

Last Week In Innovative Mobility

October 26 - November 1, 2020



AUTOMATED VEHICLES

Waymo releases a report on automated vehicle (AV) testing in Phoenix, Arizona. The report includes data from January 2019 to September 2020 from Waymo's 600 vehicle fleet that operates in a 100 square-mile service area. The report consists of three parts: 1) hardware (e.g., sensors, computing platform); 2) automated driving system (e.g., adherence to road rules); and 3) operations (e.g., field safety programs).

AUTOMATED VEHICLES

Motional, Aptiv and Hyundai's AV research collaborative, partners with Via for an on-demand, shared, automated taxi service. The partners plan to connect Motional's AVs with Via's booking, routing, passenger, vehicle assignment and identification, customer experience, and fleet management technology. Motional and Via expect to launch the service in Motional's existing United States markets.



AUTOMATED VEHICLES

Waymo and Daimler, the Mercedes-Benz parent company, partner to deploy automated trucks. The partners plan to integrate Waymo's AV technology into a custom version of Daimler's heavy-duty Freightliner Cascadia semi-trailer trucks. The goal of the partnership is to develop Level 4 AVs, as defined by the Society of Automotive Engineers (SAE).



ELECTRIC VEHICLES

Ford plans to unveil its electric delivery van on November 12, 2020. The van is the electric version of Ford's Transit van, named E-Transit. The unveiling will include further information on the van's battery pack size, electric range, and other performance characteristics.



SHARED MICROMOBILITY



Network Vision

Data from Bird helps inform infrastructure changes in Atlanta, Georgia, Tel Aviv, Israel, and Santa Monica, California. Changes include: 1) adding 12 miles of protected active transportation lanes; 2) identifying locations for new, supportive infrastructure; and 3) planning for 19 miles of separated micromobility infrastructure and amenities in the respective communities. Bird has shared data since 2017 through the Open Mobility Foundation.

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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