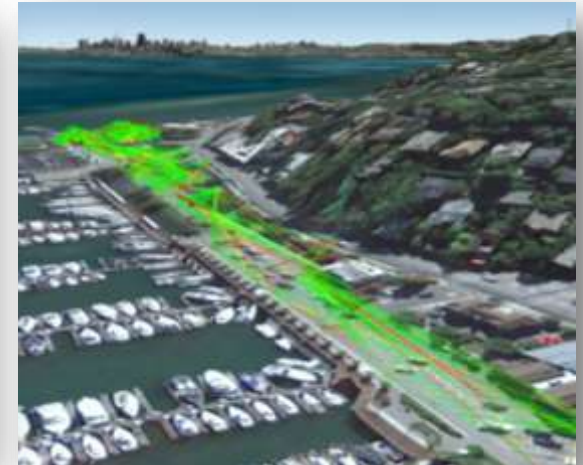




Sensors, Networks and Apps: How Technology is Redefining the Way We Park



www.streetlinenetworks.com

PARKING: THE GREAT UNSOLVED URBAN PROBLEM



For Cities

- Parking revenue loss
- Severe congestion- 30% of traffic
- (45% in Brooklyn – Fortune Magazine)
- Inefficient resource allocation
- Major environmental impact



For Consumers

- Significant waste of time
- Economic cost
- Ineffective pricing
- Major source of frustration



For Merchants

- Loss of business due to lack of parking
- Customer frustration
- Limited ability to influence – no data

