LOS ANGELES

A CITY THAT CONTINUOUSLY
ADAPTS TO THE FUTURE.

City of Los Angeles, California, United States of America

1920's
oil and the automobile recreated the city

1800's
the train made the city possible

1924
first traffic management system anywhere

City of Los Angeles, California, United States of America

1969
the internet was created at UCLA

UCLA

1983
cell phones arrived in Los Angeles

1984
ATSAC started in LA

City of Los Angeles, California, United States of America
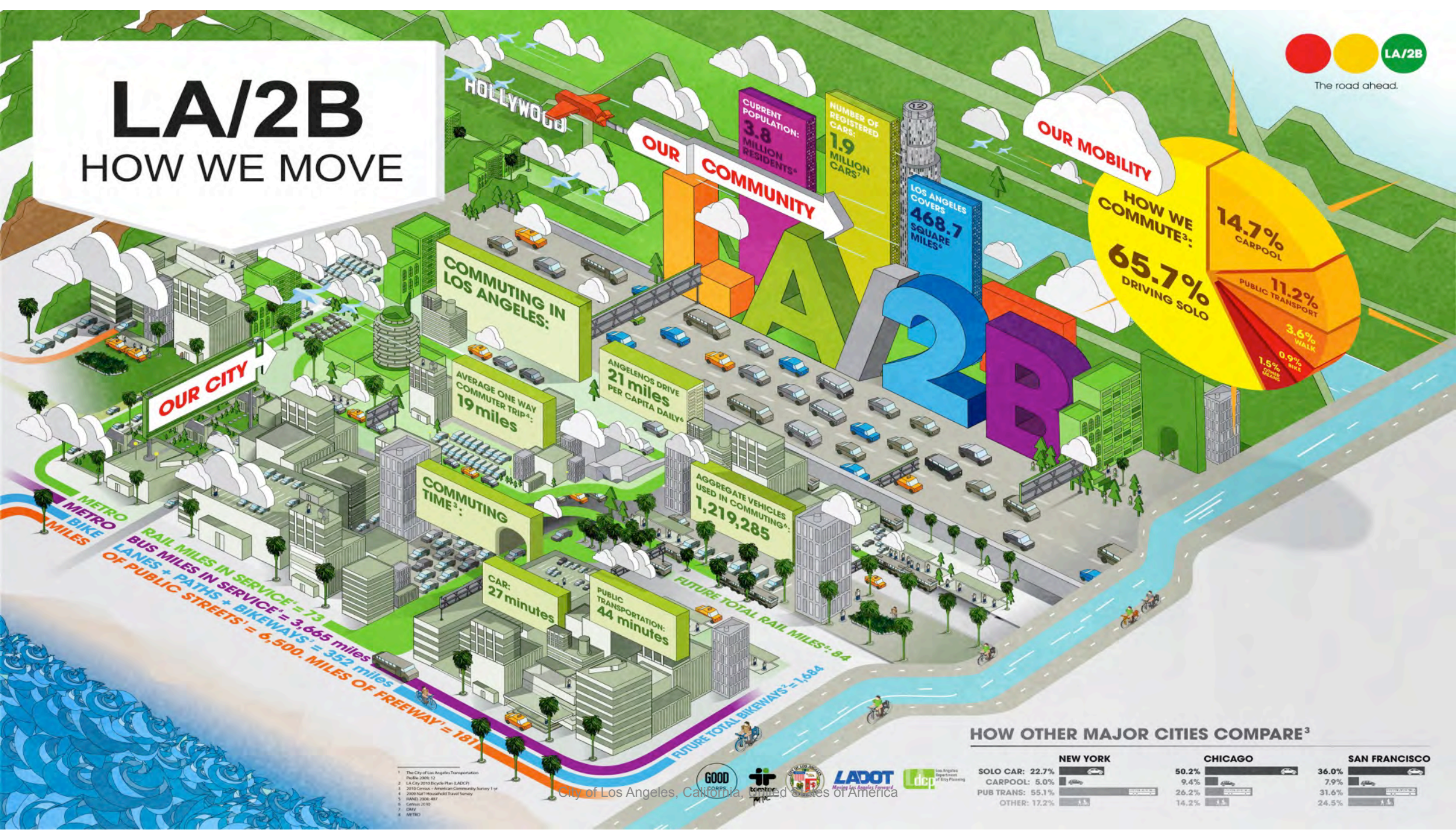
Automated Traffic Surveillance and Control System (ATSAC)

- **Traffic management across the City.**
  - ~4,500 intersections
  - LOS FELIZ Boulevard at ROWENA Avenue had 76,000+ vehicle crossings in a single day.*
  - Measured intersections had an average of more than 18,000 vehicle crossings daily.

