

# For IoT deployments, Does (City) Size Matter?

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# Internet of Things

World Forum

## For IoT deployments, Does (City) Size Matter?

**Hardik Bhatt**

Director, IoE for Global Public Sector

Barcelona, Spain • October 29-31, 2013



## The Panel

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### **Brian Moura**

Former Deputy City Manager, City of San Carlos

### **Manel Sanroma**

Chief Information Officer, City of Barcelona

### **Vijay Sammeta**

Chief Information Officer, City of San Jose

Moderated by:

### **Hardik Bhatt**

Director, IoE4PS, Cisco and Former Chief Information Officer, City of Chicago





# All cities are facing similar challenges



GLOBAL COMPETITION



INCREASING COMPLEXITY





# All cities are facing similar challenges



# Wireless & Economic Development

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## Concept

- Bring wireless to Downtown and Light Rail
- Cisco wireless systems & technology
- Use City street light poles to host Wi-Fi

## Results

- Enhances Downtown & CalTrain Light Rail
- Wireless to serve business and customers
- Shows City commitment to Economic Dev.
- Test transactional software, systems
- Host access at City Hall for public, meetings
- Serves as a test bed for Cisco technologies



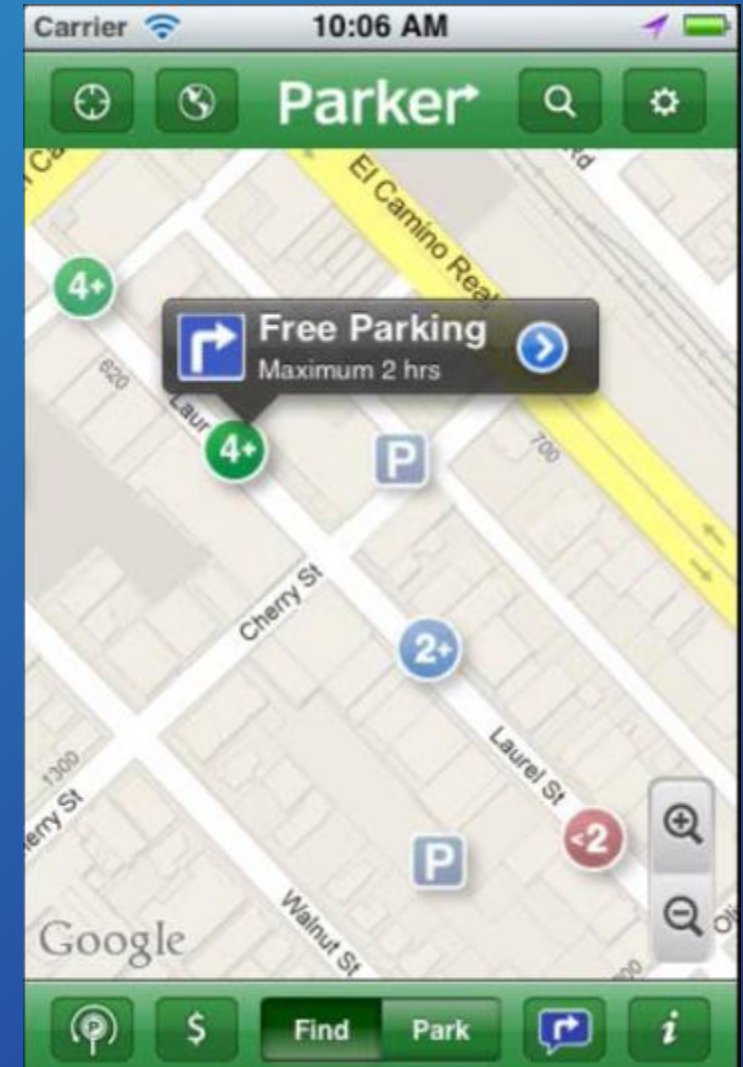
# Smart Parking

## Concept

- Use Downtown wireless to address parking
- Sensors in street, wireless, smartphone app
- Bring parking information to customers

## Results

- Residents, customers quickly grasped system
- Positive reaction to knowing where spaces are
- Shows times of day when parking more available
- Detailed info for planners on parking patterns
- Turn over spaces more efficiently via enforcement
- Final phase of pilot, report due in early 2014





