



How Will Autonomous and Connected Vehicles Change the Way We Travel?

Autonomous/ Connected Vehicles Forum — September 28, 2017

Transportation Technologies

Shared Mobility Services



Connected Vehicles



Zero Emission Vehicles



Autonomous Vehicles



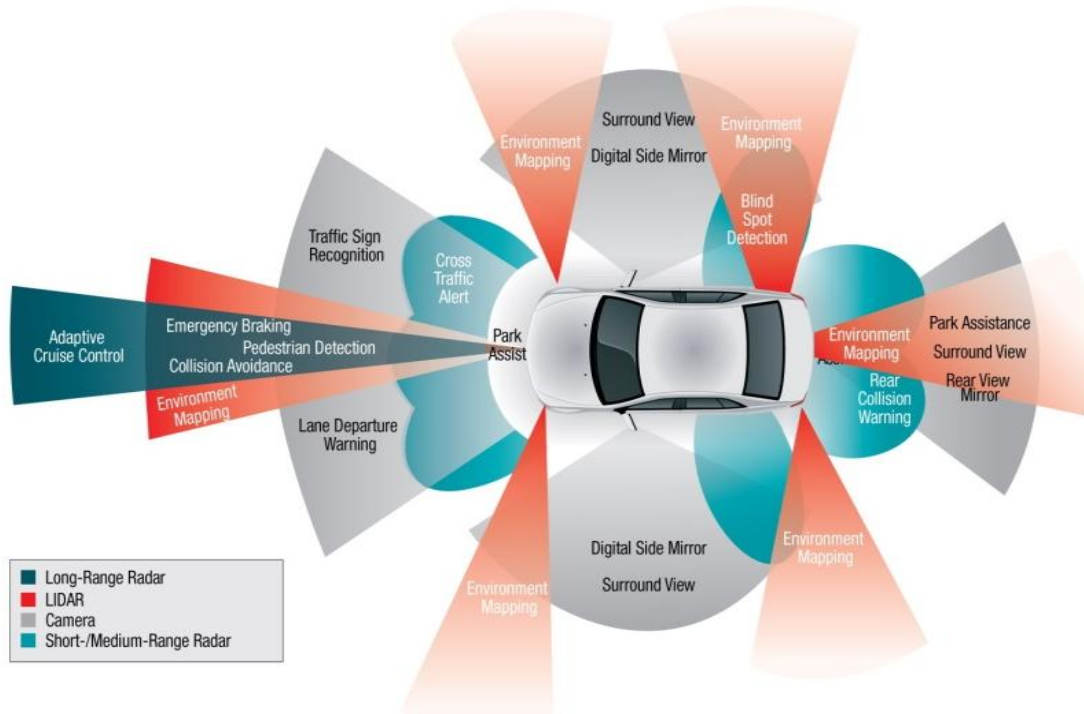
Transportation Technologies

Connected Vehicles



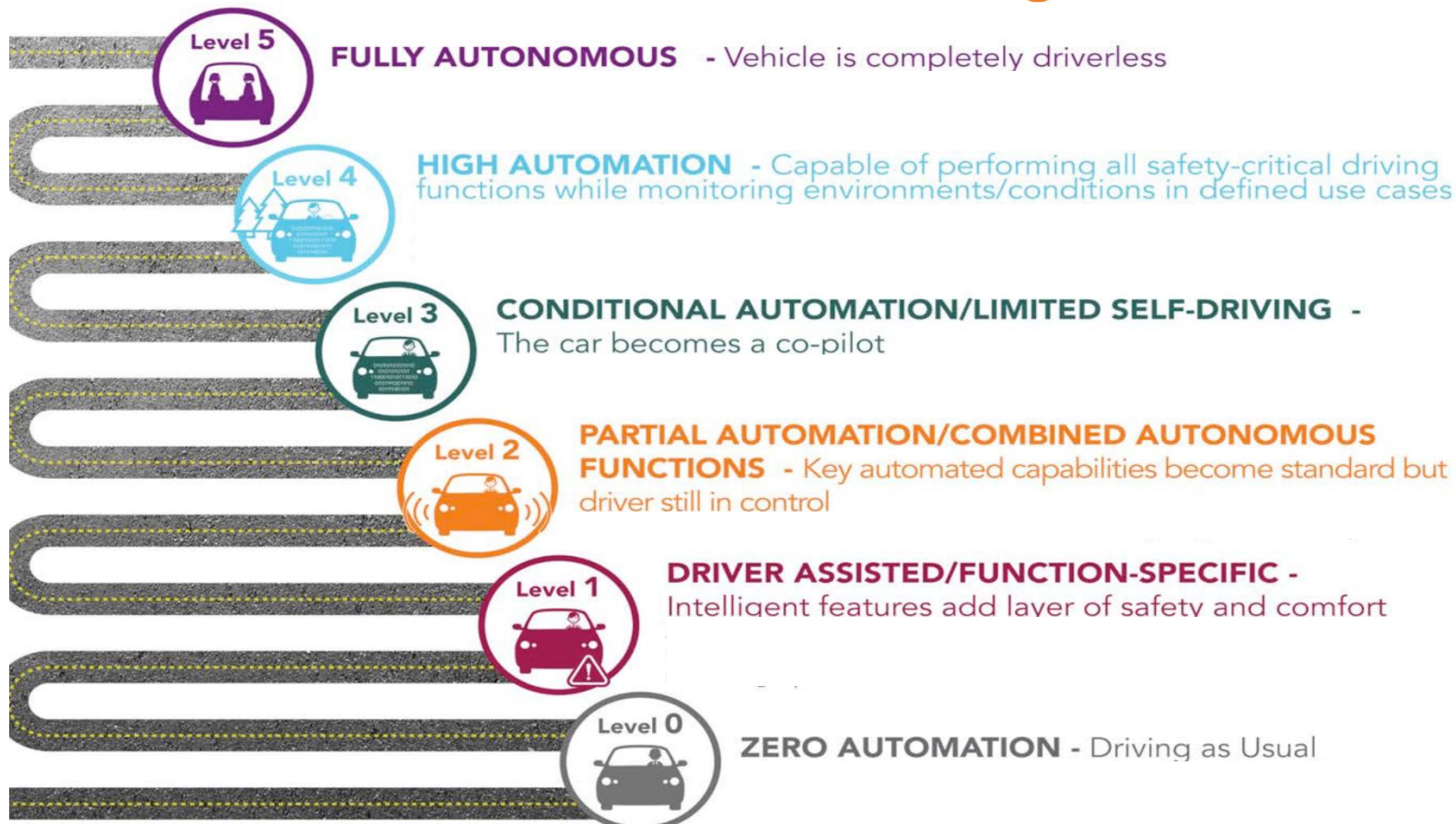
Transportation Technologies

Autonomous Vehicles