City of Los Angeles, California, United States of America

*Measured Tuesday, 11/01/11 with 41,985 westbound crossings and 34,131 eastbound crossings.

LA/2B
HOW WE MOVE

LA/2B
The road ahead.

OUR COMMUNITY

HOLLYWOOD

CURRENT POPULATION: **3.8** MILLION RESIDENTS[4]

NUMBER OF REGISTERED CARS: **1.9** MILLION CARS[7]

LOS ANGELES COVERS **468.7** SQUARE MILES[4]

OUR MOBILITY

HOW WE COMMUTE[3]:
65.7% DRIVING SOLO

14.7% CARPOOL

11.2% PUBLIC TRANSPORT

3.6% WALK

1.5% OTHER MEANS

0.9% BIKE

COMMUTING IN LOS ANGELES:

AVERAGE ONE WAY COMMUTER TRIP[4]: **19 miles**

Angelenos drive **21 miles** PER CAPITA DAILY[6]

OUR CITY

COMMUTING TIME[3]:

CAR: **27 minutes**

PUBLIC TRANSPORTATION: **44 minutes**

AGGREGATE VEHICLES USED IN COMMUTING[4]: **1,219,285**

FUTURE TOTAL RAIL MILES[5]: **84**

METRO
METRO BIKE
MILES

RAIL MILES IN SERVICE[5] = 73
BUS MILES IN SERVICE[5] = 3,665 miles
LANES + PATHS + BIKEWAYS[2] = 352 miles
OF PUBLIC STREETS[1] = 6,500, MILES OF FREEWAY[1] = 187

FUTURE TOTAL BIKEWAYS[2] = 1,684

HOW OTHER MAJOR CITIES COMPARE[3]

	NEW YORK	CHICAGO	SAN FRANCISCO
SOLO CAR:	22.7%	50.2%	36.0%
CARPOOL:	5.0%	9.4%	7.9%
PUB TRANS:	55.1%	26.2%	31.6%
OTHER:	17.2%	14.2%	24.5%

1997

the hybrid
car arrives

2007

the iPhone arrives

2013

LED streetlights installed
across the city

City of Los Angeles, California, United States of America

2013

electric cars in mass production

2014

smart meters start (52,000) in LA (DWP)

Streetlights + EV Charging

Internet of Things (IoT), context awareness.
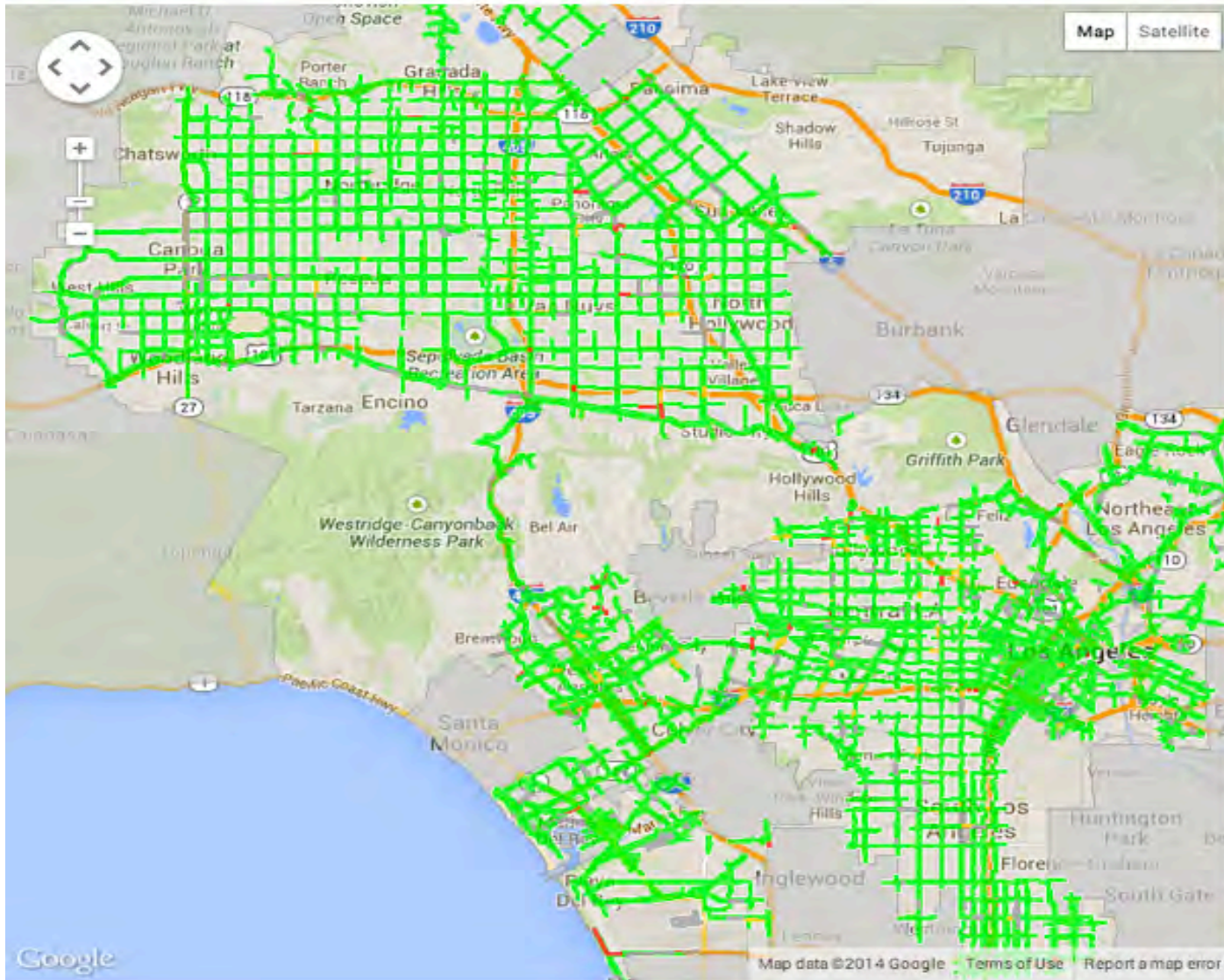
City of Los Angeles, California, United States of America

