

Update on US Automated Transit Projects.

TRB's Automated Road
Transportation
Symposium

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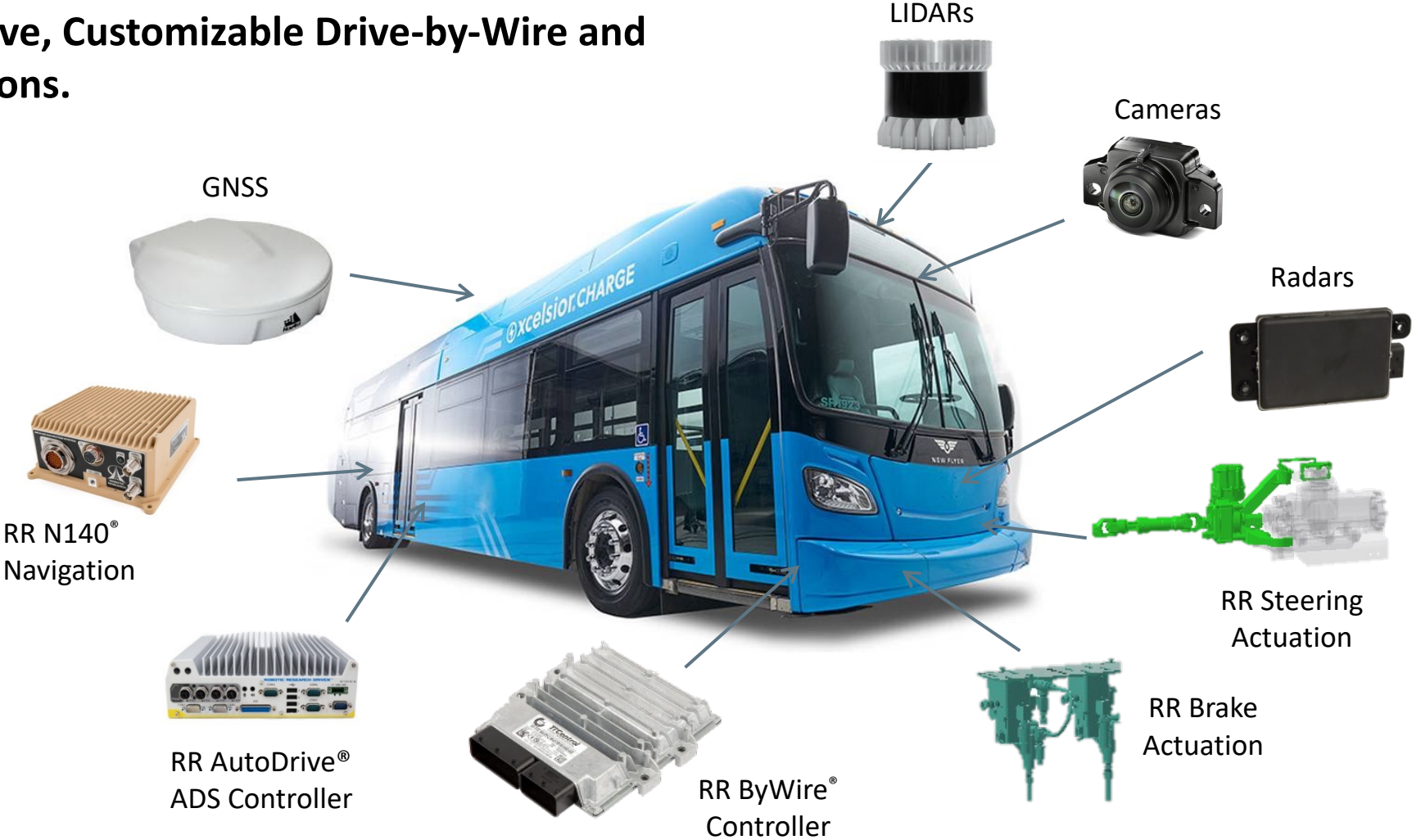
Automated Bus Deployment in the US

- Two dimensions: autonomous bus and ADAS applications
- Autonomous buses
 - Robotic Research and New Flyer built a Level 4, 40-foot electric bus
 - Connecticut DOT will deploy 3 New Flyer buses on a BRT line in 2023
 - Automated Bus Consortium: later this year ABC will select automated buses to be deployed for 10 transit members. Aecom is project manager.
- Automated Driving Systems (ADS) and Automated Driver Assist Systems (ADAS)
 - Automated bus parking
 - Automated precision docking (Kansas City)
 - Platooning (Connecticut BRT)
 - Automated lane keeping (Minneapolis)
 - Automated collision avoidance (Pierce County Transit)
- Summary report [Automated-Bus-Rapid-Transit-Mudge-and-Lutin.pdf](#)
[\(roboticresearch.com\)](#)

ADAS & Autonomous Driving Technology

AutoDrive[®] is a tailored, cost-effective solution that is platform-agnostic self driving technology.

Comprehensive, Customizable Drive-by-Wire and Sensor Solutions.





Robotic Research is the autonomy provider for this Automated BRT project with the Connecticut DOT. In partnership with New Flyer, Robotic Research will automate three New Flyer Xcelsior 40-foot-long buses for revenue service deployment.

CTfastrak

Automating the First Bus Rapid Transit Line.

Robotic Research Technology Demonstrating:

- Automated Steering/Braking
- Platooning
- V2V
- V2I
- Precision Docking

Autonomous Capabilities

Increase Efficiency
Improve Connectivity
Increase Accessibility



First Automated
Bus Rapid Transit



First Automated
Bus in Revenue
Service



First Automated
Precision Docking



First Automated
Platooning Buses



KCATA Precision Docking

ADAS Curb Detection and Parking Assist.

Robotic Research Technology Demonstrating:

- Curb Detection
- Trajectory Prediction
- ADAS Precision Docking

Autonomous Capabilities

- ✓ Increase Efficiency
- ✓ Improve Safety
- ✓ Increase Accessibility

Robotic Research is the technology provider for this Precision Docking project KCATA. Robotic Research will automate three Gillig 40-foot-long buses for revenue service deployment.

Q3 2022 Demonstration of Precision Docking Capabilities in Revenue Service.