Transportation Interim

September 18, 2024



Autonomous Vehicles and Emerging Technologies

Autonomous and Connected Technology

- Why does it matter?
 - Zero Fatalities: Safety sooner
 - Optimize Mobility: Signal preemption (snow plows, bus schedules), future capacity
- What is it?
- Where are we now?
- Where are we going?



Why does connected technology matter?

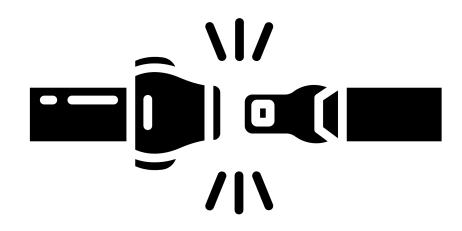
Safety Sooner

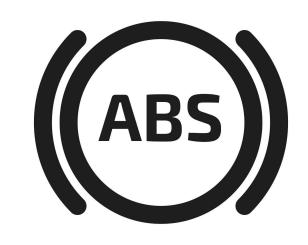
Zefe series Fatalities



Why does connected technology matter?







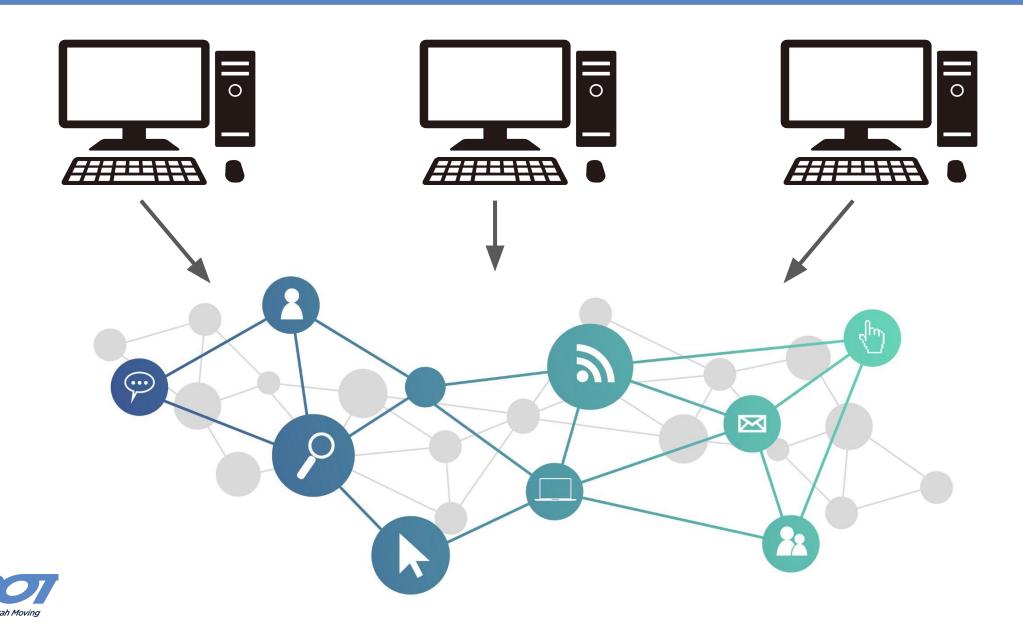
Air Bags

Seat Belts

Anti-Lock
Braking Systems



What is connected vehicle technology?



What is connected vehicle technology?

Automated Vehicle (AV)

Manage all or most driving tasks in varying degrees in certain areas.



Communicates with nearby vehicles and infrastructure





Leverages automated and connected vehicle capabilities



Where have we been and where are we going?

- Legislature passed comprehensive automated vehicle legislation in 2019
- Panasonic partnership
 - Connected vehicle technology ecosystem
- Signal preemption for snow plows and UTA busses . . . and beyond
- \$20 million federal grant for V2X Deployment: Connecting the West