Map | Satellite

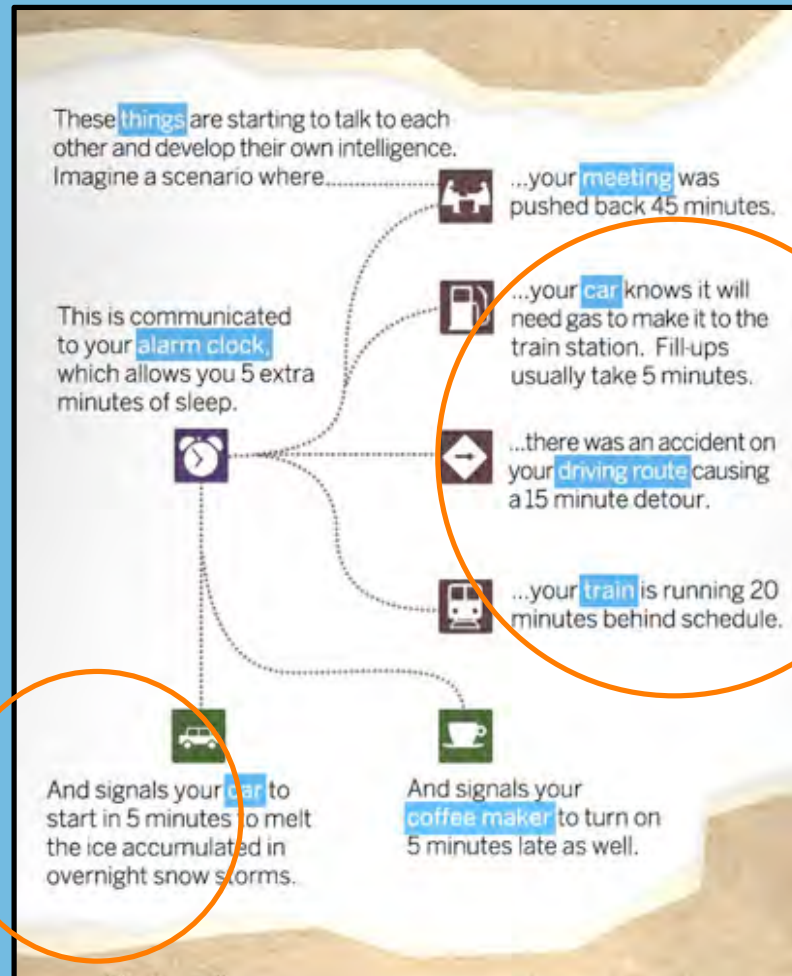## AREA MAPS

Chatsworth
Crenshaw
Downtown
Hollywood
LAX
Mid-City
North Hollywood
Northeast LA
Northridge
San Pedro
Sepulveda Pass
Silver Lake
South LA
Sylmar
Van Nuys
Venice
Warner Center
West LA

Map/Traffic Legend

🟥	0-10 mph	🟧	10-20 mph
🟩	20+ mph	⬜	Unavailable

City of Los Angeles, California, United States of America

Last Updated: 04/15/2014 04:02:51

It Takes an Infrastructure

These things are starting to talk to each other and develop their own intelligence. Imagine a scenario where.............

