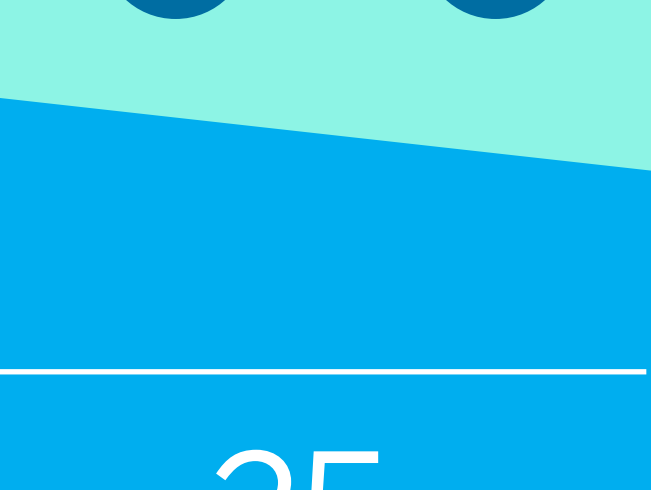


connected and autonomous vehicles

Connected vehicles are everywhere these days, and fully autonomous cars are just over the horizon. The promise is safer, more efficient roads; however the key to making these vehicles work is fast, reliable network connections.



At a glance

80%

fewer non-impaired incidents expected from connected vehicles¹

75%

of cars will be autonomous by 2040²

25

years of experience building networks

Networks that move traffic.

Many of the vehicles on the road today rely on data connections to perform certain functions. But as fully autonomous vehicles move closer to reality, new small cells, fiber, and other network infrastructure will be needed to manage the large data sets generated.

EDGE DATA CENTERS

Localized data centers allow navigation and environmental data to be processed quickly, without interruption or burden to the transport network.

5G

The next generation of wireless technology provides faster speeds, increased bandwidth, and lower latency connected vehicles need to send and receive data in real time.

SMALL CELLS

Small cells fill in wireless coverage gaps and play a crucial role with new technologies like 5G.

FIBER

The nearly unlimited bandwidth of fiber provides the crucial connectivity that wireless networks will rely on to transmit connected and autonomous vehicle data.

Making our cities safer and more livable.

With the right communications infrastructure in place, autonomous vehicles will make our cities safer, our commutes faster, and our time better utilized.

IMPROVED SAFETY

When cars can communicate with each other and their surroundings, they'll be better able to anticipate trouble and avoid collisions.

REDUCED TRAFFIC

When you remove human error from the equation, cars can move faster and more efficiently, reducing commute times by as much as a third.³

LESS POLLUTION

Reducing traffic also reduces emission and improves air quality.

1. United States Department of Transportation, "Connected Vehicles: Benefits, Roles, Outcomes," 2015

2. NAIC, "Self-driving car." 2018

3. Engadget, "Audi: Autonomous cars alone won't solve traffic jams," 2018