





Silicon Valley Innovations
Northern California Communities
Global Economies

Smart Cities and Silicon Valley: Birth of a New Ecosystem

September 2015

 prospectsv.org

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Smart City

noun

City using digital or information/communication technology to enhance the quality & performance of:



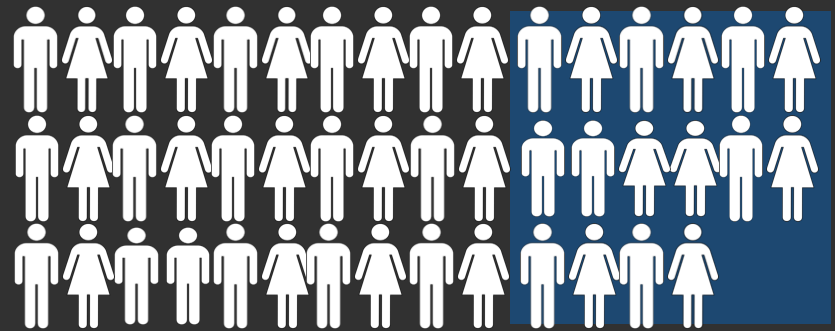
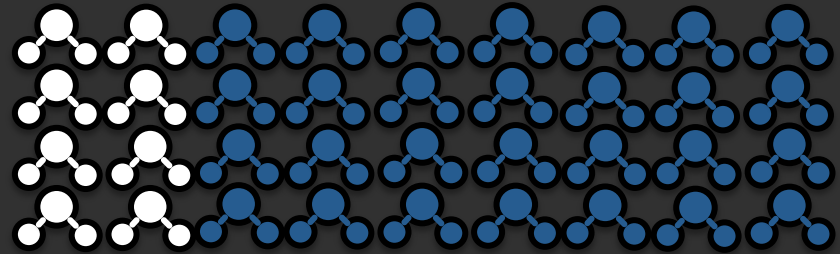
Systems

Resources

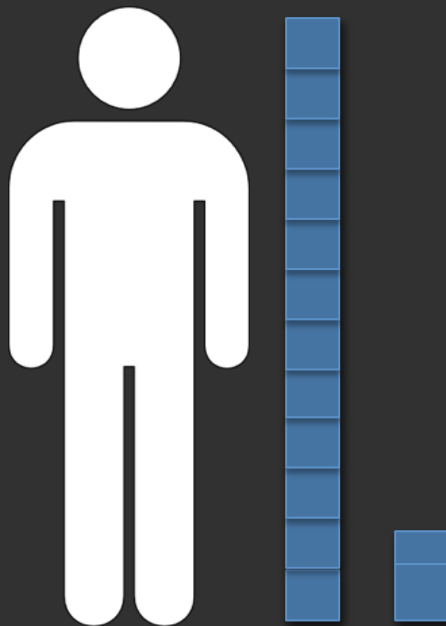
Services

Governing

California's Challenge: A Global Concern



80% Less CO₂, 40% More People



12 → 1.5

Tonne CO₂/Yr/Person

Tonne CO₂/Yr/Person



Systems

Resources

Services

Governing

Silicon Valley

noun

A magical place in California where incredibly big companies grow overnight and change the world.







Storage



Buildings



Renewables



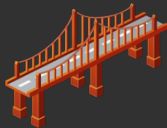
Fueling



Controls

1989 – 2014

1



3



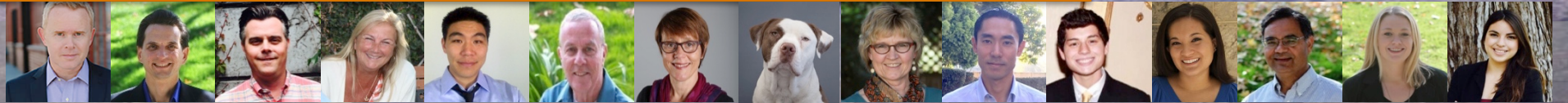
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10



