



Interactive dialog about Autonomous Shuttles:

- Who is Robocist
- Background
- Autonomous Shuttle Deployment Approach
- Fort Bragg Deployment
- Greenville, SC Deployment

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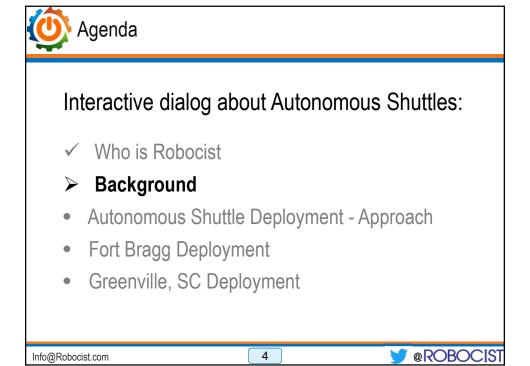


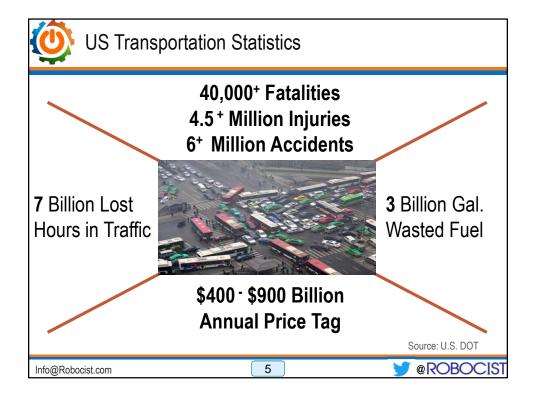
Bridging the gap between current and emerging transportation technologies

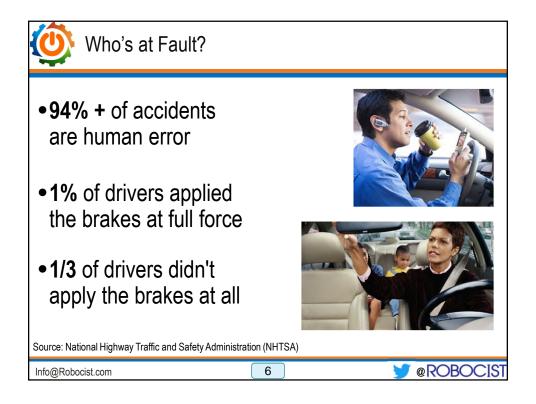


- Technology Scouting & Feasibility
- Demonstration, Evaluation & Implementation
- Driver Safety Technology Development
- Transportation Data Analytics

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Fully Autonomous Vehicles

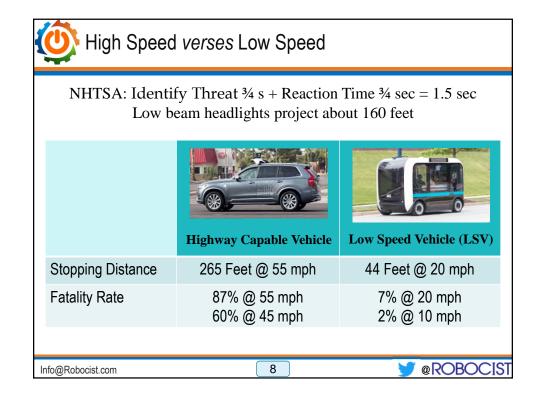
- Drive themselves without human input
- GPS, LiDAR, radar, cameras, odometry, simulation, artificial intelligence, computer vision
- Interpret the driven environment
 - Self location, position, speed and trajectory
 - Object recognition, location, trajectory and intercept
 - Traffic signs and road markings
 - Accurately assess potential hazards