...your meeting was pushed back 45 minutes.

This is communicated to your alarm clock, which allows you 5 extra minutes of sleep.

...your car knows it will need gas to make it to the train station. Fill-ups usually take 5 minutes.

...there was an accident on your driving route causing a 15 minute detour.

...your train is running 20 minutes behind schedule.

And signals your car to start in 5 minutes to melt the ice accumulated in overnight snow storms.

And signals your coffee maker to turn on 5 minutes late as well.

Are these APIs with city services?

Not relevant in LA!

City of Los Angeles, California, United States of America

source: Cisco. http://share.cisco.com/internet-of-things.html

Challenges and Opportunities

- **People**
  - **Culture**
  - **Digital Divide / Inclusion**
  - **Identity**
  - **Authentication**
  - **Payments**
- **Things, Robots, and Vehicles**
  - **Connected**
  - **Autonomous**
  - **Managed**
- **Connectivity**
  - **Licensed / unlicensed**
- **Security**
- **Privacy**

Services

People & "Things"

Systems & Infrastructure
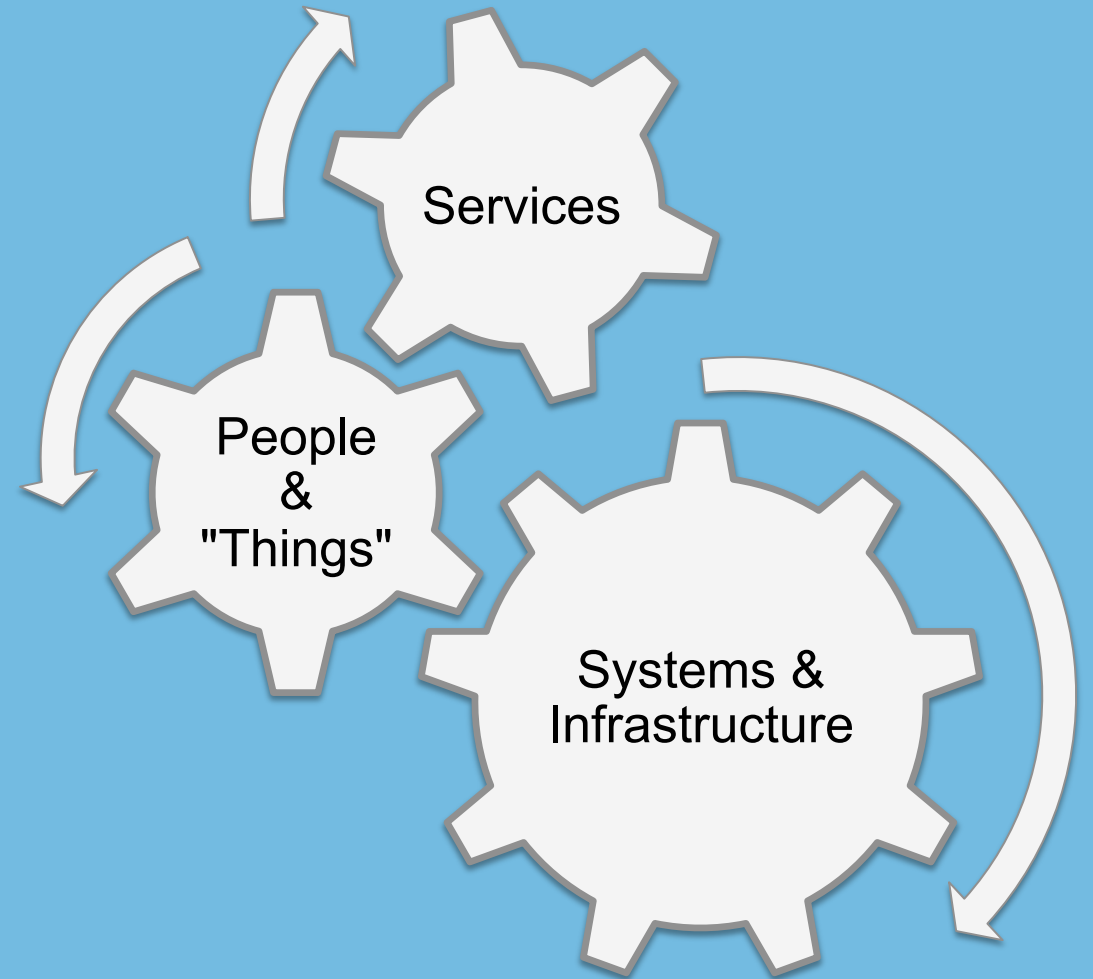
LA/2B OUR STREETS. OUR CITY.