Transportation Technologies

The Five Levels of Autonomous Driving



Implications for Regions

Opportunities

- Efficiency
- Costs
- Safety
- Social Equity
- Transit
- Ridesharing
- Greenhouse Gas Emissions

Risks

- Timing
- Vehicle Miles Traveled
- Sprawl
- Security
- Social Equity
- Security
- Greenhouse Gas Emissions

Concurrent Efforts on Emerging Technologies

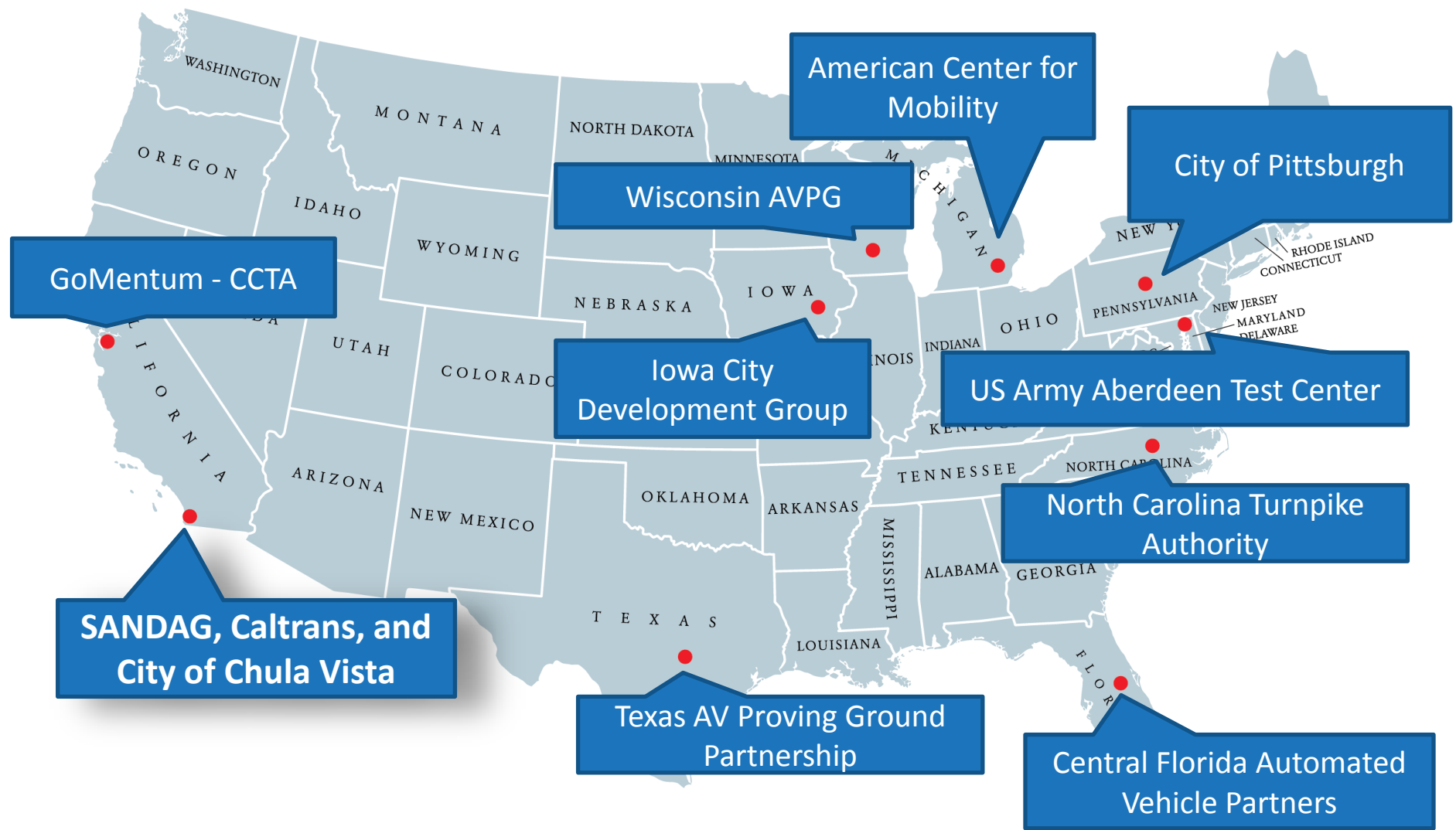
Future Mobility Research Program (Statewide)

