

Last Week In Innovative Mobility

March 20-26, 2023



AUTOMATED VEHICLES

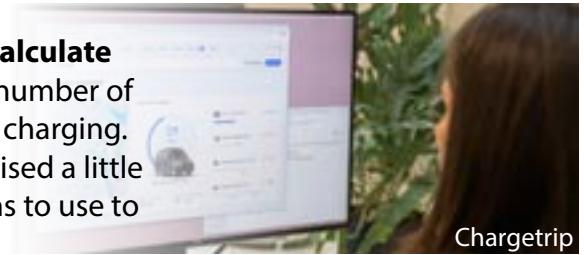
Tesla updates its Full Self Driving (FSD) software to address a recall by the National Highway Traffic Safety Administration. The four main components of the update that address the recall include improvements to: 1) decision logic at yellow lights, 2) approaches to stop sign intersections, 3) speed adjustments when entering speed zones and detecting speed limits, and 4) scenarios where vehicles may drive straight when in a turn only lane.



electrek

ELECTRIC VEHICLES

An Amsterdam-based startup, ChargeTrip, uses a routing engine to calculate real-time electric vehicle (EV) range. The routing platform considers a number of variables (e.g., weather, elevation) in EV routing to account for range and charging. ChargeTrip routed about 15% of EV drivers in Europe in 2022. They just raised a little under 11 million U.S. dollars in Series A funding, which the company plans to use to expand its service area to North America.



ChargeTrip

ELECTRIC VEHICLES

EV charger manufacturing may slow down as new "Made in America" rules are implemented. The rules are part of a \$7.5 billion federal grant and require that chargers are assembled at U.S. factories and use U.S.-made iron or steel enclosures. However, stakeholders have voiced concerned regarding the lack of domestic production capacity.



REUTERS/Andrew Kelly

URBAN AIR MOBILITY

LYTE Aviation, an aviation company, wants to offer a 40-seat electric vertical takeoff and landing (eVTOL) aircraft. The aircraft, the LA-44 SkyBus and SkyTruck, use environmentally friendly propulsion systems including hydrogen fuel cells and sustainable aviation fuel. LYTE Aviation anticipate that the aircraft will be in service in the 2030s.



Simple Flying

URBAN AIR MOBILITY

Archer Aviation and United Airlines launch an air taxi route in Chicago, Illinois. The commercial route is planned to operate over 12 miles between between O'Hare International Airport and Vertiport Chicago using an eVTOL aircraft. The route is expected to take about 10 minutes via eVTOL versus over an hour by vehicle.



United Airlines

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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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