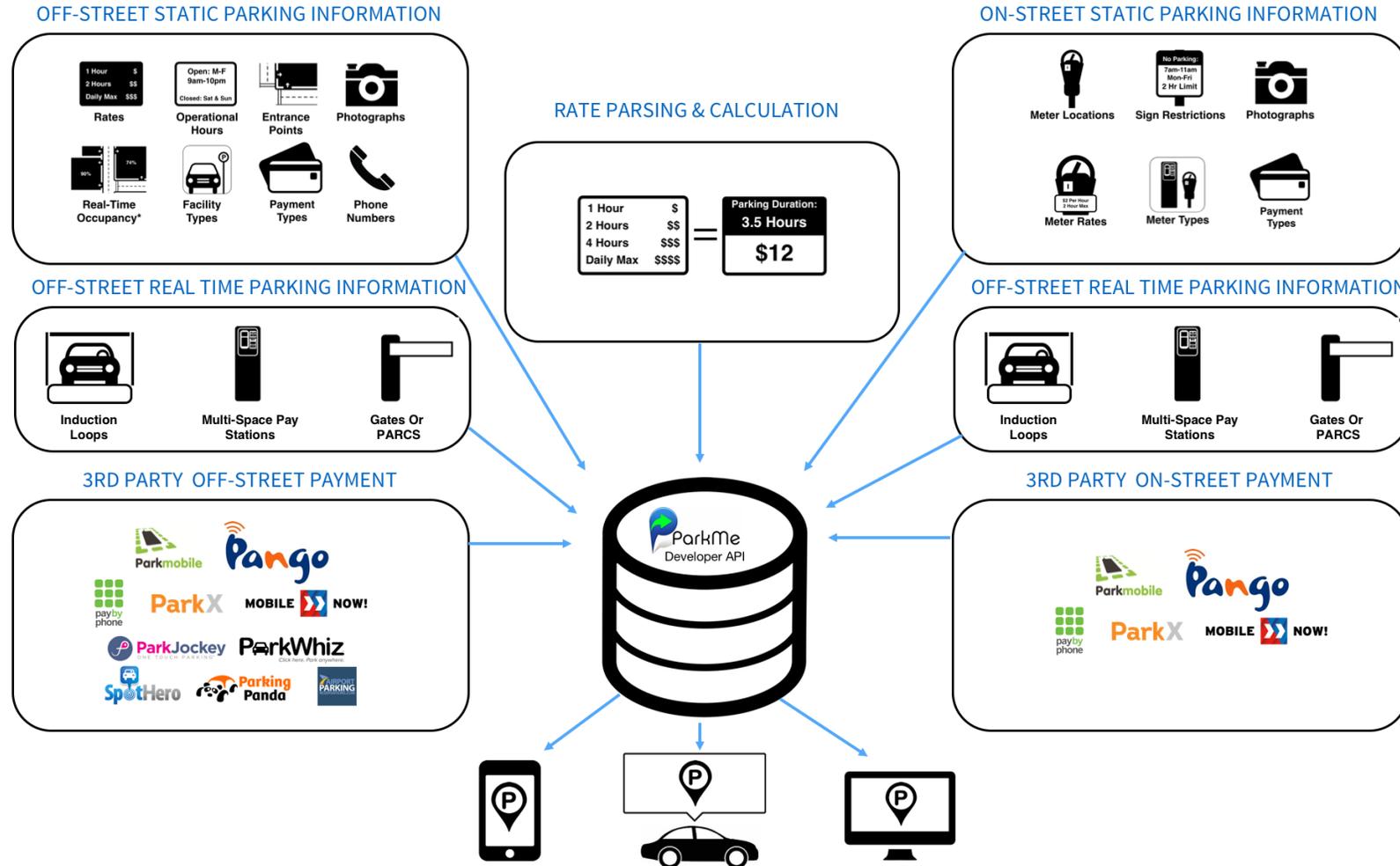
Phone Numbers

Two classifications of data

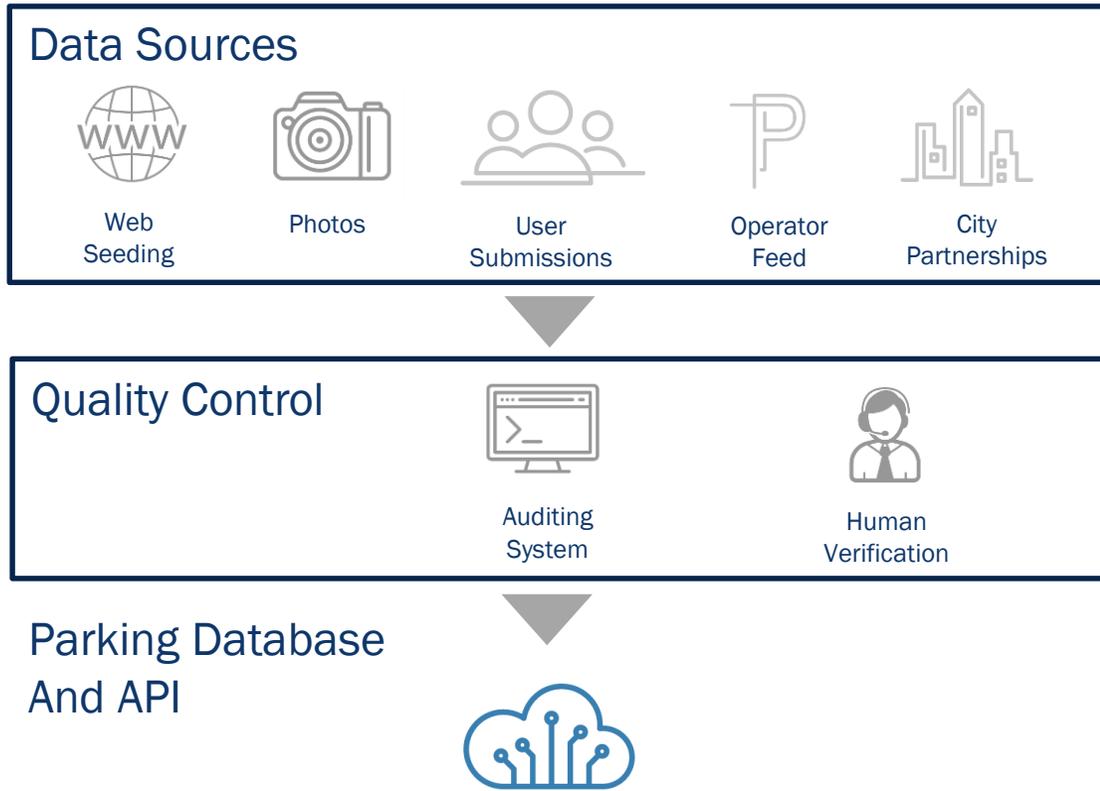
- Dynamic: real-time occupancy
- Static: lot details, rates, hour, location, etc.



Parking API: The World of Parking in a Single API



Approach For Open Data



OPERATORS

APCOA PARKING, City Park, ABM Parking Services, InterPark, ATLANTIC PARKING, MultiPark, COLONIAL PARKING, impark, VINCI PARK

EQUIPMENT MAKERS

PARKEON, IPS GOLF, WPS WORLDWIDE PARKING SOLUTIONS, SCHEIDT & BACHMANN, T2 SYSTEMS, DIGITAL, CALE, CASE PARKING, ZEAG, SKIDATA, AMANO, FEDERAL APD Federal Signal Corporation, DATAPARK