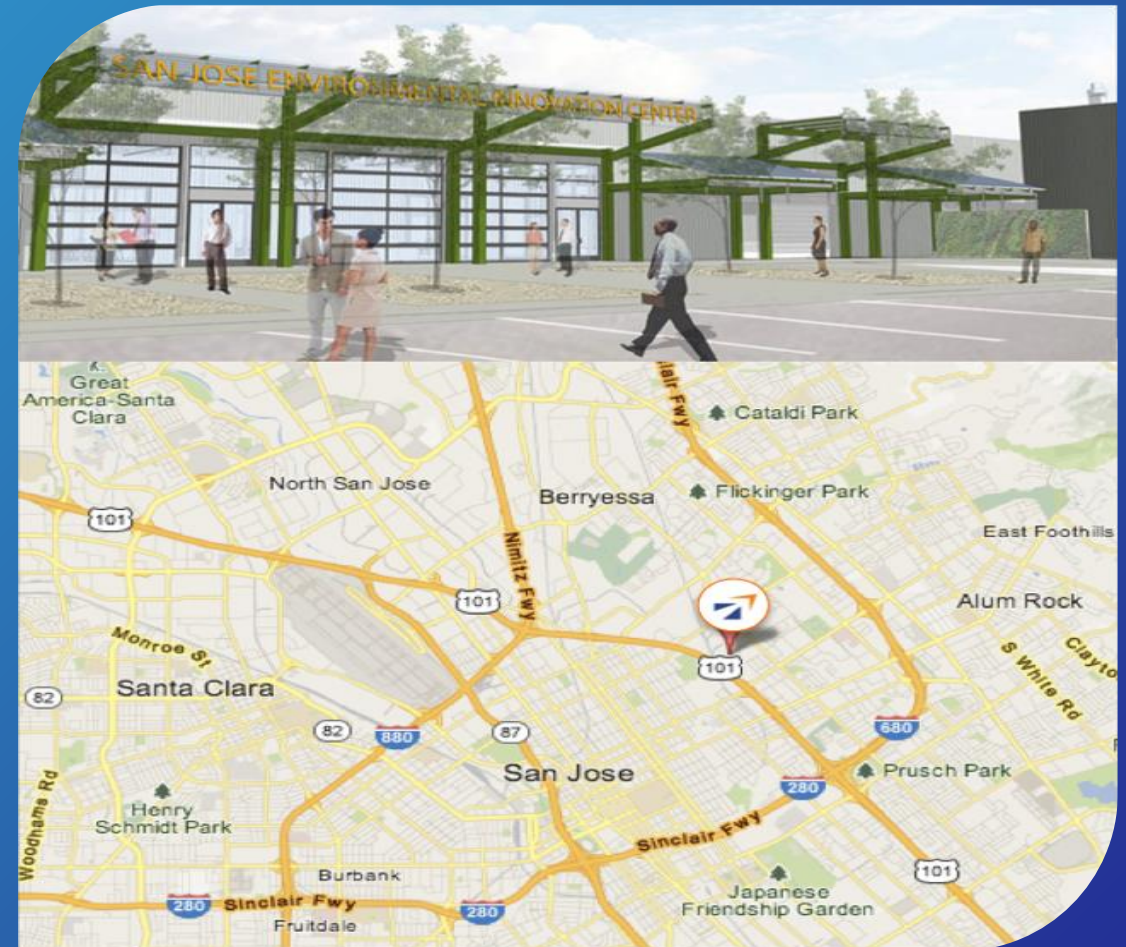
# Focus: Transportation, Buildings, Energy Systems





