



THE UNIVERSITY OF TEXAS AT AUSTIN
CENTER FOR TRANSPORTATION RESEARCH

Center for Transportation Research

UT Austin

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<http://ctr.utexas.edu/>

Connected & Autonomous Vehicles

CTR initiatives include pilot-testing autonomous buses and using connected vehicles for research and development.



- Lane Departure Warning
- Traffic Sign Recognition

- Cross Traffic Warning

- Surround View
- Digital Side Mirror

- Surround View
- Park Assistance
- Rear View Mirror

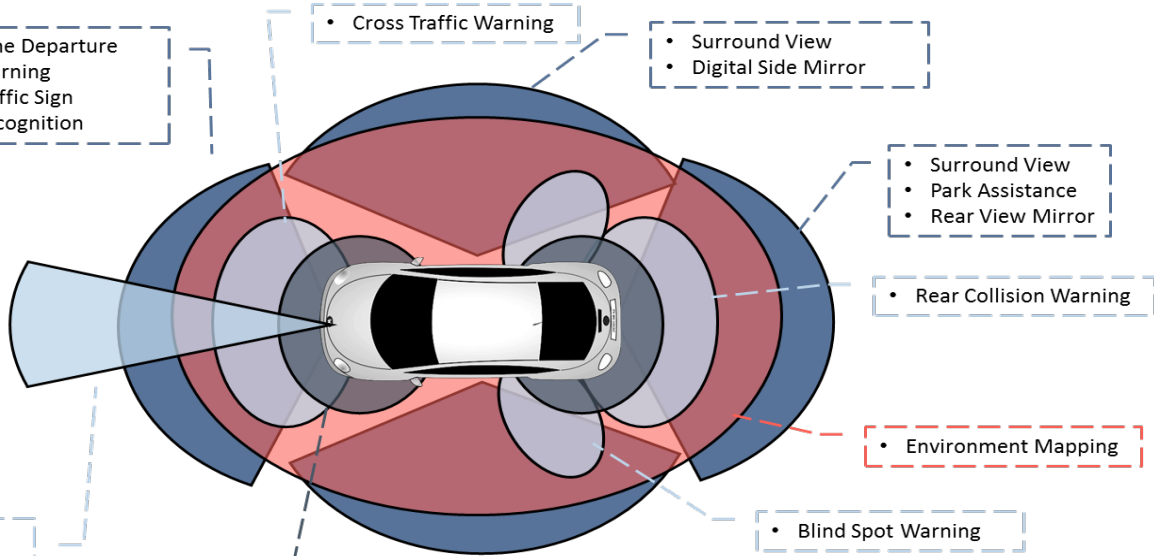
- Rear Collision Warning

- Environment Mapping

- Blind Spot Warning

- Park Assist

- Ultrasonic
- Lidar
- Short/Long Range Radar
- Camera

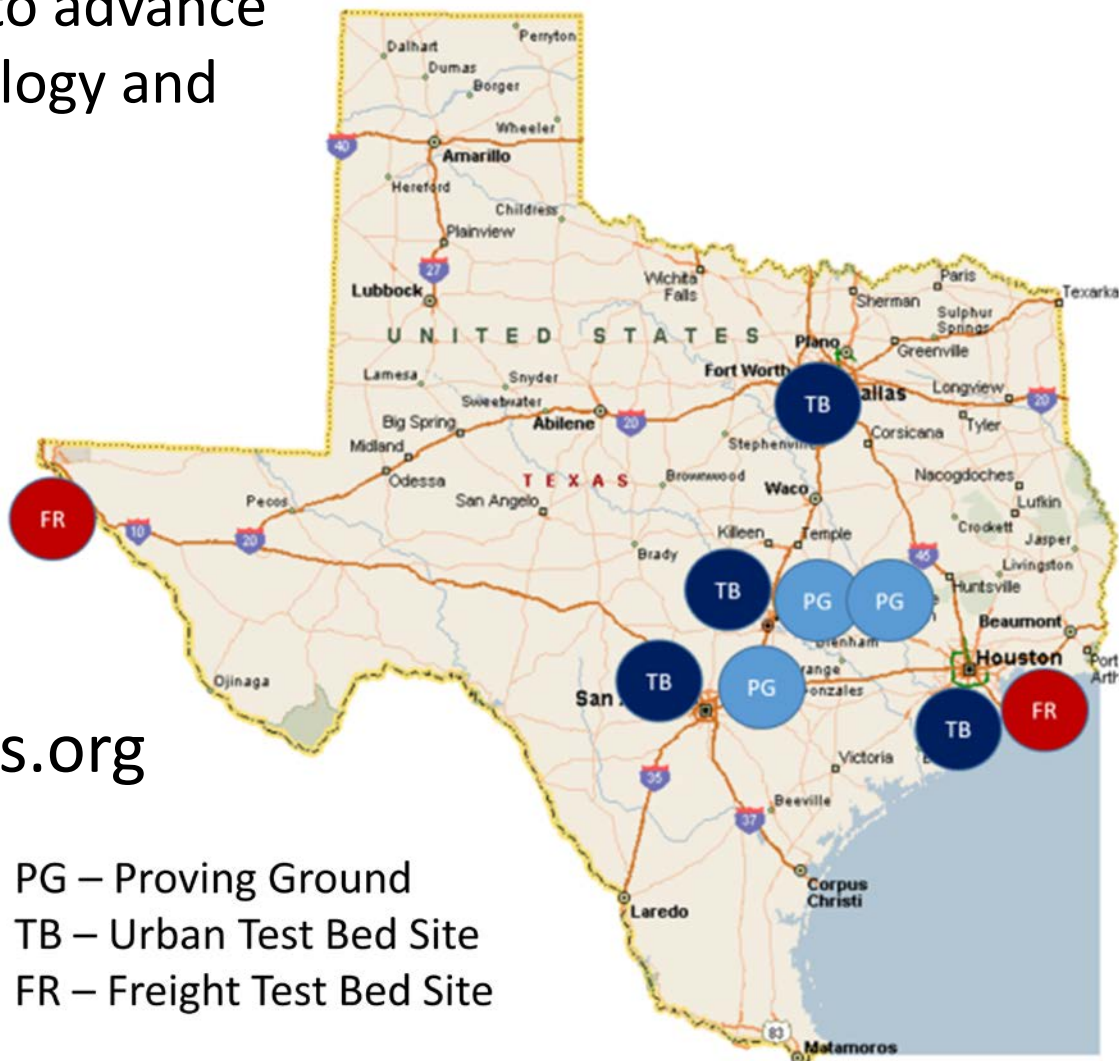


- Cross Traffic Warning
- Emergency Braking
- Pedestrian Detection
- Collision Avoidance
- Adaptive Cruise Control



Texas Proving Ground Partnership

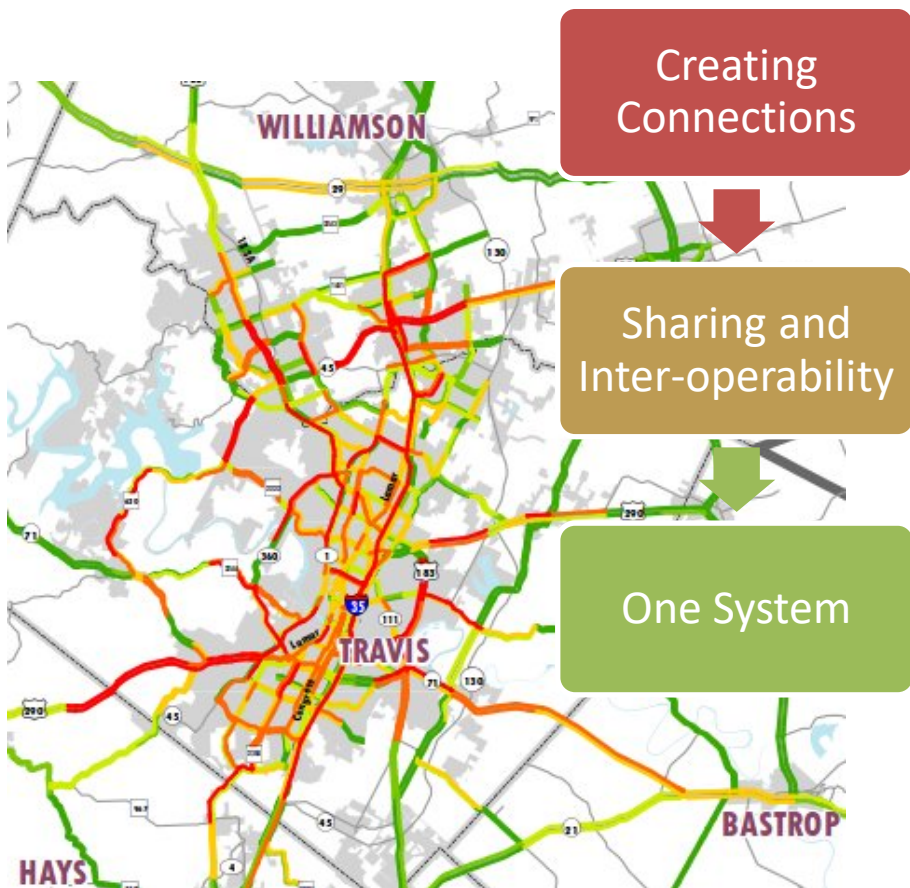
Leveraging Texas resources to advance automated vehicle technology and innovation