Prospect Silicon Valley



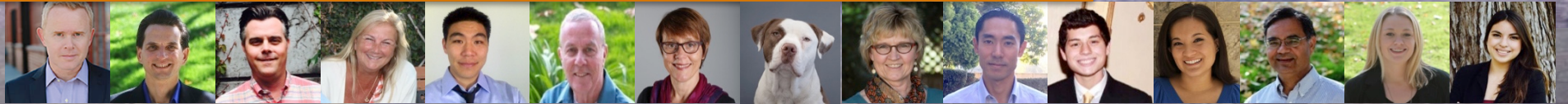
Emerging
Technology

Investors &
Partners

Real World
Applications

Transportation & Mobility ♦ Built Environment ♦ Energy Resources

Who We Are



- 501c3 Nonprofit Corp - 14 Employees
- FY15 Revenue: \$1.4M (FY16 Projection \$1.4-\$2.0M)
- Funding: Corporate Underwriting, Grants (USDOE, CEC), Client Fees
- Presence across Northern California (SJ, SF, Peninsula, East Bay, Marin)



Technology Demonstration Center
1608 Las Plumas, San Jose





Supporting Innovators

Transportation Systems



Transit & Mobility



Vehicle Systems



Traffic Systems

Market Development

Product refinement & positioning, Customer introductions, Promotional assistance

Strategic Partnerships

Corporate development, Public sector partners, Supply partnerships

Demonstration Platforms

Demonstration projects, Grant funded programs, Customer development

Funding & Scaling

Investor pitch feedback, referrals, Global Network opportunities

Resources & Team

Industrial/office space, Labs & equipment, Advisors & service providers

Supporting Innovators

Buildings & Energy



Integrated Systems



Data/Software