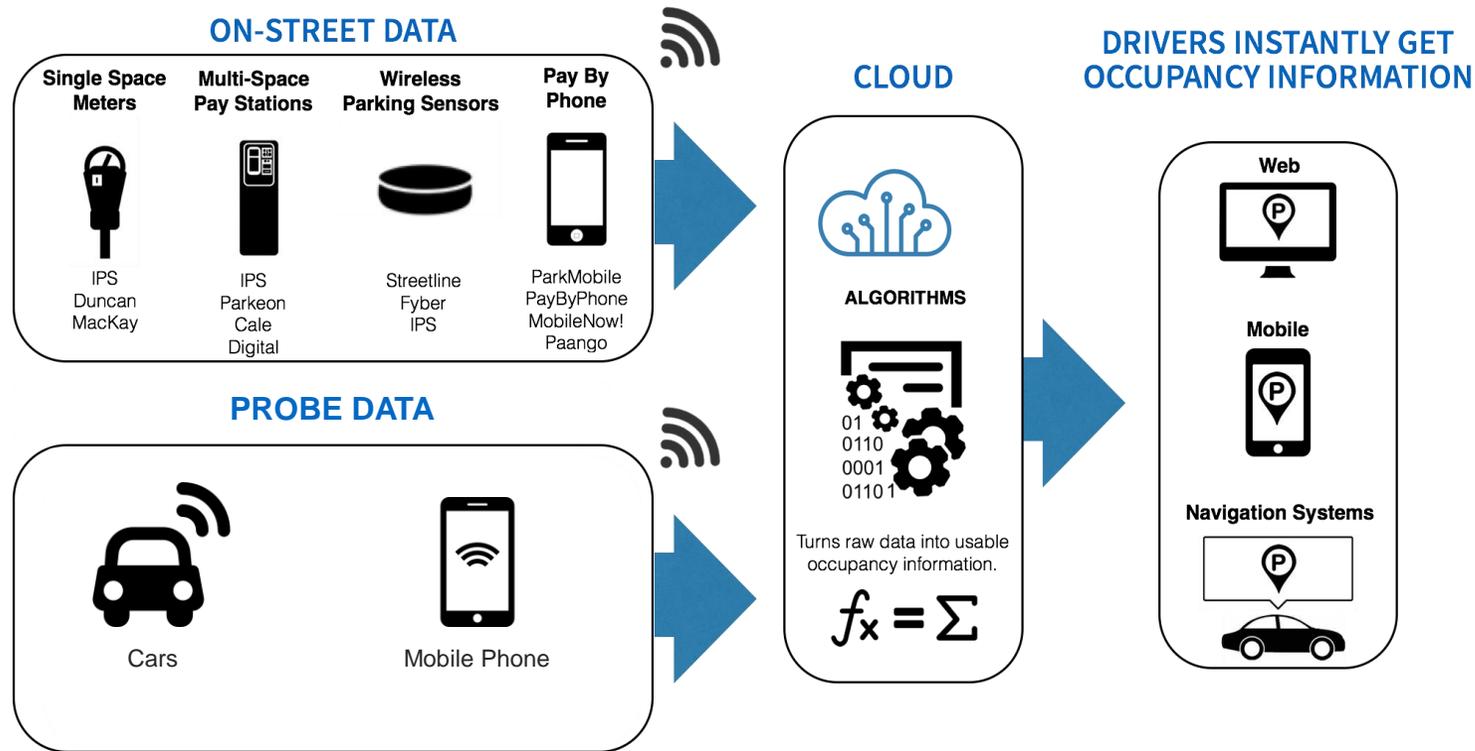
CITIES

CITY OF SANTA MONICA CALIFORNIA, MIAMI BEACH INCORPORATED MARCH 26 1915, CITY OF CORAL GABLES FLORIDA, CITY OF AUSTIN, CITY OF LONG BEACH INCORPORATED 1897, CITY OF WALNUT CREEK, City of Dallas, CITY OF LAS VEGAS NEVADA, CITY OF ORLANDO FLORIDA THE CITY BEAUTIFUL, CITY OF LOS ANGELES FOUNDED 1781