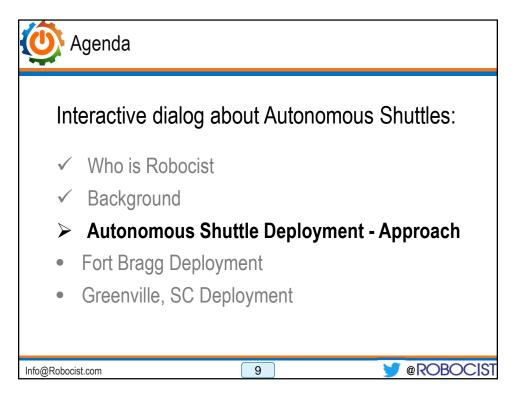
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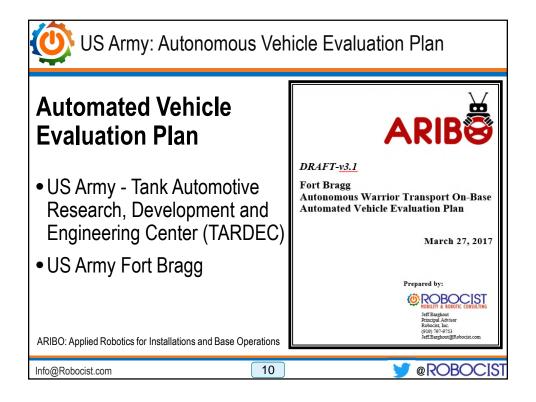
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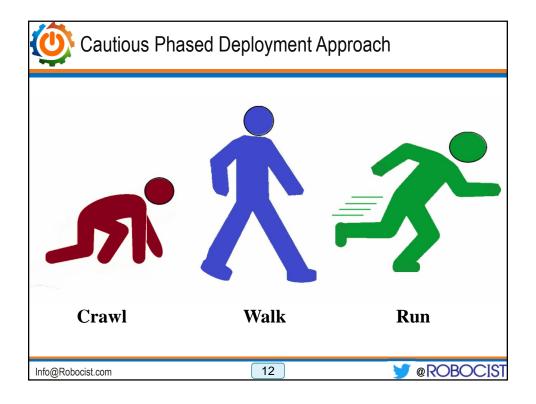


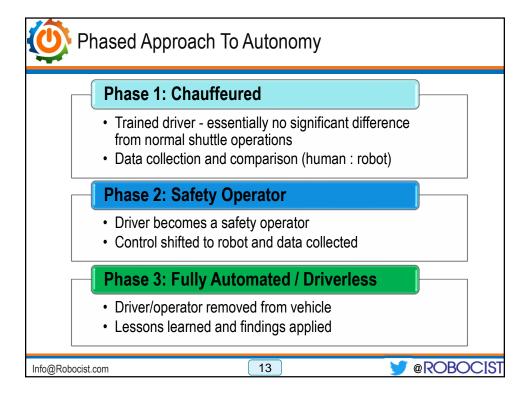


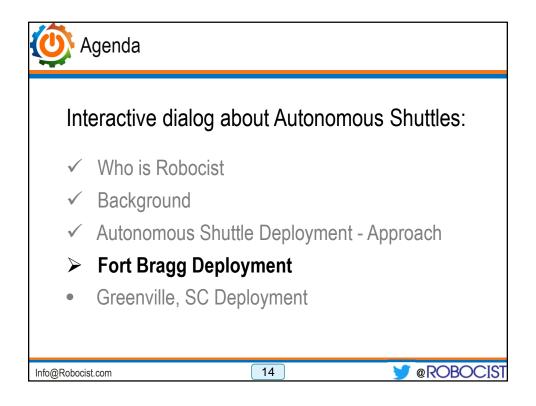


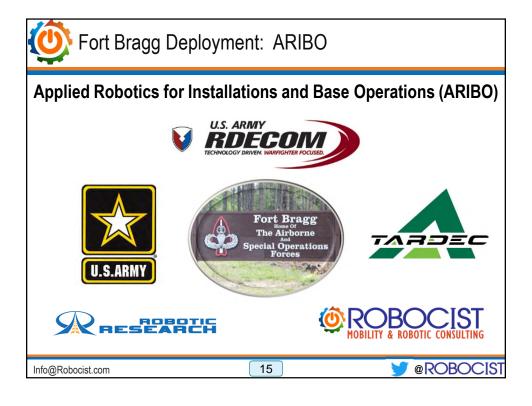
- Mechanical Evaluation
- Rules of the Road
- Obstacle(s) Detection, Identification and Response
- Object(s) Recognition, Trajectory Prediction and Response
- Pedestrian Reaction
- Traffic and Intersection Negotiation
- Critical Path Planning and Selection
- Driver, User and Observer Subjective Input
- And many more ...