Health & Wellness

Market Development

Product refinement & positioning, Customer introductions, Promotional assistance

Strategic Partnerships

Corporate development, Public sector partners, Supply partnerships

Demonstration Platforms

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Funding & Scaling

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Connecting Our Ecosystem

Corporate Partners



Startups



Investors



Collaborating for Real Impact

Business Partners



Institutions



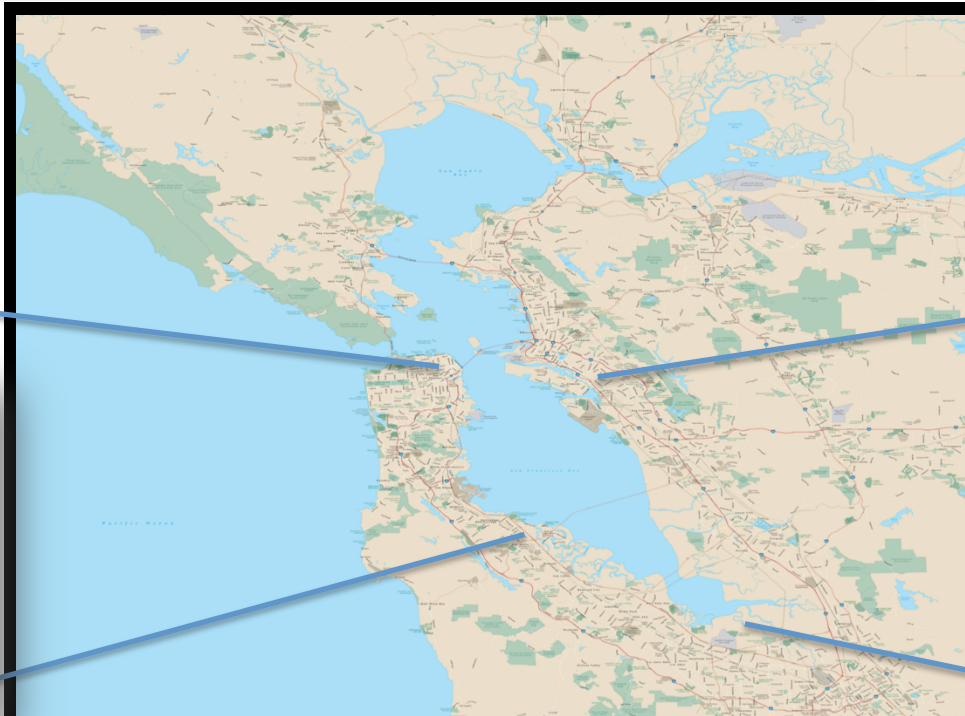
Demonstration Platforms in the Bay Area



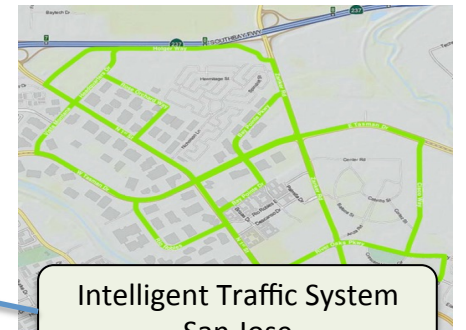
A2030 Energy District
San Francisco



Advanced Solar/Storage
San Mateo



Vehicle-Grid Integration
Alameda County



Intelligent Traffic System
San Jose

Impact in Northern California



50+ Bay Area Cities

Workshops, Guidebooks,
Direct Assistance

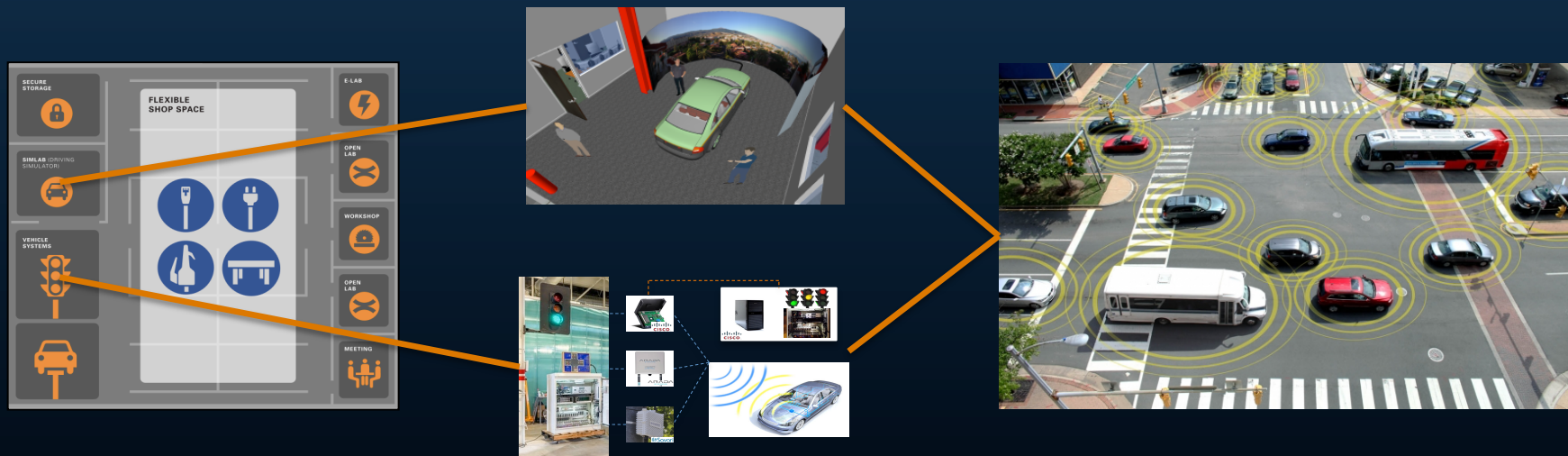
85,000 LED Streetlights

15% of NorCal EV
Charging Capacity

Largest EV Fleets & Car
Sharing Programs in CA

Renewables Microgrid

Case Study: Transportation

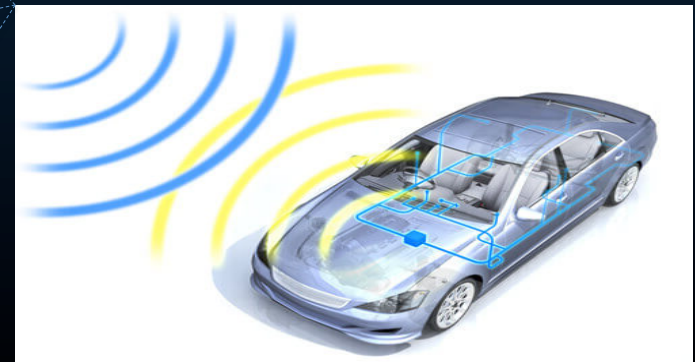
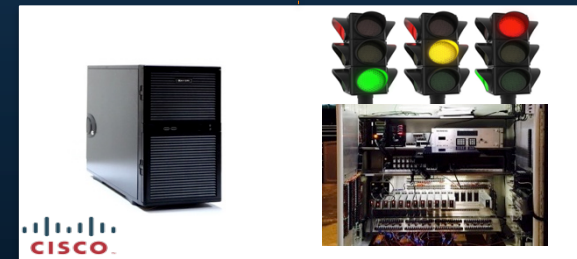