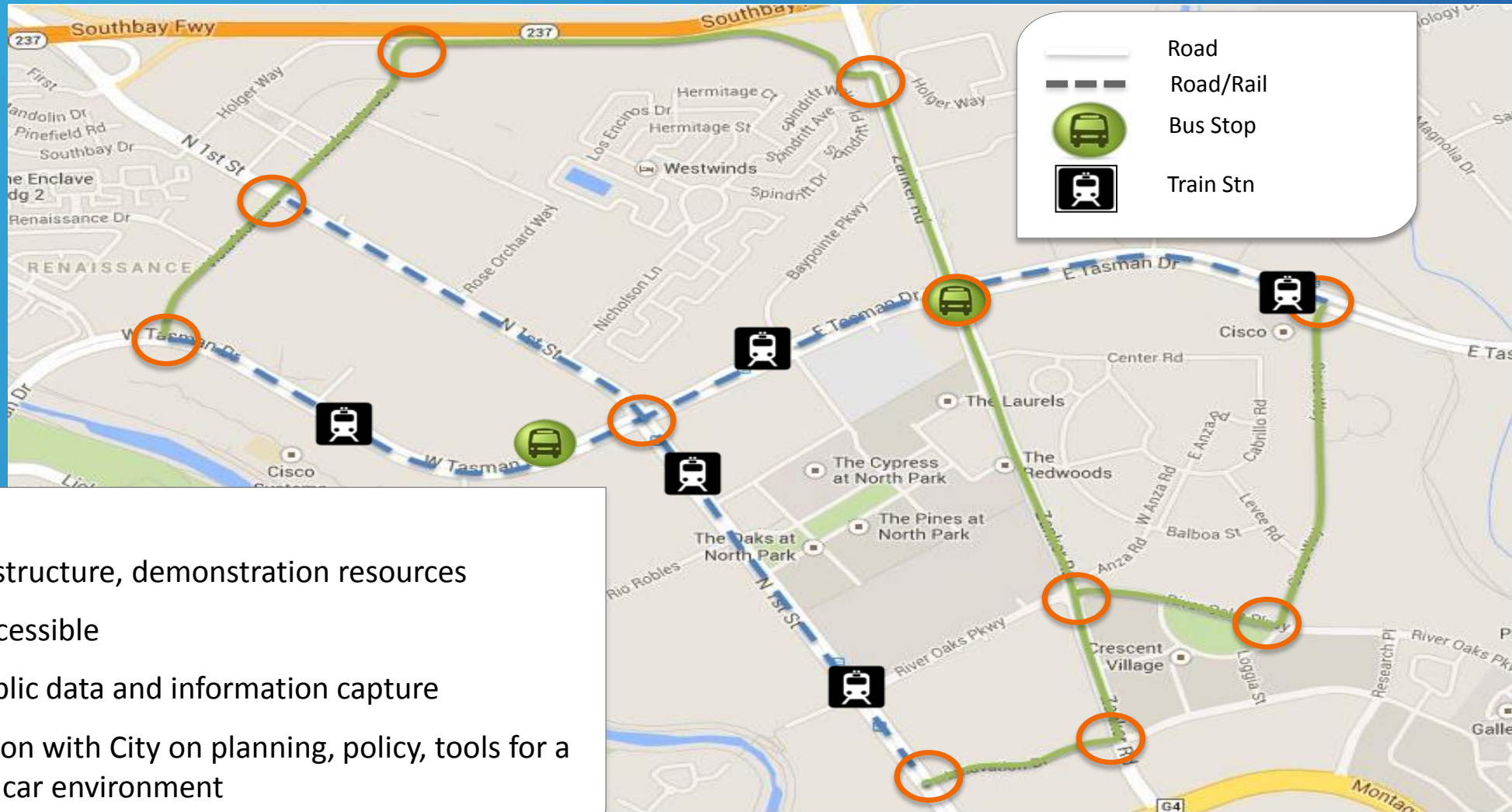
# The Demonstration Center: Launchpad for Clean Technology Solutions

- *Specialized infrastructure and affordable space* for clean technology companies
- *Unique lab space* including vehicle simulator, data platform, systems development
- *Home base for demonstration pilots* happening in San Jose and greater Bay Area settings
- *Conference and exhibit space* for product introductions, community events, training



# Transportation Testbed Corridor

## Proving Ground for Clean and Connected Transportation Technology



- Fixed infrastructure, demonstration resources
- Publicly accessible
- Private-Public data and information capture
- Collaboration with City on planning, policy, tools for a connected car environment



# The view from Barcelona

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★Size matters, of course...BUT:

**The pace of IT is faster that of ANY organization, no matter its size:  
breaking silos INSIDE organizations**

**Organizations need to collaborate: breaking silos AMONG  
organizations**

# The view from Barcelona

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✦INSIDE:

**Redefining organizations under the IoT paradigm**

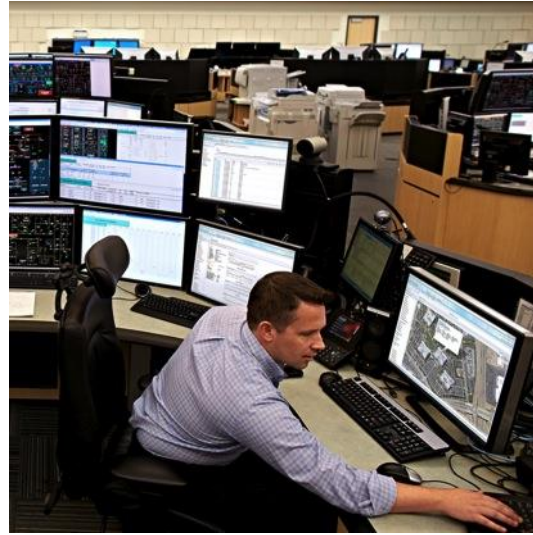
✦AMONG:

**The City Protocol: the IoT of Cities**



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