

Cities Are Getting Ready for Autonomous Vehicles

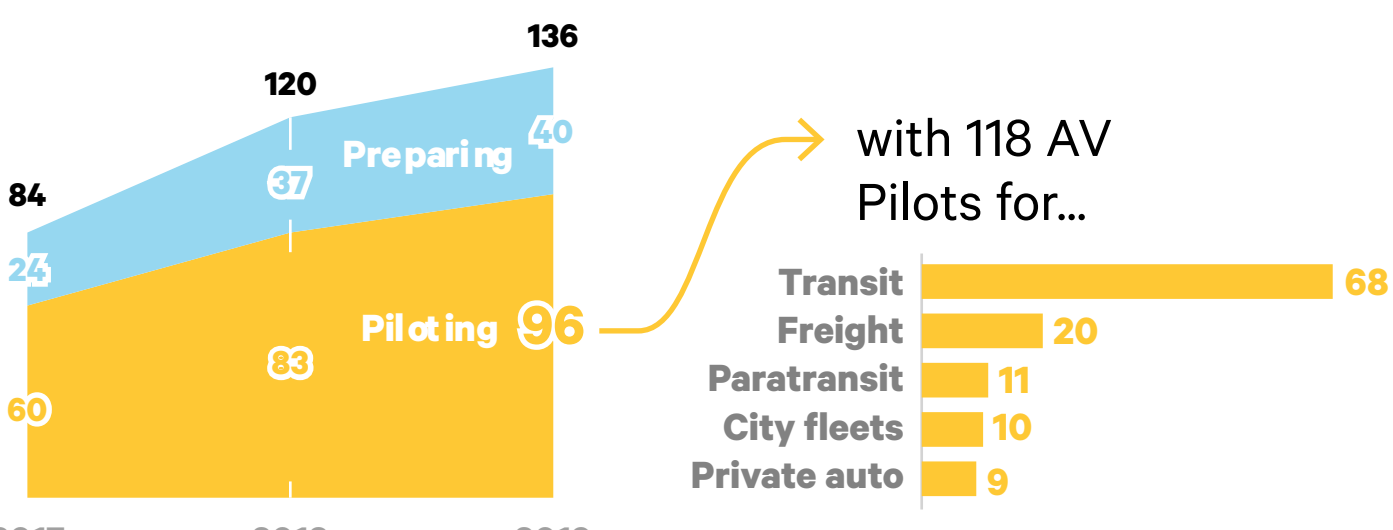
2017-2019

From October 2017 to November 2019, the Bloomberg Aspen Initiative on Cities and Autonomous Vehicles studied the efforts of more than 136 cities preparing for the transition to a world with AVs. This survey, available as an interactive atlas at <https://avsincities.bloomberg.org> provides cities with essential information and allows them to learn from one another. This infographic highlights the key achievements, open questions, and emerging trends revealed in the work led by cities all over the world to harness autonomous vehicles.

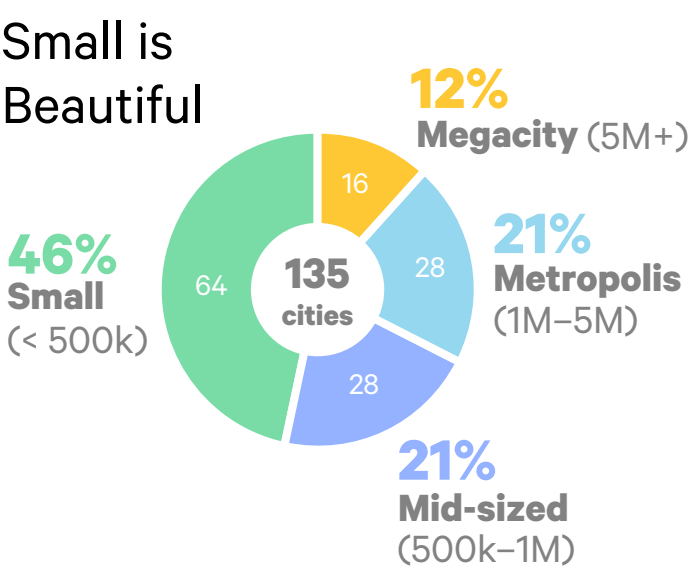
Driving Innovation

As the pace of autonomous vehicle (AV) innovation picks up, cities have become the proving ground of choice. Tech giants, automakers, and startups alike are focused on cities because that is where future customers live and work.