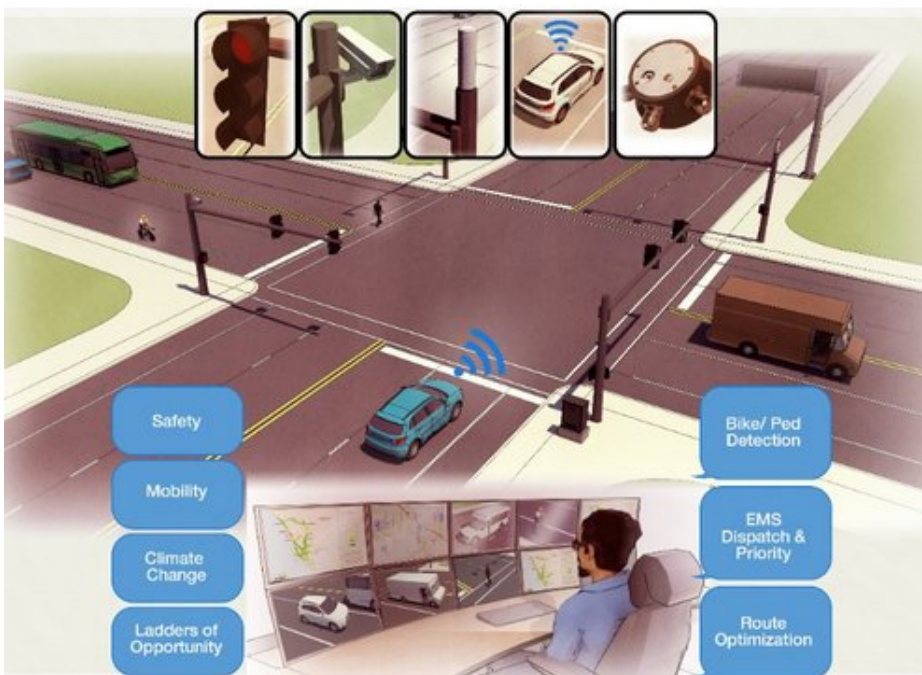
www.texasprovinggrounds.org

PG – Proving Ground
 TB – Urban Test Bed Site
 FR – Freight Test Bed Site

Why think regionally?



Regional transportation management



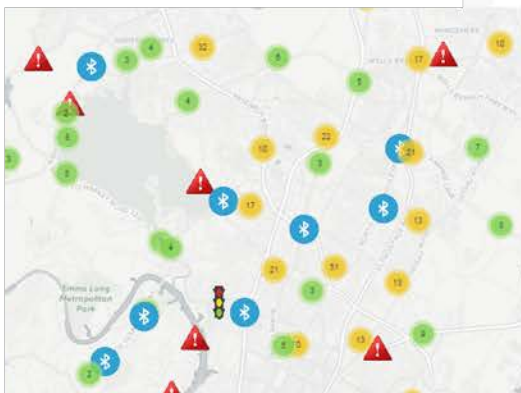
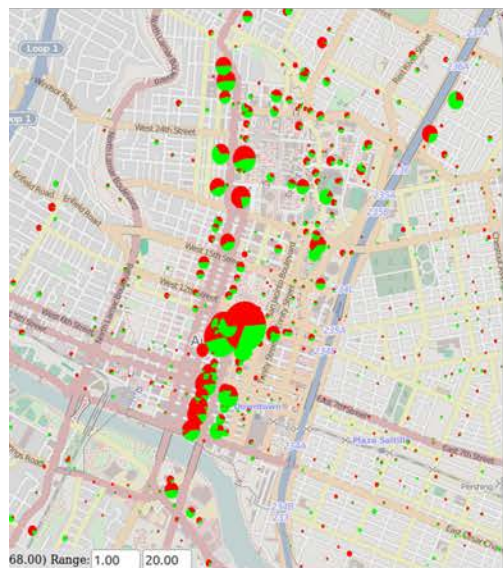


Data Rodeo

DATA RODEO

The Rodeo | The

A Data Analytics Environment for the Central Texas Region



Long-term data storage. Single point access to cross-agency regional data.