Off-Street Parking: How It Works

Combines data from multiple sources



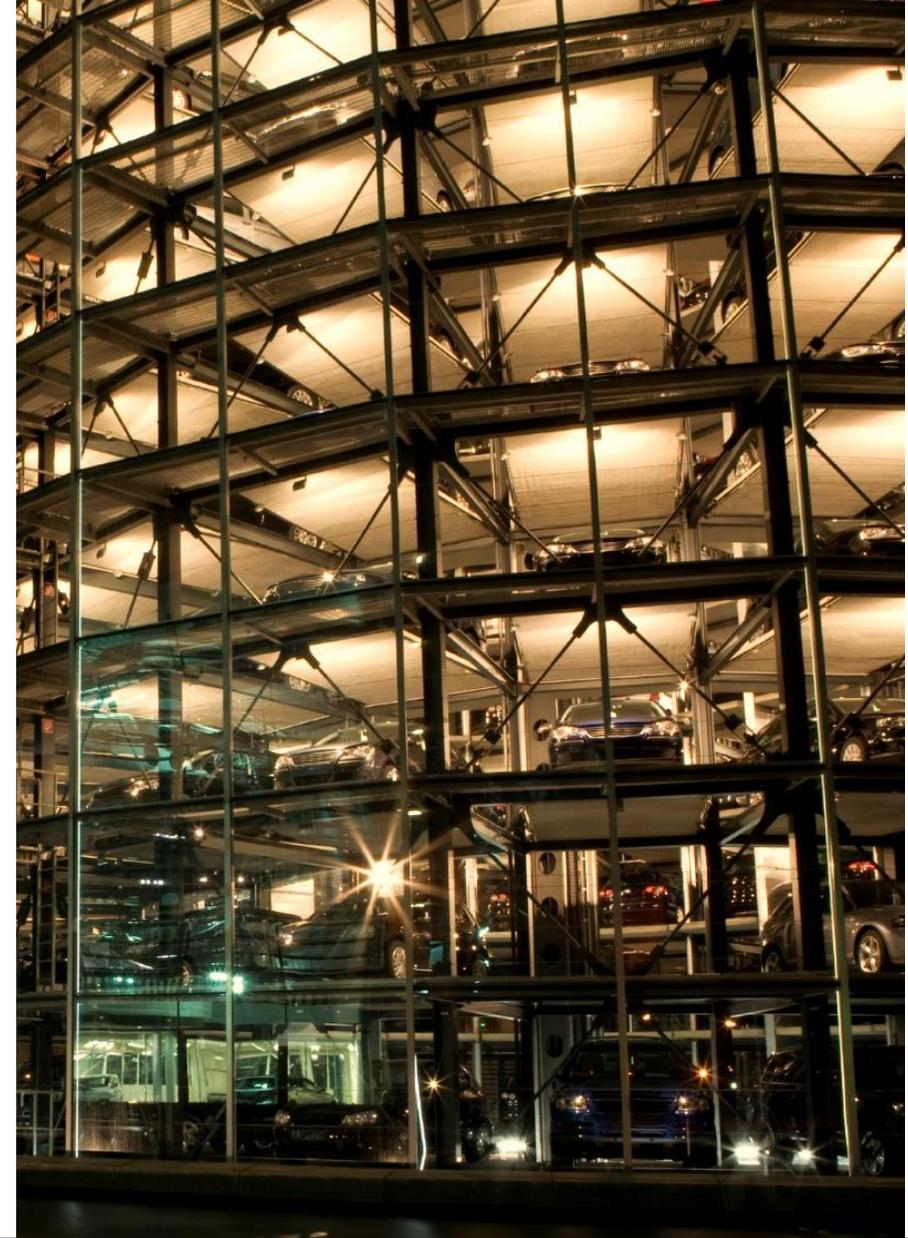
Off-Street Parking Data

Static Data Set

- Address & contact info
- Geo location (of entrance)
- Hours of operation
- Capacity (number of spaces)
- Lot polygons
- Lot rates (1, 2, 8 & 12 hour stays)
- Payment types accepted
- Reservations accepted
- Height/lot restrictions
- Type of parking lot
- Access restrictions
- Photos of parking lot

Dynamic Data Set

- Parking lot availability
- Timestamp of last update
- Availability trend data (coming)
- Reservations (coming)
- Payments (coming)