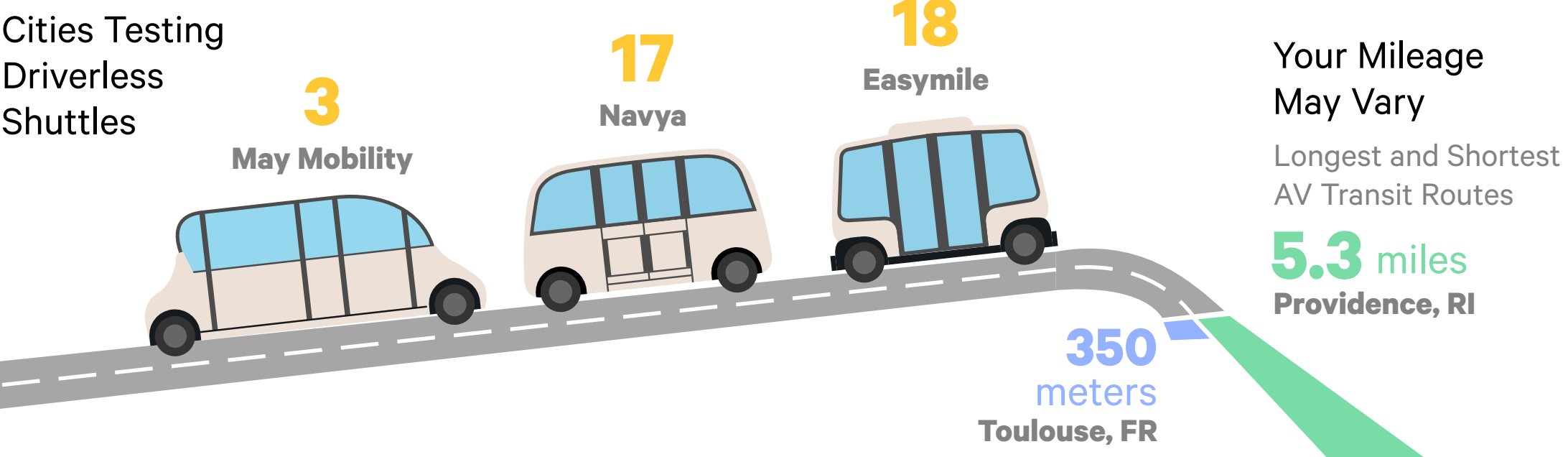
Cities Are Jumping In



Cities and their partners have raised more than **\$800 million** in AV pilot funding.

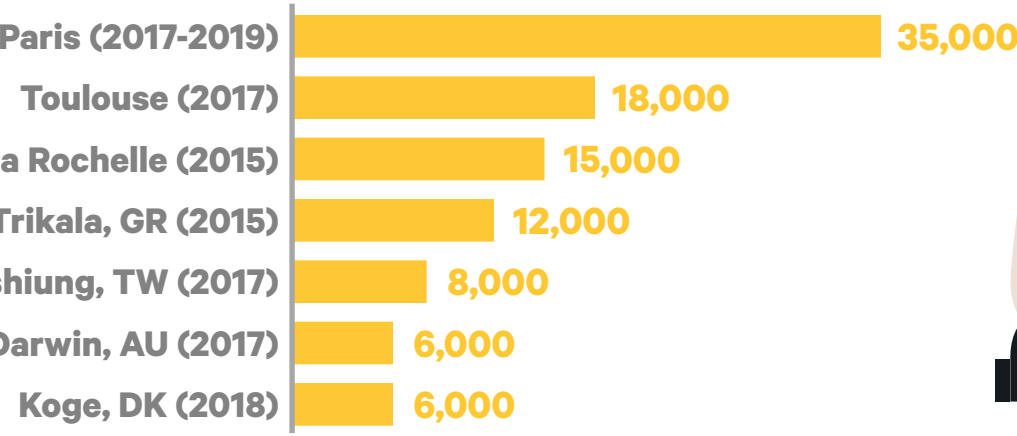


Shuttles Take Over the Last Mile



Driverless Shuttle Pilots

Number of Passengers Carried



Hotspots



Open Questions

While cities have gained valuable first-hand knowledge on the capabilities, testing requirements, and risks of AVs, bigger questions have arisen from early pilots and planning efforts.