- Research potential impacts of transportation technologies and how to incorporate them into Regional Plans

Advanced Technologies Urban Area Transit Strategy (San Diego Region)

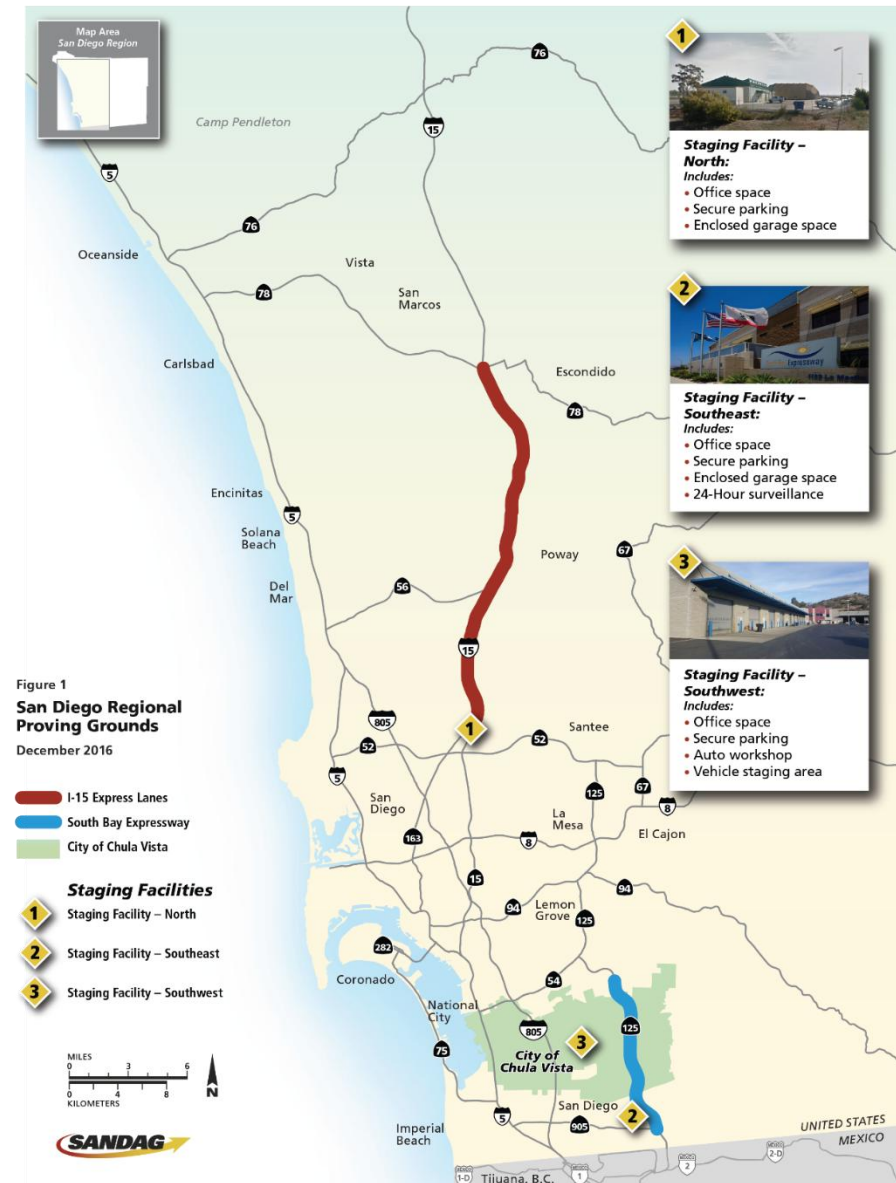
- Evaluate advanced transit technologies
- Explore the interconnectivity of modes
- Integrate with autonomous vehicle technology

Designated Proving Grounds



Purpose: San Diego Regional Proving Grounds

- Facilitate testing and validation of connected and autonomous vehicle technologies while ensuring public safety and security
- Inform public policy and long-range planning that guides deployment in support of the region's goals for mobility, sustainability, and economic prosperity





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