PARKING CHALLENGE CAUSES 30% OF TRAFFIC IN CITY



The New York Times

15 blocks **for 1 year in Los Angeles**

3.3 min – **average time looking for parking**

950,000 miles – **excess vehicle miles driven**

38 trips – **around the earth**

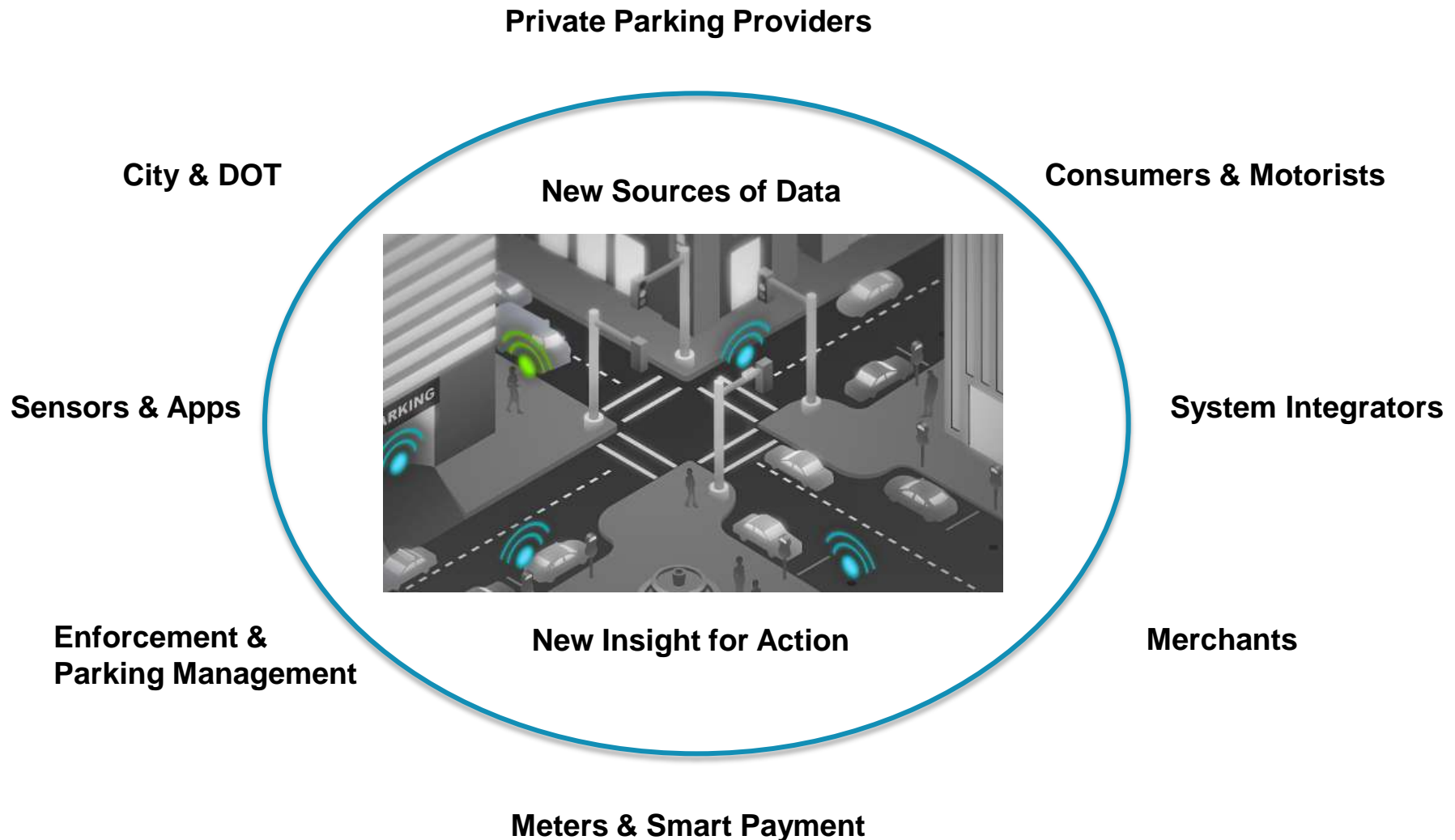
47,000 gallons – **wasted gas**

730 tons – **carbon dioxide greenhouse gas**

All this driving **to get nowhere**

*Based on 2007 UCLA Study by Prof. D. Shoup

“SMART PARKING ECOSYSTEM” DATA TO ACTION



THE FUTURE IS HERE: GUIDED PARKING



Consumer is quickly guided to the most convenient and cheapest parking spot and can easily make a parking transaction



WIRED

We tried out the (Parker) app **and wish it were already available in every city we've ever driven.** (Dec. 2010)

FASTCOMPANY

“ Real-time parking search is something of a holy grail for drivers in big cities--and now it's available... by Streetline” (Dec. 2010)



Experience of Consumers in Los Angeles, CA



Experience of Consumers in Fort Worth, TX

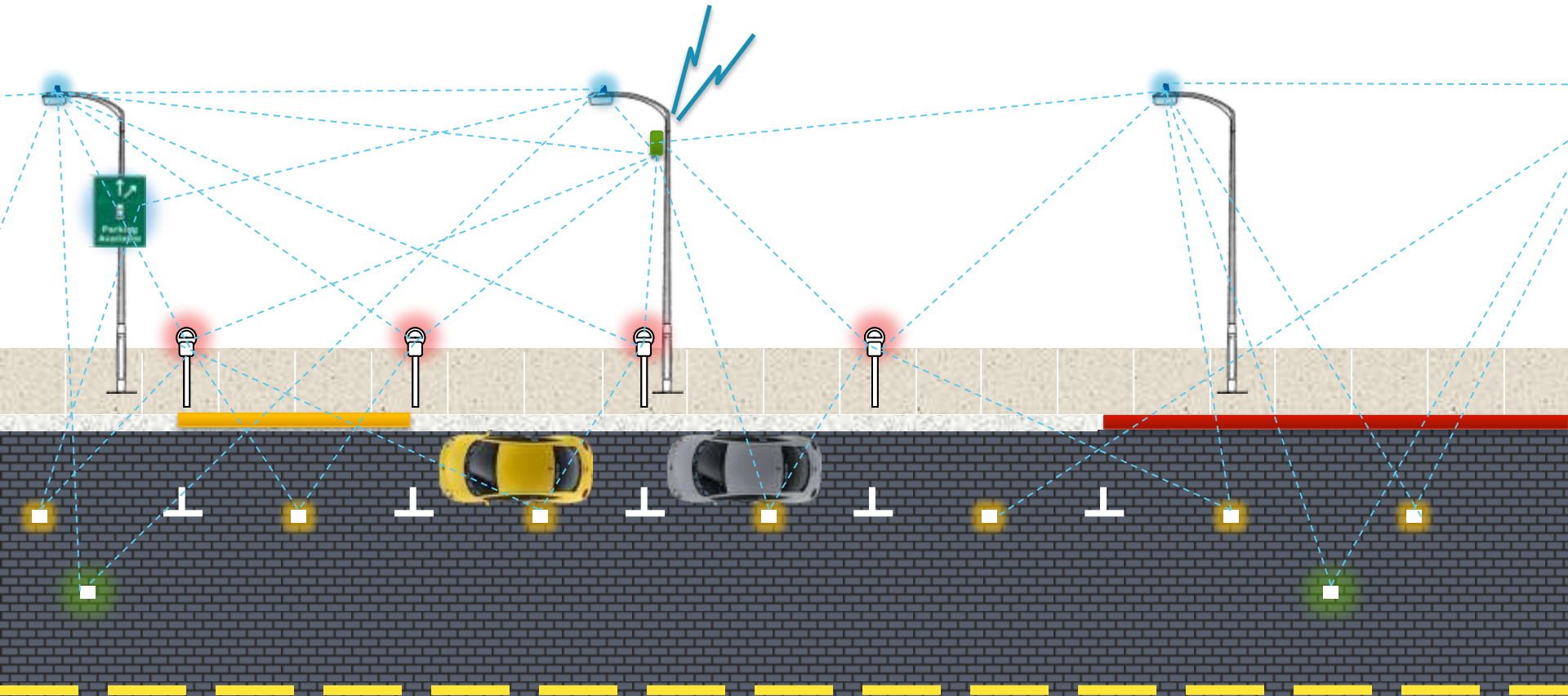
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IT ALL STARTS WITH THE SENSORS....