In every direction Los Angeles lives through its streets. Let's take a look at Wilshire; a street that connects us all from the ocean to Downtown and everywhere in between. From our neighborhoods and businesses to the cultures and the people, our streets are what makes LA, LA.

toTRAVEL THE CORRIDOR [10]
- 44 MINS BY CAR (WITHOUT TRAFFIC)
- 1:21 HRS BY BUS (MAKING 96 STOPS)
- 1:40 HRS BY BICYCLE
- 5:20 HRS BY FOOT (CROSSING 240 STREETS)

HOLLYWOOD

330 MOTION PICTURE PRODUCTIONS [7]

1084 PUBLIC TREES [8]

MIRACLE MILE

39 ART AND CULTURAL CENTERS [7]

WESTLAKE

7 TRANSIT AGENCIES
64 BUS ROUTES
1491 DAILY BUSES
65,536 DAILY RIDERS [8]

15.83 MILES OF STREET [8]

KOREATOWN

HANCOCK PARK [1]

WILSHIRE PARK

BRENTWOOD

WEST LA

912 STREET LIGHTS [8]

WILSHIRE

SANTA MONICA [1]

CARTHAY

ONE WILSHIRE
80FT AVERAGE BUILDING HEIGHT ON WILSHIRE [8]

18FT AVERAGE BUILDING HEIGHT IN LOS ANGELES [9]

1.90 MILLION SQUARE FEET OF SIDEWALK [8]

13,878 BUSINESSES ON WILSHIRE

COMMUTER EXPRESS Culver CityBus DASH

TRAFFIC LIGHTS **989** [8]

DOWNTOWN

$46,820,785,188.75

BEVERLY HILLS [1]

COUNTRY CLUB PARK

WILSHIRE TAX REVENUE

OVER **10,000** JOBS PER MILE [6]

76 NUMBER OF NATIONALITIES OF WILSHIRE RESIDENTS [2]

SAWTELLE

120,000 CARS busiest stretch BETWEEN VETERANS & THE **405** [8]

HOLMBY HILLS

791 METERED PARKING SPOTS [8]

LARCHMONT

$143K WESTWOOD [3]

$55.K LOS ANGELES COUNTY [5]

$18.K DOWNTOWN [4]

143 INDEPENDENT RESTAURANTS & CAFES [7]

WESTWOOD [1]

1719 RETAIL STORES [7]

$2,414.88 COLLECTED EACH DAY [11]

WILSHIRE MEDIAN HOUSEHOLD INCOME

SOURCES
1. LA TIMES NEIGHBORHOOD MAP
2. CENSUS 2000
3. CENSUS BLOCK 265100
4. CENSUS BLOCK 207710
5. LEHD, CITY OF LA ONLY
6. 2010 ACS
7. CITY OF LA OFFICE OF FINANCE, 2010
8. LADCP 2012
9. LADCP HIS; CITY OF LA ONLY
10. GOOGLE MAPS + LADCP HIS
11. LADOT 2012

LA/2B The road ahead.

