

Last Week In Innovative Mobility

October 23 - 29, 2023



AUTOMATED VEHICLES

Cruise announces that it will pause robotaxi operations nationwide following the California Department of Motor Vehicles suspension of their automated vehicle (AV) testing permits. Cruise has stated that they are taking this time to improve public trust in their operations following various on-road incidents with their AVs. Cruise plans to continue operating vehicles with a human safety operator on board.



Cruise

AUTOMATED VEHICLES

Uber partners with Waymo to provide AV rides to Uber customers in Phoenix, Arizona. If Uber customers are matched with a Waymo vehicle, they have the option to decline the AV. Uber reports that the rides provided in the AV will cost the same as the traditional Uber service with a human driver.



Allen J. Schaben

AUTOMATED VEHICLES

The Federal Highway Administration announces a \$40 million grant program to support vehicle-to-everything (V2X) technology. V2X technology allows vehicles to communicate with each other and road infrastructure to promote safety and provide vehicle alerts. The U.S. Federal Communications Commission has designated a certain band of cellular service frequencies to support V2X technology.



Cloud Yew, Dreamstime.com

ELECTRIC VEHICLES

Toyota announces developments in their solid-state electric vehicle (EV) battery technology that would have a range of about 745 miles. Toyota notes that they can produce solid-state batteries at almost the same rate as the lithium-ion batteries and expects that they will be available in 2027 or 2028. With most modern EVs having a range of about 300 miles, the solid-state battery technology is expected to reduce range concerns among consumers.



REUTERS

TNCs/RIDEHAILING

Uber announces a plan to import 10,000 BYD EVs to Australia to help their operations reach zero emission by 2040. Uber drivers in Australia can choose to rent an EV for one year or purchase the vehicle for \$48,000. These efforts are also expected to support the used EV market in Australia.



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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

