

How 5G Is Driving the Auto Industry Forward





The automotive industry continuously advances new innovation to better serve drivers, from enhanced safety features to electric batteries to information-sharing with other vehicles and infrastructure.

Today, wireless networks are an integral part of this innovation, guiding how drivers gain awareness of what's around them, how they entertain passengers, and how vehicles are manufactured.

Automakers are first movers in understanding how new generations of networks, like 5G, help unlock new capabilities, including:

- + Increasing the amount of data that can be carried and the speed at which this data arrives to a navigation app, onboard infotainment system, or internal system for predictive and planning functions
- + Ultra-low latency that eliminates lags and delays when split seconds matter
- + The potential to support 100x more devices for connecting everyone and everything on the road, from sensors to smartphones to public safety and traffic management systems

To drive these innovations, U.S. policy needs to continue to provide access to full-power licensed spectrum for the deployment of wide-area networks that reach America's drivers in urban, suburban, and rural areas.

The industries represented by CTIA—The Wireless Association and the Alliance for Automotive Innovation (Auto Innovators) work at the confluence of wireless capability and automotive innovation to power, drive, and build the vehicles of the future—and the policies needed to support these efforts.

The key now is to ensure public policy promotes future innovation in the United States. This includes reauthorizing the FCC to hold needed spectrum auctions and allocating more spectrum that's targeted to meet consumer demand and drives future industry advancement and investment.

Auto Innovators and CTIA support thoughtful spectrum policy that allows industries to invest long-term in future solutions and technologies, as well as policy that reflects the importance of international harmonization to support global economies of scale for equipment and related technologies.

Read on for a peek at how the wireless and automotive industries are working together to offer 5G-powered innovations, with a focus

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