Ldcp Los Angeles Department of City Planning

LADOT Moving Los Angeles Forward

CITY OF LOS ANGELES FOUNDED 1781

GOOD CORPS

work.briangossett.com

City of Los Angeles, California, United States of America

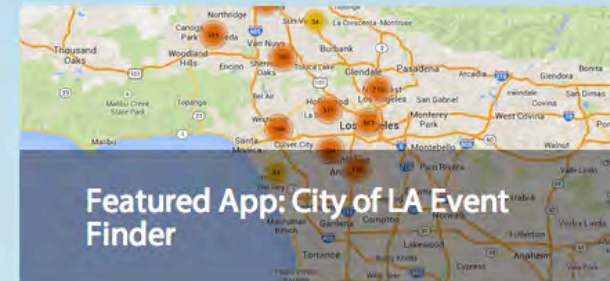City of Los Angeles, California, United States of America
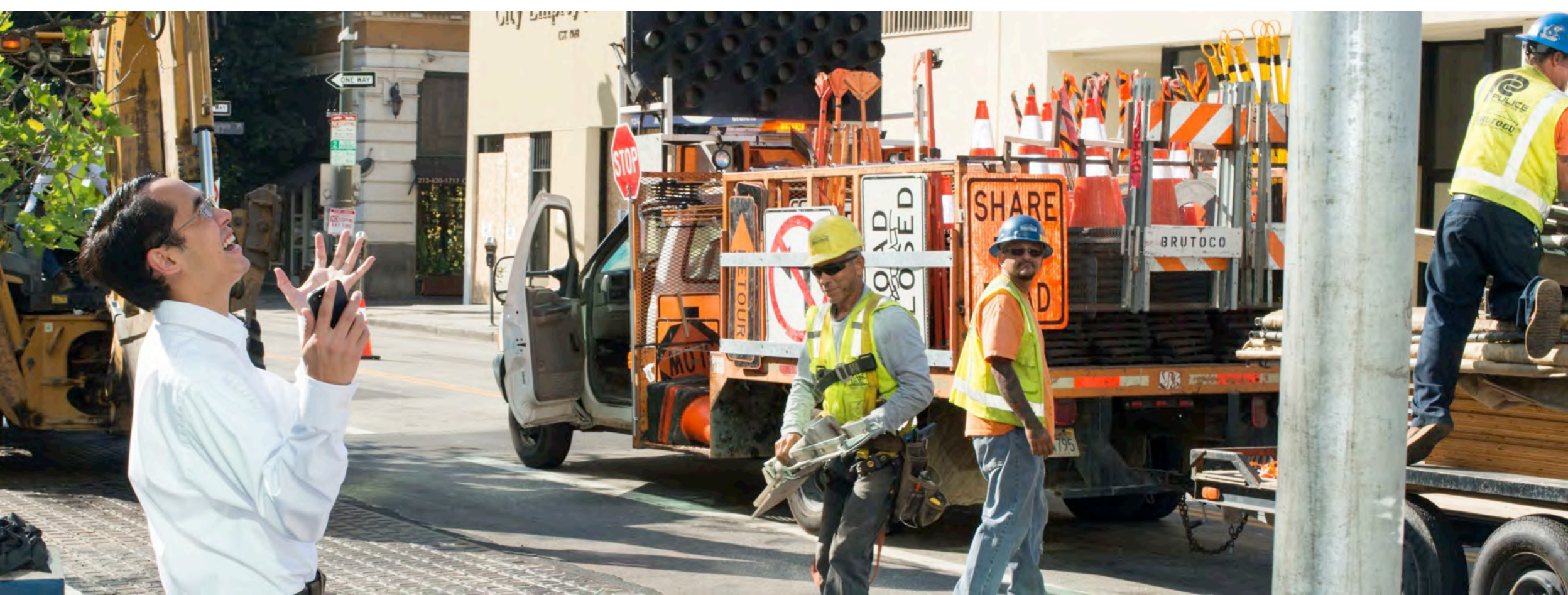
City of Los Angeles, California, United States of America

Back to Basics: Performance Metrics

Mayor's Executive Directive on Open Data

Featured App: City of LA Event Finder

Search Data...

A Safe City

Public Safety Data

A Livable And Sustainable City

Livability Data

A Prosperous City

Economic Data

A Well Run City

Government Efficiency Data

Developers

Developer Resources

Welcome to DataLA, the open data portal for the City of Los Angeles. Here you will find data to conduct research, develop web, online, and mobile applications, and generally learn more about Los Angeles. This site allows you to subscribe to changes in datasets, request new datasets, and participate in discussions with other users. We look forward to seeing what you do with DataLA.

US Open Data (data.gov)

DATA.GOV

The home of the U.S. Government's open data Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.

Tweets

Julio E. Oñate L. @JulioOate   4m
@roxanasilvach ha escrito: El mundo esta cambiando la forma de hacer gobierno con #OpenData y #OpenGovernment.

City of Los Angeles, California, United States of America

A Livable and Sustainable City

Getting LA Moving: Reducing Car Trips and Increasing Active and Public Transit

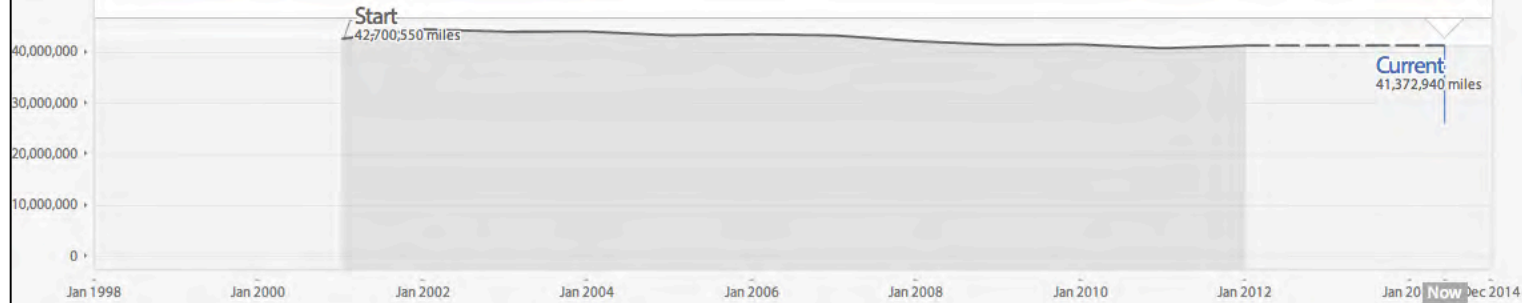**Vehicle Miles Traveled (Daily)** Explore the data ›

