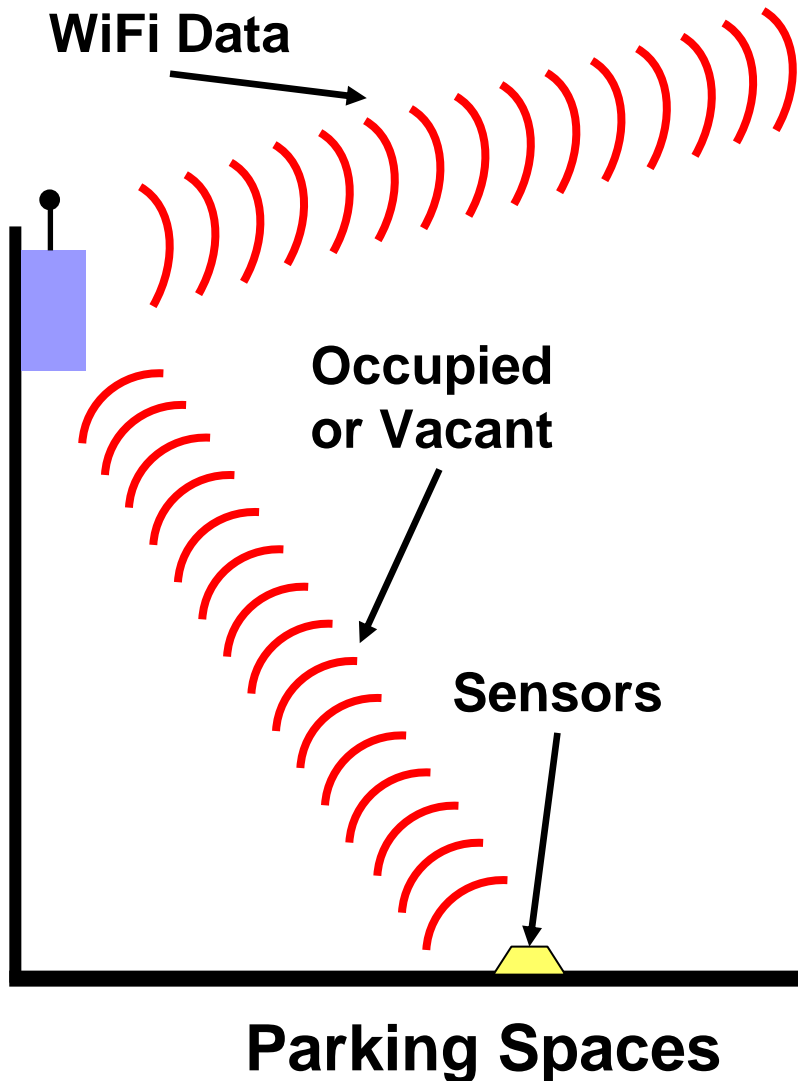


# Spark Parking



Cooper Marcus, CEO  
cooper@sparkparking.com  
415.920.1880

# Overview - Wireless Parking



## Multiple Users:



**Survey** - How is parking utilized?



**Guidance** - Where is parking available?



**Enforcement** - Who is violating rules?

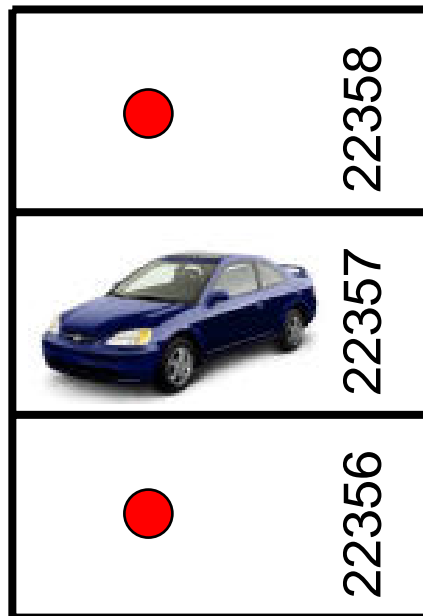


**Paid Parking** - How can parking be sold?

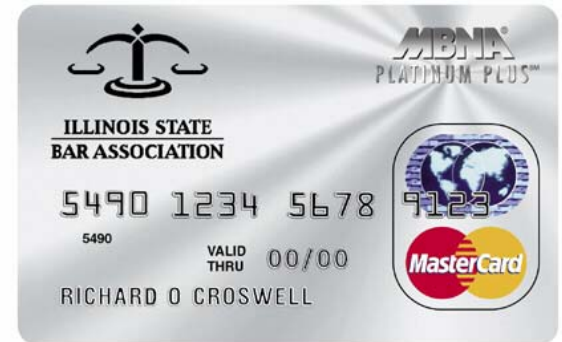


# Park → Call → Go Have Fun!

## Parking Lot



1. Driver parks
2. Driver calls
3. Enters space number on phone
4. Drive away to complete transaction
5. Parking is charged to stored card – receipt sent via text message



- No attendants
- No gates
- No pay station
- No cash

# Technical Details

## Sensors

- Zigbee or other low-power radio
- Magnetic sensors & long-life batteries

## Backhaul

- Muni WiFi
- Cellular data, or wired Internet

## Application

- Open source platform - LAMP
- Flexible APIs

## Voice

- Asterisk and VoIP
- VXML
- Remote customer service agents

# Benefits - Wireless Parking

## Survey



- Too little parking? Too much?
- Time limits? Paid parking?

## Guidance



- Less wasted time and gas
- Happy customers & visitors

## Enforcement



- Go directly to violators
- Less patrolling time, staff, and equipment

## Paid Parking



- Charge the right price
- Expand paid parking at low cost

# Enjoy the Demos!



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