Do cities need new infrastructure?

Las Vegas



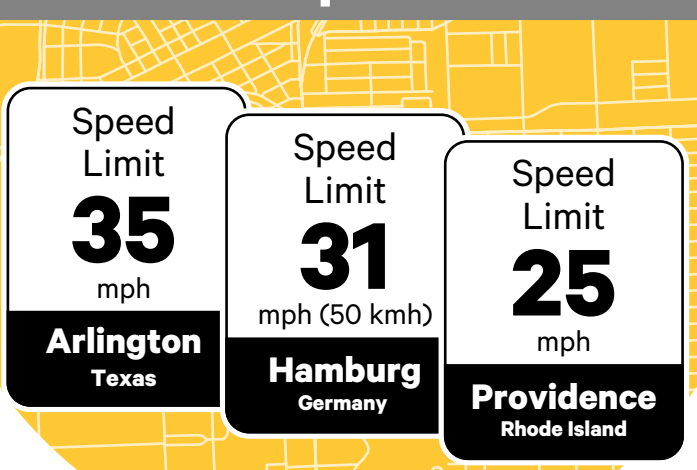
Las Vegas' Convention and Visitors Authority is building a mile-long Loop Mass Transit System with The Boring Company, at a cost of nearly \$50 million. AVs will travel through the system at up to 155 miles per hour.

Jacksonville



Jacksonville plans to convert the 1980s-era Skyway elevated people mover system to a driverless shuttle guideway. Automation could slash costs of expanding the system by 50 to 75 percent.

Do AVs Need Speed Limits?



Berlin



Berlin's DIGITNET-PS initiative is deploying an AV test zone in the heart of the city, along a major boulevard near the Brandenburg Gate—bringing together industry, academic researchers, and the city's environment and transport agencies

Will AVs Deliver on Carbon-Crunching Expectations?

Washington, DC

DC's Autonomous Vehicles Working Group published a statement of principles in 2018, arguing that "AVs should help reduce the carbon footprint of the District."

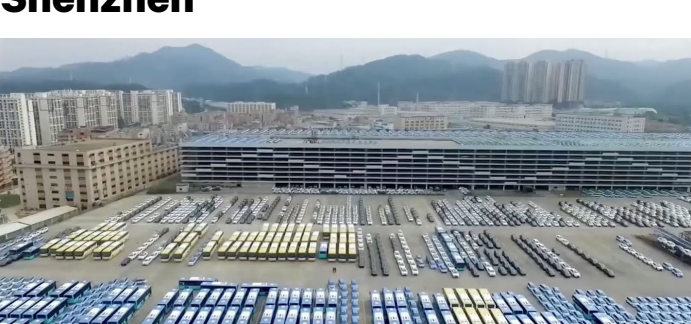
Toronto

The city's 2019 Automated Vehicles Tactical Plan calls for "shared AV fleet vehicles which are built-to-last... transforming the cradle-to-grave cycle of the current auto industry."

Emerging Trends

Scaling Up AV Transit

Shenzhen



The world's largest fleet of some 14,000 all-electric buses has already logged 8000 km in tests of self-driving technology.

Singapore



Nanyang Technological University and Volvo are testing a full-size campus bus.

Edinburgh



In 2021, five AV buses will begin service on a 14-mile route linking the Scottish capital and the city of Fife Peninsula via the Forth Road Bridge.

Moving Goods

Gothenburg

Volvo is testing a modular AV truck called Vera connecting a logistics center and a container port.

Seoul

Startup Unmanned Solutions is testing a fleet of AV delivery vehicles carrying up to 200 kg, at Digital Media City, a high-tech urban district.

Tallinn

In 2016, scooter-sized AVs built by Starship Technologies logged more than 1000 km delivering food to customers throughout the Estonian capital.

Bigger Ambitions, Growing Partnerships