41,372,940 miles
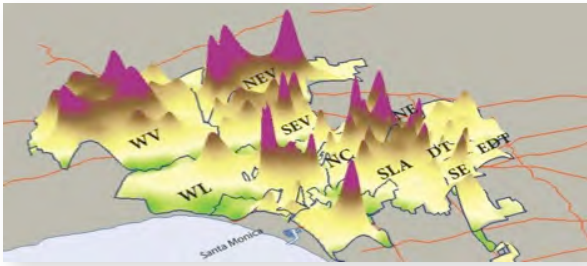
Current as of Jan 2012

Measuring
⌃ Hide chart

Start
42,700,550 miles

Current
41,372,940 miles

40,000,000 ›
30,000,000 ›
20,000,000 ›
10,000,000 ›
0 ›

Jan 1998   Jan 2000   Jan 2002   Jan 2004   Jan 2006   Jan 2008   Jan 2010   Jan 2012   Jan 20 **Now** Dec 2014

Daily Vehicle-miles traveled (VMT) is an average of the total length of travel by all vehicles each day in the City of Los Angeles. This estimate is generated annually by the California Department of Transportation and reported in its California Public Road Data Publication.
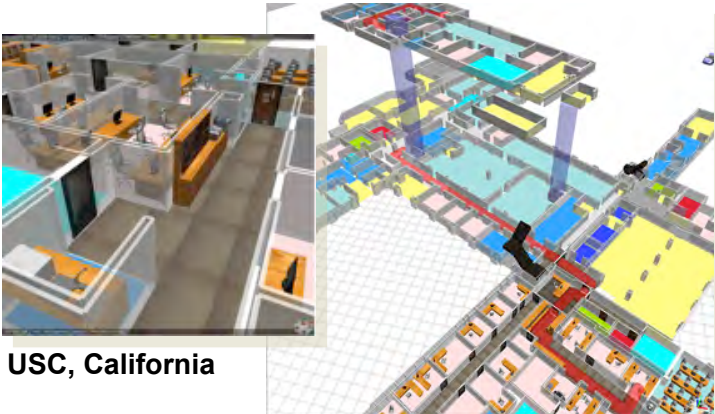
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Wasteshed Modeling

Los Angeles, California

Walkability Assessment

New York

Neighborhood Planning

California

Indoor Traffic Monitoring
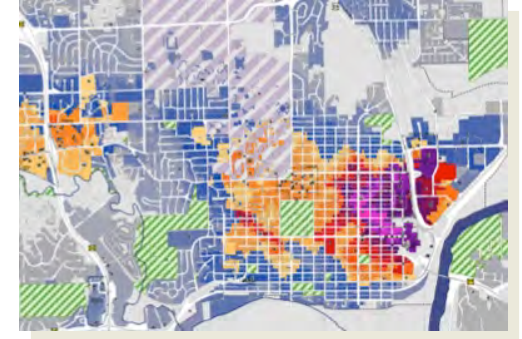
California

Healthy Food Access

California

Air Quality

California

City of Los Angeles, California, United States of America

Evacuation Planning
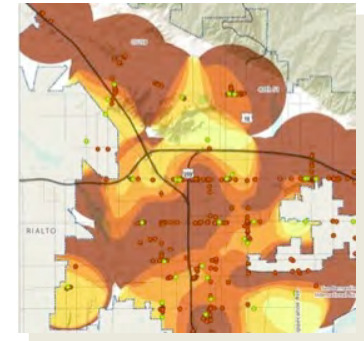
USC, California

Urban Observatory
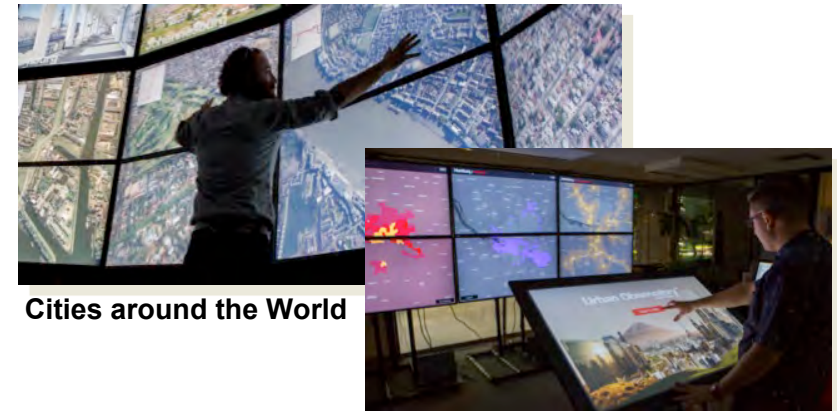
Cities around the World