On-Street Parking Data

Static Data Set

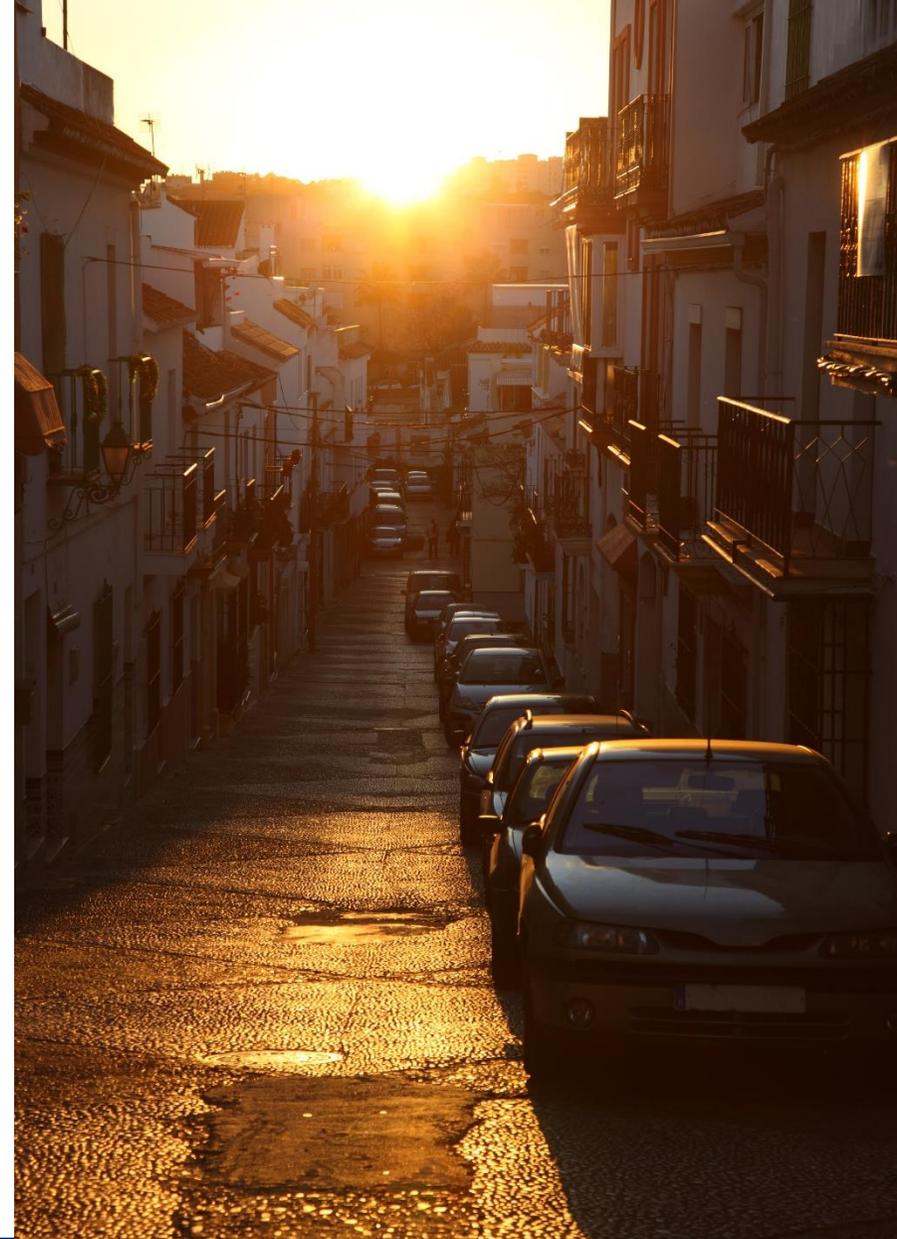
Includes key attributes by block or zone

- GPS coordinates
- Street name
- Pricing rates
- Current parking restrictions and policy rules

Dynamic Data Set

(Updated at least every 5 mins)

- Availability trend data (coming)
- Real time occupancy level (red/yellow/green)
- Predicted occupancy level at specific Time (later functionality)
- Data available in several formats
- Updated at least every five minutes



Thank You.

