



Autonomous Vehicles:

The Road Ahead for Municipalities

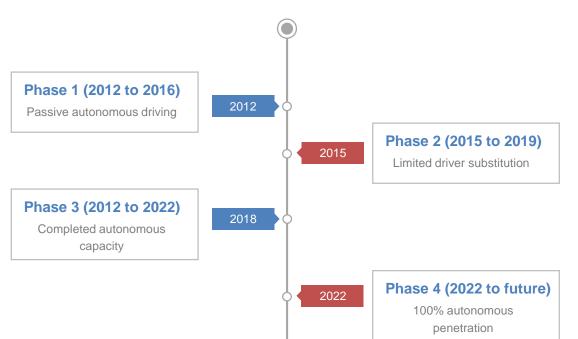
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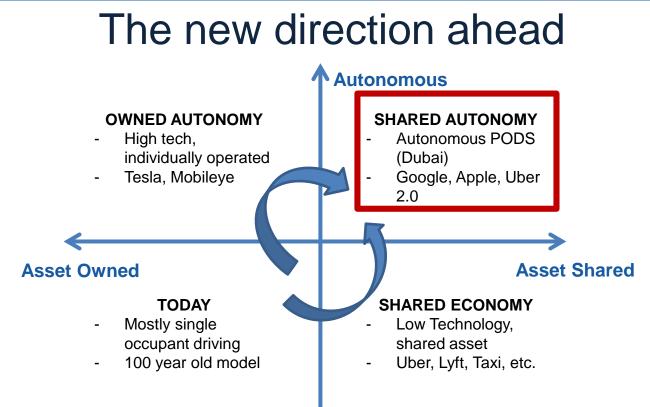


The Direction Forward









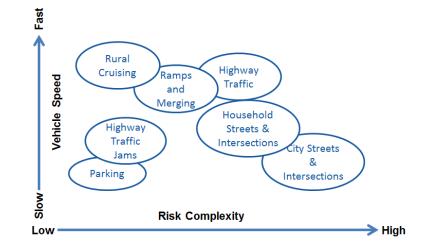
W Human Operated

Region of Peel working with you



The Complexity of Autonomous Vehicles

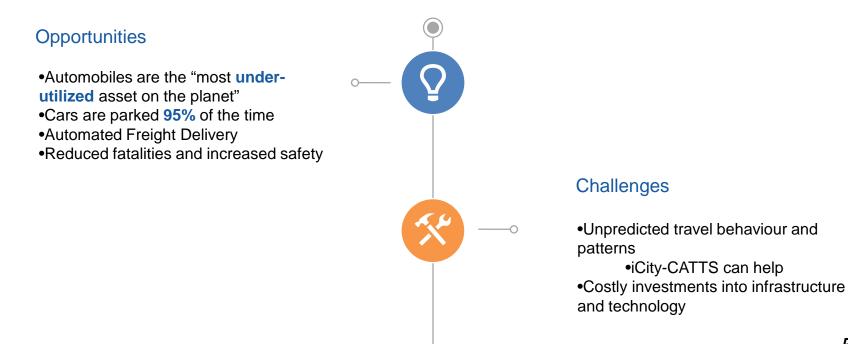
- The Region of Peel has a very diverse set of roads which results in a diverse set of risks
- Considerations for traffic, rights of way, pedestrians, and cyclists in urban, suburban and rural contexts







A Simultaneous Opportunity and Challenge

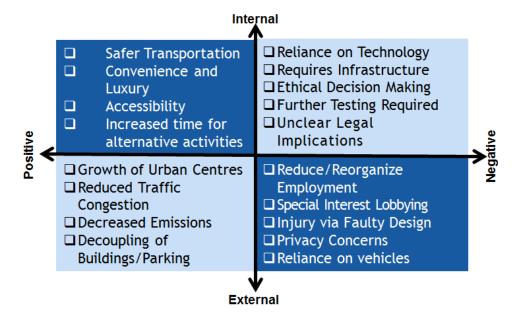


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A Simultaneous Opportunity and Challenge

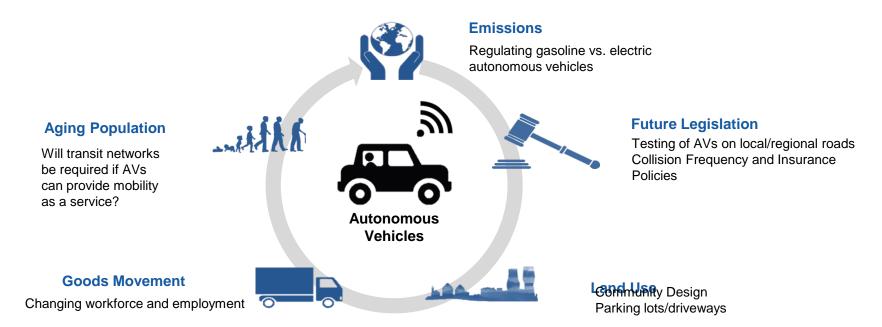
- The degree to which municipalities prepare for AVs will determine which opportunities can be leveraged and which challenges can be mitigated
- Planning will require collaboration and extensive partnerships







Impacts to Future Transportation Planning

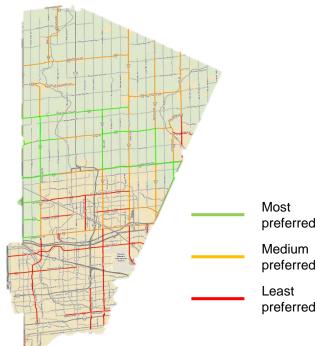






Testing Autonomous Vehicles – Region of Peel

- The Region of Peel has a very diverse set of roads which results in many different risks
- Safety of residents in the number one priority
 - High density urban roads are not preferred testing routes (yet)
- Collaborate with MTO and MACAVO to develop testing regulations on regional and local roads
 - Move towards driverless testing



Note: This is non-official and in the draft stage

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Region of Peel working with you



Looking Ahead: Municipal Initiatives

- Municipalities are entering unchartered territory in preparation for Autonomous Vehicles
- The Region of Peel dedicated a chapter to Autonomous Vehicles in its Long Range Transportation Plan
- Roles for Governments:
 - AV Data Collection and Maintenance
 - Envision municipal financing and revenue streams of autonomous vehicle mobility
 - Ensuring social equity and employment access for residents through AVs
 - Estimate impacts of AVs on zoning, bylaws, parking, etc.
 - Identifying opportunities in delivering municipal services through autonomous vehicles







Thank You!

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