City of Los Angeles

- ## 40+ departments, 200+ APIs

Police
Fire
EMD

Mayor

Planning

LAWA

Water &
Power

Public Works
Street Services
Engineering
Sanitation

Transportation

Cultural
Affairs

Port of LA

Housing &
Community
Investment

Recreation
& Parks

ITA

City
Clerk

APIs

City of Los Angeles, California, United States of America
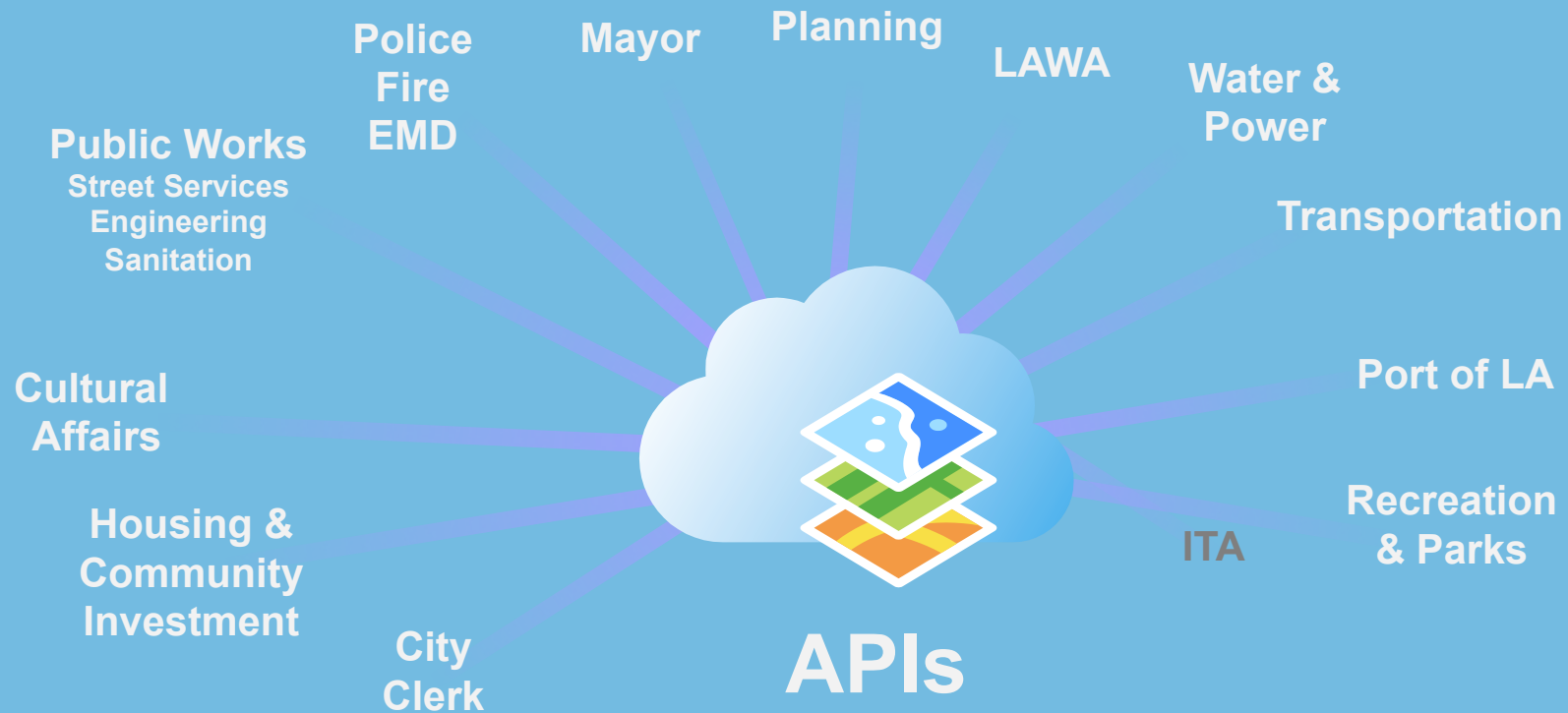
2015

connected cars?

the city in an app?

2016

autonomous cars?

City of Los Angeles, California, United States of America

Thank you

Peter Marx

Chief Innovation and Technology Officer

City of Los Angeles

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