Customized access to data and tools for different user groups. Data downloads. APIs.

Understand and improve the transportation system through visualization and analytics.

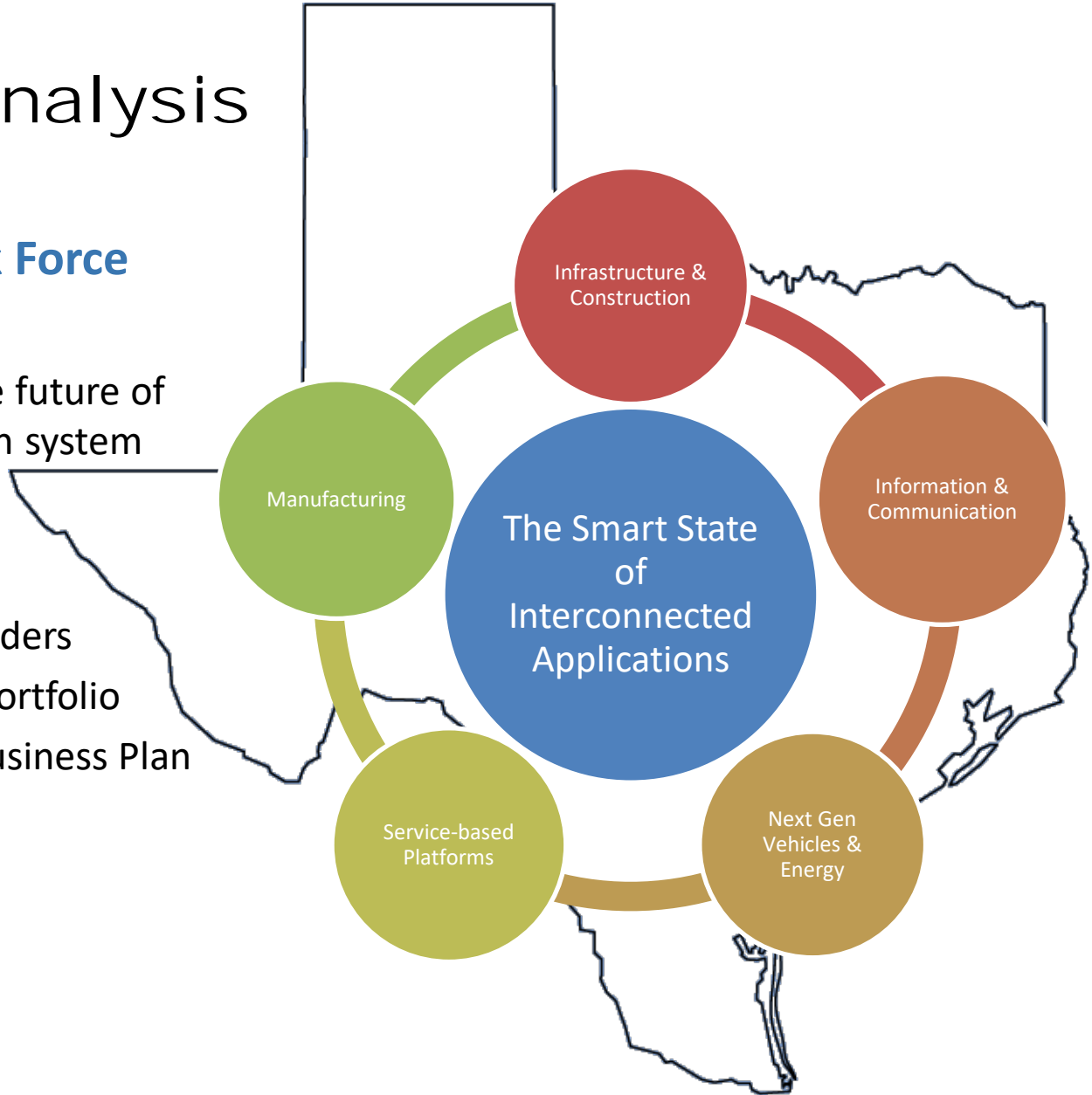


Policy Impact Analysis

Texas Technology Task Force

- Objective
 - Develop a vision for the future of the Texas transportation system

- Outcomes
 - Network of thought leaders
 - Emerging Technology Portfolio
 - Strategic Technology Business Plan



Summary

Broad Areas of Research

- Enhancing safety
- Relieving congestion
- Multi-modal transportation
- Strategic planning
- Improving current infrastructure management practices



Thank you!

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