

Autonomous vehicles

The experts agree: The question is no longer if autonomous vehicles will appear on our roads, but when. The social and environmental benefits of this technological revolution are many, including:



1 Improved safety

Human error causes 94% of traffic accidents.¹ Autonomous vehicles have the potential to improve road safety by 50% to 90% by making dangerous maneuvers due to slow reaction times, fatigue, and other types of distractions a thing of the past.

2 A better quality of life

The high-performance navigation systems used by autonomous vehicles can coordinate traffic better and are therefore better at keeping traffic moving. This should, among other things, reduce the stress associated with driving at rush hour. Autonomous vehicles will also improve mobility for the disabled and people without a driver's license. Organized carsharing and autonomous shuttles will make it easier to avoid driving alone, resulting in a much greater quality of life in urban and semi-urban environments.

3 Lower costs

Besides the new jobs and new economic sectors created and developed by the autonomous vehicle industry, lower costs associated with congestion, fuel, and road accidents could save Canadians up to \$65 billion per year.²

4 Less pollution

By 2030 autonomous vehicles have the potential to reduce greenhouse gases (GHG) by 87% to 94%, compared to a standard car manufactured in 2015.³ The rise of the autonomous vehicle will also lead to a significant jump in electric vehicle carsharing, with even fewer GHG emissions and less noise pollution.

5 Greener cities

In North America, there are currently eight parking spaces for each car. An increase in autonomous vehicle carsharing could have a major impact on urban planning. Excess parking spaces could be turned into parks, bike paths, wider sidewalks, and community gardens.⁴