Support

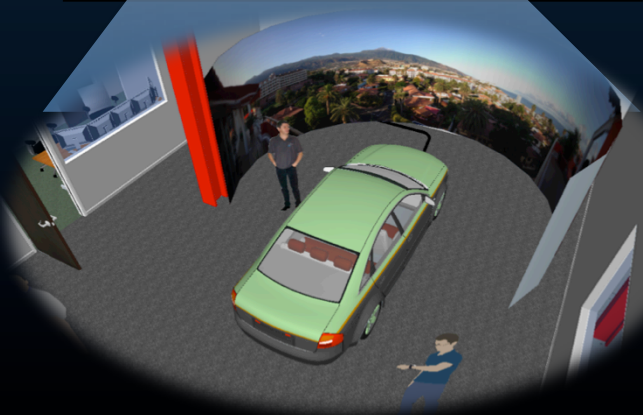
Labs

Urban Scale Demos

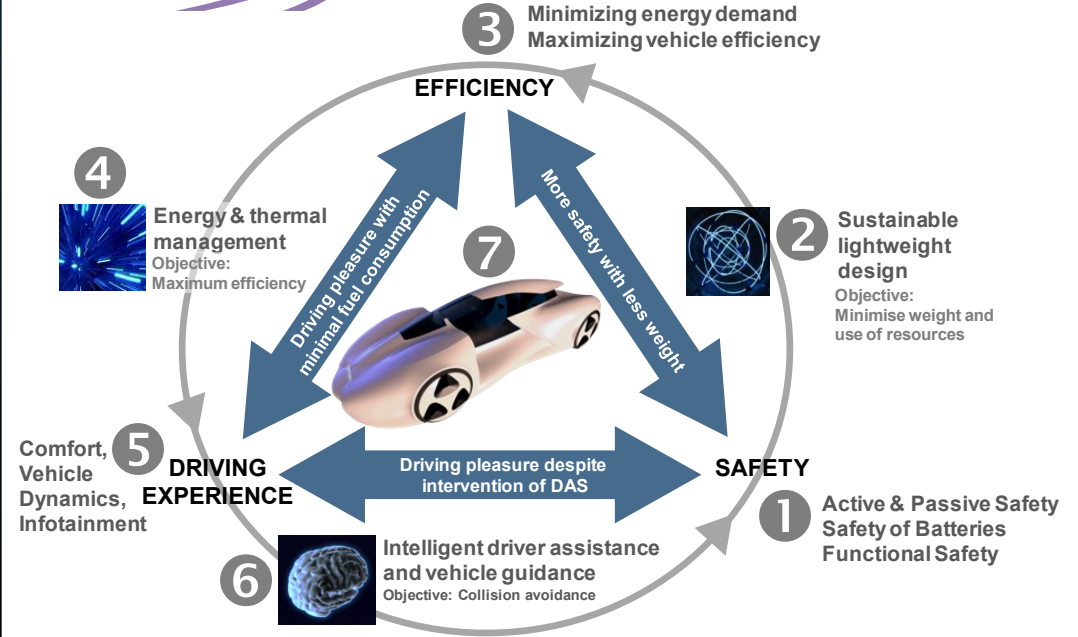
Intelligent Traffic Systems Lab



SimLab Driving Simulator Facility



fka



Urban Scale: The Innovation Zone

Urban Systems Testbed

Advanced Infrastructure

- V2X Connectivity
- Traffic Sensor
- Charging Infrastructure

Applications

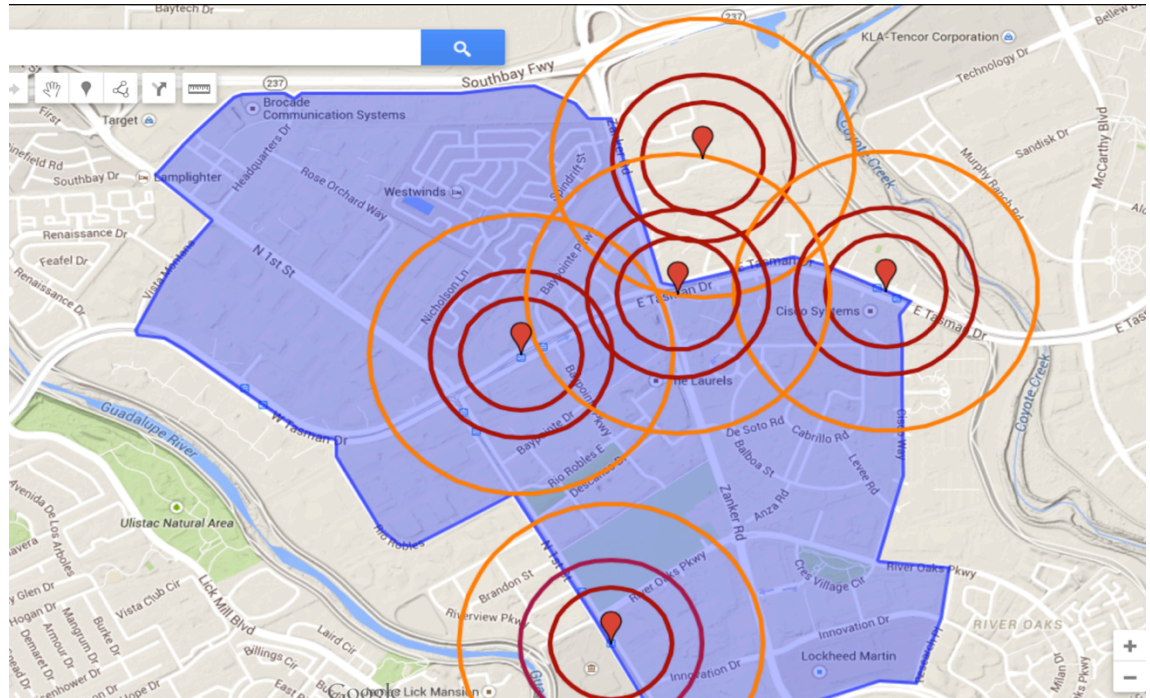
- First/Last Mile Solutions
- Safety/Collision Avoidance