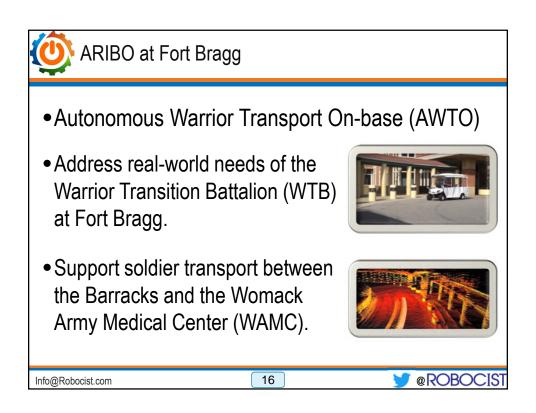
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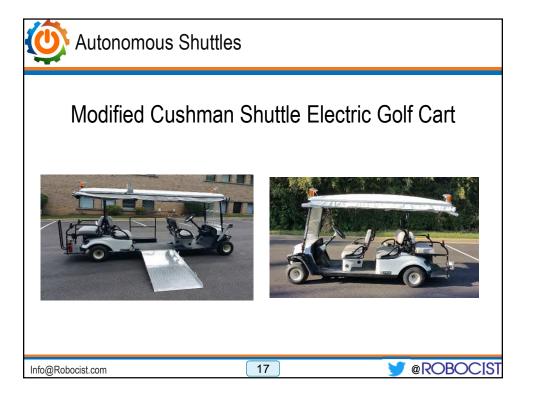


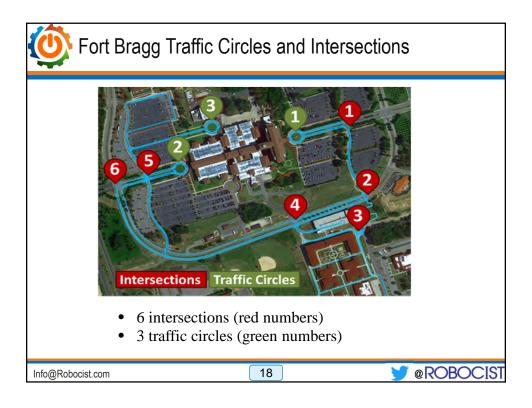








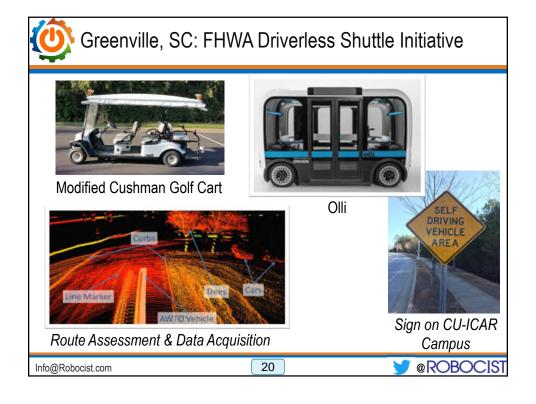






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Greenville, SC: FHWA Driverless Shuttle Initiative

- Greenville County Council and Greenville City Council
- Carolinas Alliance 4 Innovation (CA4I)
- Robotic Research, LLC (RR)
- Local Motors (LM)
- Robocist, Inc.
- Clemson University's International Center for Automotive Research (CU-ICAR)
- Verdae Development, Inc
- Global Autonomous Vehicles Partnership (GAVP)
- National Renewable Energy Laboratory (NREL)

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U.S Department of

Transportation

Federal Highway Administration



- Equitable Transportation: Democratize for the elderly, disabled, and poor
- **Vision Zero**: Reduce traffic fatalities and injuries
- Improve Environment: Reduce pollution and congestion
- Livable and Walkable: First-mile / last-mile
 - live, work, shop and play
- Economical: Develop and demonstrate self-sustaining business models

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