Automated Vehicles & Community Development

Empowering communities to harness technology

An urban park in the heart of a bustling downtown. A retail and business park. A new master planned residential development. Each of these communities is unique, yet each has a very similar end goal – to serve the needs of its people, be they residents, visitors, or workers. Introducing automated vehicles (AVs) into these environments can go a long way toward helping these spaces achieve that goal. From moving people and connecting them with vital services, to delivering essentials like food and medicine, and even helping to keep the land around them clean, AVs can provide a wide range of services, all contributing to safer, cleaner, more equitable communities for all.
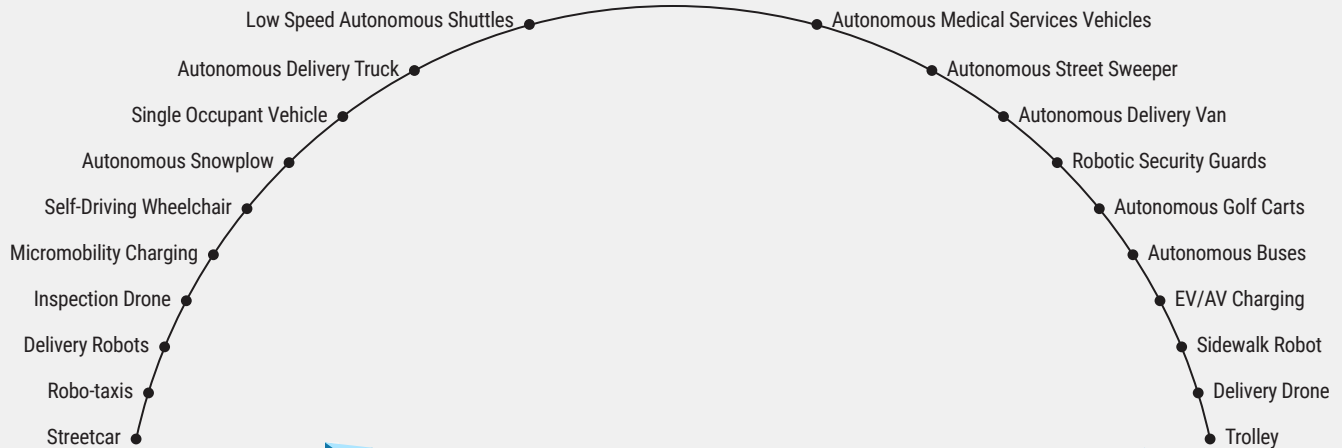
Potential use cases:

LOGISTICS & MOBILITY
People Moving
Food Delivery
First/Last Mile Connections
Medicine Delivery
Medical Transport
Emergency Services

SUPPORT SERVICES
Cleaning
Security
Inspection

AVs in Communities

Low Speed Autonomous Shuttles
Autonomous Delivery Truck
Single Occupant Vehicle
Autonomous Snowplow
Self-Driving Wheelchair
Micromobility Charging
Inspection Drone
Delivery Robots
Robo-taxis
Streetcar

Autonomous Medical Services Vehicles
Autonomous Street Sweeper
Autonomous Delivery Van
Robotic Security Guards
Autonomous Golf Carts
Autonomous Buses
EV/AV Charging
Sidewalk Robot
Delivery Drone
Trolley

Accelerating Autonomy in our Communities

Strong communities don't just happen—they're built. They're creatively imagined, collaboratively planned, and readied to face tomorrow with optimism. Whether we're bringing new life to an urban center, transforming a brownfield site into a valuable asset, or developing a new place for families to grow, we balance the needs of today with a passion for tomorrow.

It's this passion that has us so interested in bringing autonomous vehicle technology to our communities. With promised benefits of safety, efficiency, and accessibility, 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 community 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

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