- Ubiquitous Monitoring

Autonomy and Mobility

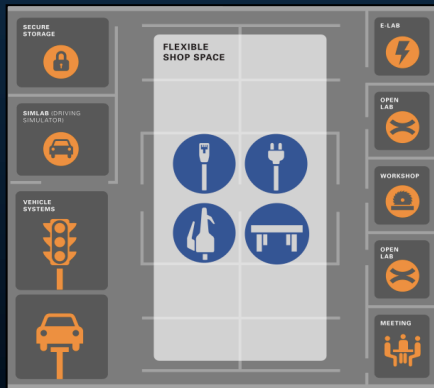
- Driverless Applications



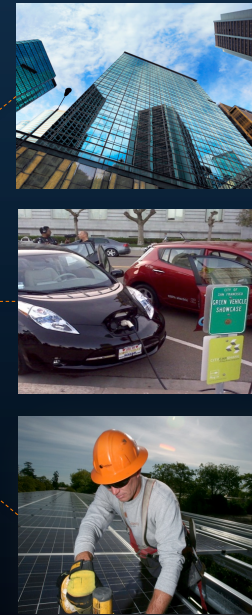
RSM | Technology



Case Study: Commercial Buildings



Validation
Expert Review
Market Sizing



Support

Design Feedback

Urban Scale Demos


A Lesson From Barcelona







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Thank You

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