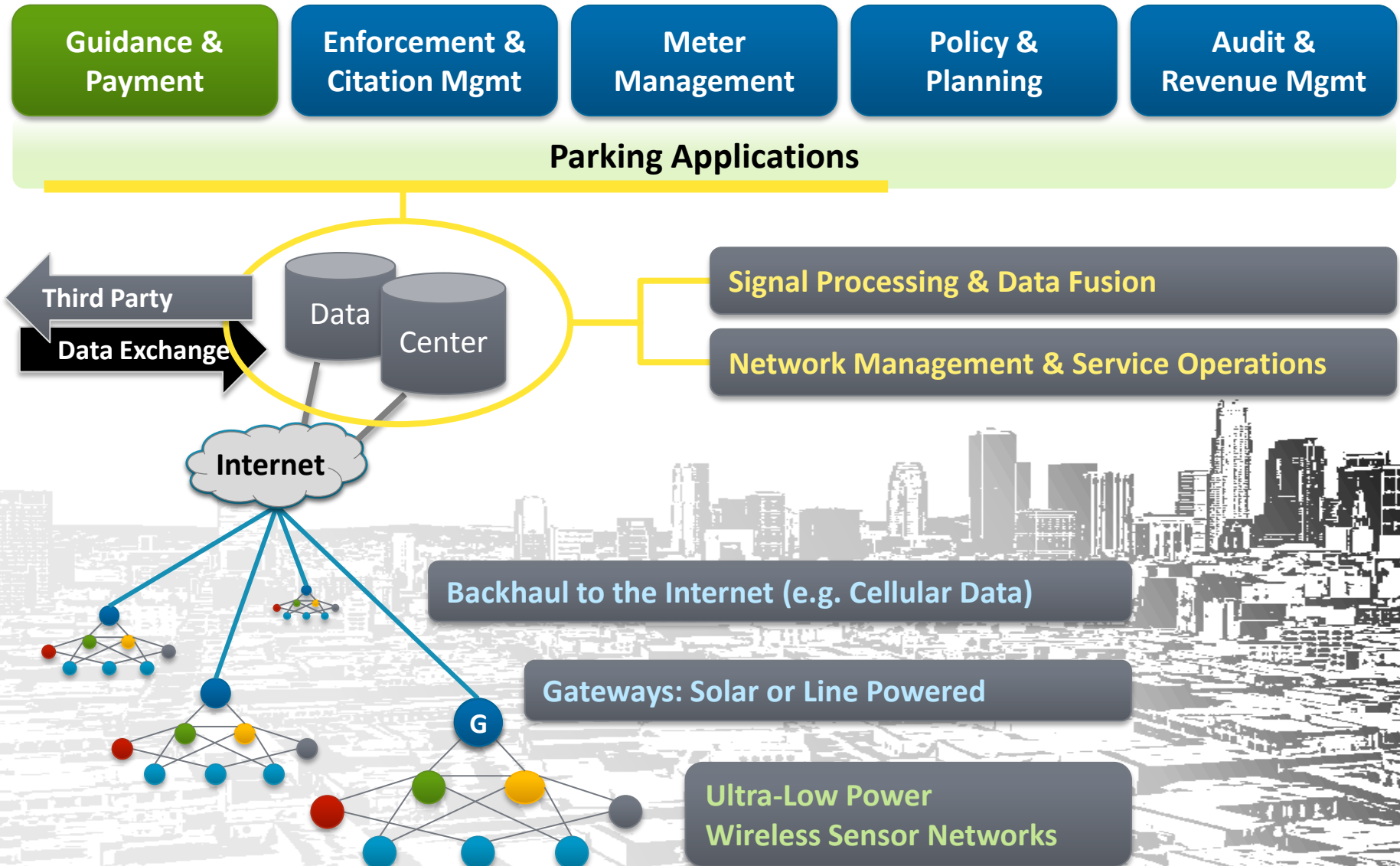


LOW POWER MESH NETWORK

- Ultra-low power sensors
- Mesh canopy of repeaters and gateway
- Gateways backhauled via redundant cellular



SMART PARKING TO ACTION



SMART PARKING IN ACTION



NYC (Roosevelt Island)

Enforcement & Guidance

Digital meter integration

Embedded for snow conditions



WMATA

Deployed at station parking lots

Enforcement & Guidance

Mobile payments

POM Meters



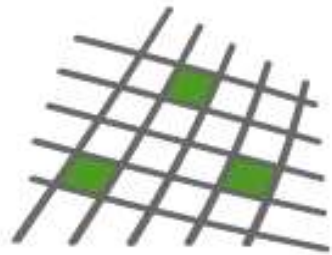
Los Angeles

On street & garages

Enforcement & Guidance

Expanding across city

IPS & Duncan Integration



STREETLINE

Connecting the Real World



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