

Last Week In Innovative Mobility

April 17-23, 2023



AUTOMATED VEHICLES

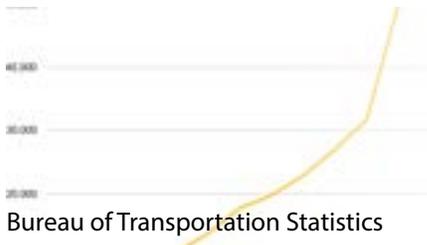
Automated vehicles (AVs) increase data privacy concerns. As AVs are developed, there are worries that the systems that enable them and help improve safety will result in privacy breaches. Industry stakeholders are voicing concerns that vehicle companies may struggle to police themselves if profits are on the line.

AUTOMATED VEHICLES

BYD, a Chinese electric vehicle manufacturer, believes that full AV deployment is nearly impossible. Some of the challenges BYD cites to the difficulties of full-scale AV deployment include ethics, regulation, technology, and human psychological safety needs. However, BYD does see some opportunities for automation in factories.



CNBC/Everlyn Cheng



Bureau of Transportation Statistics

ELECTRIC VEHICLES

Electric vehicle (EV) charging stations experience significant growth. As of April 2023, there are nearly 70,000 alternative fueling stations in the U.S., a 90% increase from the 40,000 alternative fueling stations available in April 2020. These stations include various fuel sources such as: ethanol, biodiesel, propane, hydrogen, and natural gas and electricity.

ELECTRIC VEHICLES

California Senate Bill (SB) 233 could make bidirectional EV charging the norm. Bidirectional charging allows EVs to both receive and deliver power. SB 233 would require all EVs sold in the state to be equipped with bidirectional charging capabilities.



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ELECTRIC VEHICLES

Hertz, the rental car company, adds 4,000 EVs to its EV program, Hertz Electrifies. The new EV additions will be available in Atlanta, Georgia, and can be rented by Hertz customers and Uber drivers. Hertz also is partnering with BP to install up to eight DC fast chargers to support the EV additions to the Hertz fleet.

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Innovative Mobility Research (IMR) focuses on the future of mobility and is based at the Transportation Sustainability Research Center at the University of California, Berkeley

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