

Last Week In Innovative Mobility

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AUTOMATED VEHICLES

The U.S. Department of Commerce announces a new rule banning the sale or import of Chinese and Russian connected vehicles. In addition, the rule bans Chinese automated vehicles companies from testing their vehicles in the U.S. The rule, which is based on national security concerns, has an exemption for vehicles over 10,000 pounds, allowing BYD to continue electric bus assembly in California.

ELECTRIC VEHICLES

Amazon announces their largest order of electric delivery vehicles in the United Kingdom (UK), including the Mercedes-Benz eActros and Volvo FM Electric heavy-duty trucks. The Amazon delivery fleet will be further supplemented by electric rail, electric vans, and e-cargo bikes, in efforts to reach the goal of zero-emission operations by 2040. To support electric vehicle (EV) operations, Amazon plans to install EV fast chargers across the UK.



Handout/PA

ELECTRIC VEHICLES

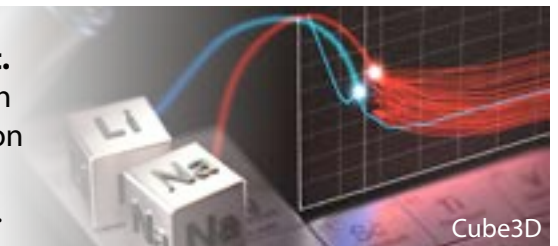
General Motors (GM) uses artificial intelligence (AI) to identify optimal locations for EV charging stations. After running an AI model and receiving expert insight on charger placement, GM works with Pilot Flying J and EVgo to install the EV chargers. GM is also working to improve the EV charging station experience with pull-through stations, weather canopies, lighting, and other nearby amenities.



General Motors

ELECTRIC VEHICLES

A recent study explores the future of sodium-ion battery development. Researchers argue that for sodium-ion batteries to be cost-competitive with lithium-ion, they need to boost their energy density without relying more on critical minerals. The study also suggests that if there's a disruption in the graphite supply chain, sodium-ion batteries could gain a competitive edge.



Cube3D

TRANSPORTATION PRICING

Data shows that traffic in Manhattan has dropped by roughly 7.5% since the introduction of congestion pricing. Other findings indicate a 40% reduction in morning rush hour travel times for those using the Holland and Lincoln tunnels. While subway ridership has not seen a significant increase, bus passengers from Brooklyn and Staten Island have risen.



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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

