



Automated Vehicles and the Cycle of Goods Movement

Autonomy at every step of the goods movement journey

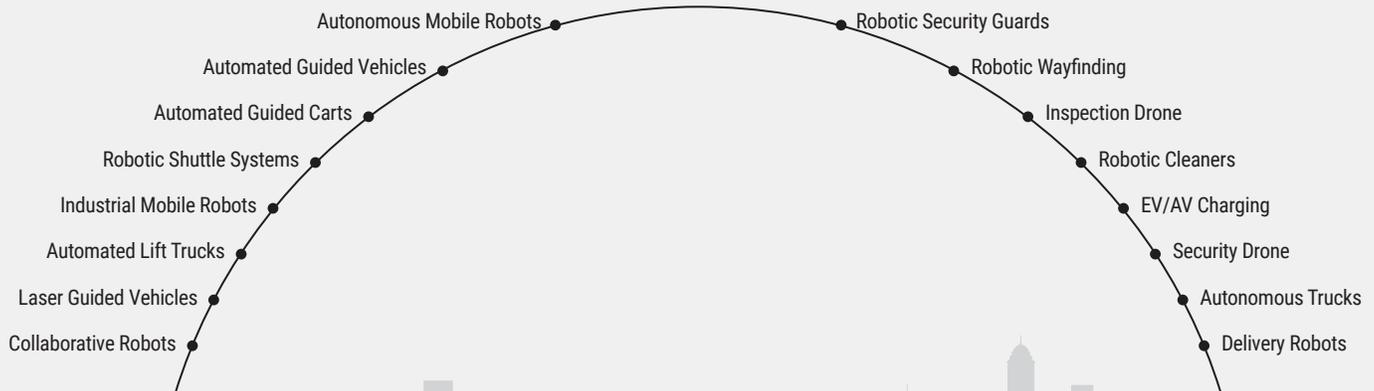
The e-commerce boom and demand for faster delivery have pushed the trucking industry—in essence, the “middle mile” that first-/last-mile deliveries connect to—toward autonomous vehicles (AVs). With highly predictable routes and lack of cross traffic, interstates and limited access highways play to the strength of automation for long-haul trucking. And as the industry embraces autonomous trucks, it will need a new generation of strategically located logistics centers for unloading goods for local last-mile distribution and for refueling (or, increasingly, recharging) to get trucks back on the highway.

Potential use cases:

**GOODS MOVEMENT
& LOGISTICS**

- Transport of Goods
- Loading and Unloading
- Distribution
- Inventory

AVs, Automation, and the Cycle of Goods Movement



Accelerating Autonomy in the Goods Movement Cycle

We're driven to help our clients ahead of the competition, balancing the operating requirements of a warehouse and distribution center with changing consumer demands and enabling technologies. It is this passion that has us so committed to bringing autonomous vehicle technology into goods movement and trucking. With promised benefits of safety and efficiency, the AV applications are immense. Our AV consulting arm, Stantec GenerationAV™, is advancing automated mobility systems to create a safer, cleaner, more equitable world for future generations. Together with our transportation and industrial planners and engineers, we can help our clients determine the best use cases and create and implement a plan to deploy AVs in a way that adds value for everyone involved.

Services & Products:

- AV Strategy and Planning
- Learning Center
- AV Deployment Playbook
- Industry Analytics Platform
- Safety, Risk, and Compliance Assessment
- Infrastructure Planning and Design
- Stakeholder/End-User Research
- Cyber Security Assessment

Connect with us

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