



# Introducing FTA's Strategic Transit Automation Research (STAR) Plan



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# FTA RESEARCH

FEDERAL TRANSIT ADMINISTRATION

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# Agenda

- Bus Transit Automation: Background and Context
- Development of the STAR Plan
- Opportunities to Participate and Next Steps

# FTA Research Vision

Innovative technologies, projects, partnerships, and world-class infrastructure promote economic growth, productivity, safety, and improve quality of life in communities.



# BUS TRANSIT AUTOMATION: BACKGROUND AND CONTEXT

# Why Automate Transit?

- Improve safety
- Increase efficiency and productivity
- Potentially reduce costs
- Increase traveler convenience through improved service frequency and flexibility
- Expand service hours and area
- Increase customer satisfaction
- Adapt to change

# Automation Research Goals

- Conduct **enabling research** to achieve safe and effective transit automation deployments
- **Identify and resolve barriers** to deployment of transit automation
- **Socialize automation** for transit stakeholder community
- **Demonstrate market-ready technologies** in real-world settings
- Leverage technologies from other sectors to **move transit automation industry forward**