

# Regional Considerations of Public Transportation and Vehicle Automation

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# What is Vehicle Automation?

- Range of technologies
  - Automated guideway transit
  - Vehicle automation and assistance technologies
    - Lane-keeping (collision avoidance/warning systems)
    - Steering/Precision docking
    - Navigational control
  - Personal Rapid Transit (PRT)
  - Connected Vehicles
  - Driverless Cars

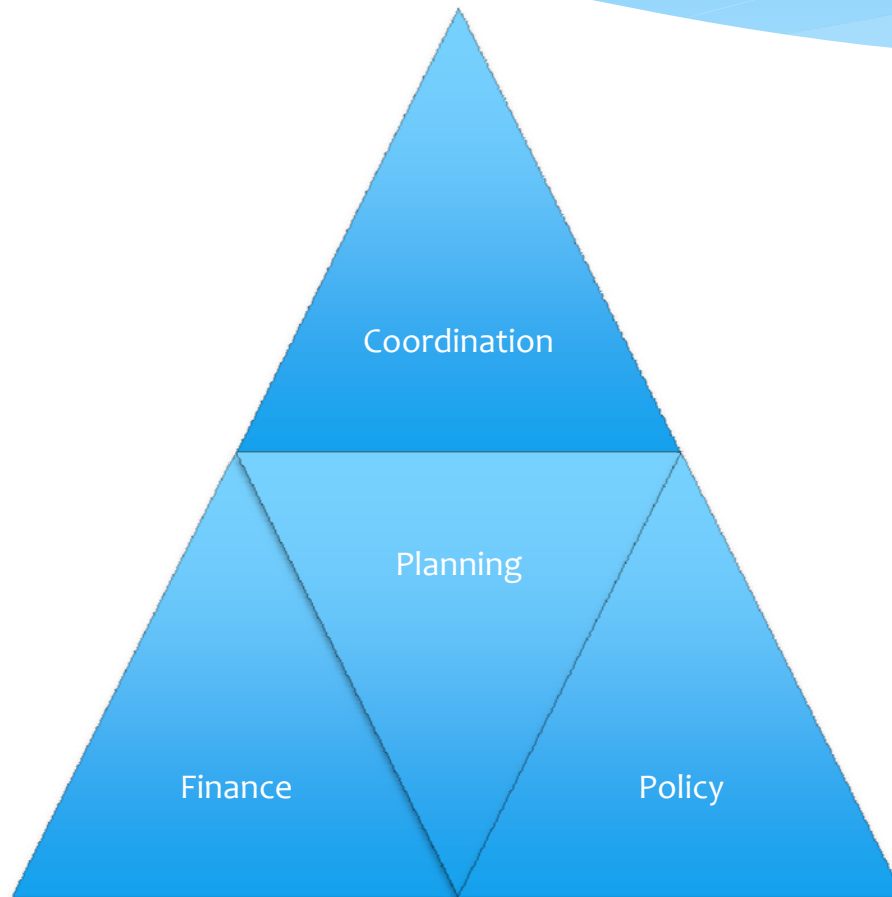


# Why is Regional Consideration Important?

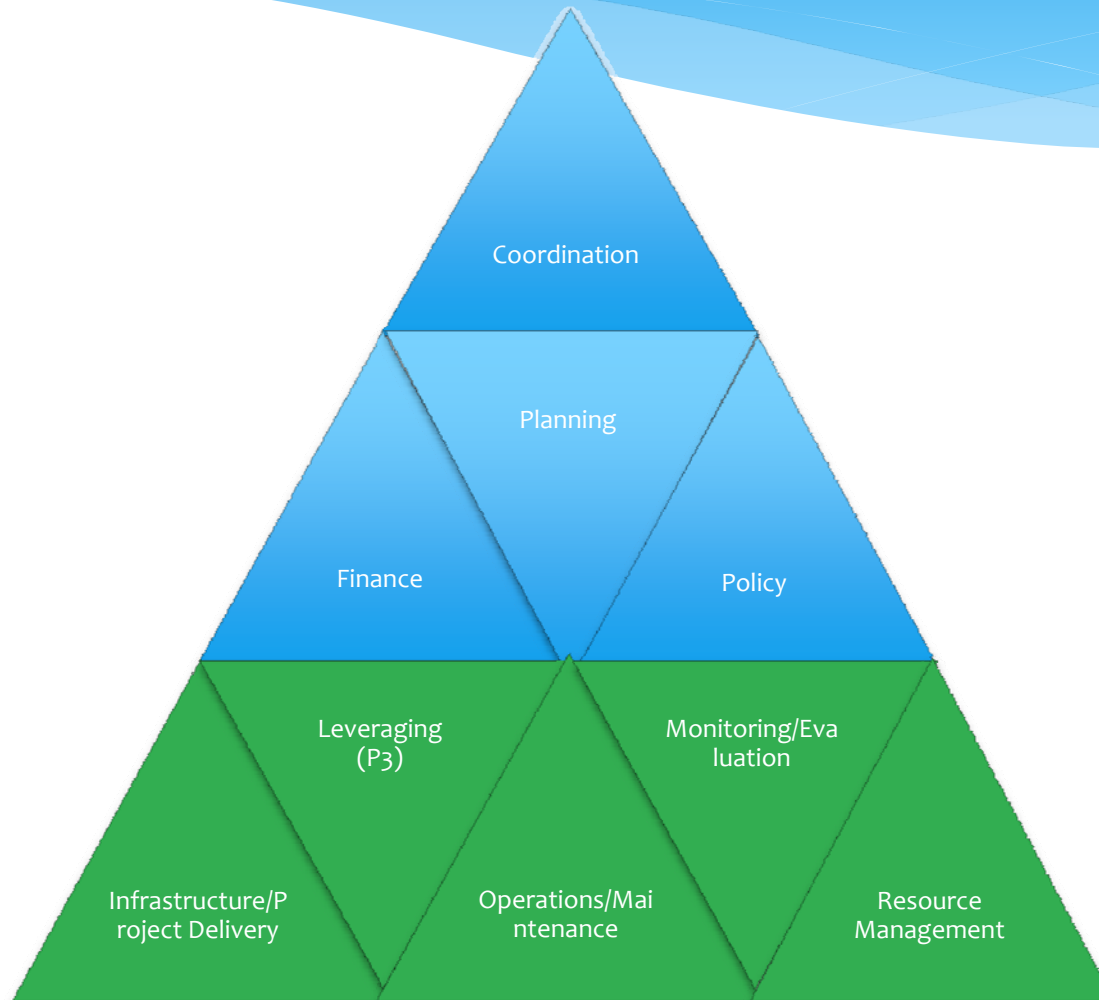
- Public interests
- Regional efficiency/consistency
- Risk management
- To obtain public support or acceptance
- Examines legal questions



# Traditional Roles of Regional Government



# Expanding Roles of Regional Government



# Bay Area Opportunities

- Express Lanes
- Shared Economy/P2P
  - Carsharing
  - Ridesharing
  - Taxi
- Public Transport
  - Bus
  - Rail
- Casual Carpool



# Factors Driving Automation

- Millennial's attitudes toward driving
- Connected culture
  - Smart phones
  - Social networking
  - Wireless infrastructure
- Safety mandate
- Economic need
  - Urban congestion/value of time



# Possible Role for Region in Automation

- Spur interest, advocacy
- Sponsor legislation, research
- Provide seed funding
- Technical and financial evaluation
- Establish “test bed” environment
- Clear the way for private sector innovation
- Eliminate barriers to use





# Short Video: Fiat Mio Concept Car

FIAT MIO  
Corte 11A  
5'37"  
27/10/2010 – 10h

Thank you :)