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UPDATE

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**Freight Transportation | North America**

# TechTrack: Autonomous Trucking Gains Momentum With Major Fleet Deals, GXO Expands Humanoid Robotics, Walmart Advances Drone Delivery, AI Moves Deeper Into Logistics, & More…

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**FREIGHT TRANSPORTATION**
North America
Industry View **In-Line**

***Please see link below to previous TechTrack research:***

TechTrack

Autonomous trucking gains momentum as Aurora, Kodiak, Waabi and Einride expand fleet commitments and commercial operations. Meanwhile, GXO scales humanoid robotics, Walmart expands drone delivery and fulfillment automation, and AI adoption accelerates across retail and logistics.

The following headlines grabbed our attention in October:

**Trucking / Logistics: 1)** Charger Logistics Plans to Buy 500 Autonomous Trucks Using Aurora's Tech; **2)** Kodiak AI and DTL Transport Reach Agreement to Deploy 75 Autonomous Trucks; **3)** Volvo Autonomous Solutions, Waabi Launch First Commercial Lane in Texas; **4)** Kodiak AI, Charger Logistics Launch Autonomous Laredo Lane; **5)** Waabi, Warrior Logistics Begin Customer Operations in Texas; **6)** FMCSA Approves Warning Beacons for Autonomous Trucks; **7)** Einride, EASE Begin Daily Driverless Freight Runs in Ohio; **8)** Bot Auto Taps Lenovo, Nvidia, Pegs Autonomy Hardware at $50,000; **9)** PlusAI Targets Year-End Close on $800M Texas Ventures SPAC; **10)** Kodiak Driver Sets New Uptime Record, Running 64 Consecutive Days; **11)** ArcBest Expands Digital Shipping Tools With Enhanced ArcBest View Platform; **12)** C.H. Robinson Debuts Lean AI for Ocean Shipping, Air Freight and Customs.

**Omnichannel / Delivery / Parcel: 1)** GXO and Agility Robotics Expand Partnership to Accelerate Deployment of Humanoids in U.S. Operations; **2)** Arrive AI and Modovolo Partner to Advance Autonomous Drone Delivery; **3)** Walmart Opens Next-Generation Fulfillment Center in Stockton; **4)** Walmart to Expand Wing Drone Delivery to Denver, Seattle; **5)** DoorDash to Acquire Instacart to Help Local Stores Win; **6)** Neighborhood Intelligence Taps RELEX AI to Unify Forecasting and Replenishment Across Bed Bath & Beyond and Other Brands; **7)** Arrive AI and Rivo Collaborate on Autonomous Delivery Solutions for Golf & Luxury Hospitality; **8)** Walmart Approves 8 More Parcel Carriers for Seller-Fulfilled Shipping; **9)** FedEx and UPS Highlight Parcel Security, Risk Management Tools; **10)** Tractor Supply Opens

investors should be aware that the firm may have a conflict of

Research as only a single factor in making their investment decision.

**For analyst certification and other important disclosures, refer to the Disclosure Section, located at the end of this report.**

Idaho Distribution Center With Automation, Dedicated AI Team; **11)** Kroger Taps RFID, Computer Vision Data to Boost Inventory Management; **12)** Rivian Electric Van Spotted in Walmart+ Livery, Hinting at Potential Fleet Deal.

**Trucking / Logistics: October's trucking technology developments highlight accelerating commercial adoption of autonomous trucking, with new fleet commitments, expanding operating lanes and continued progress toward scalable driverless operations.** Aurora announced plans with Charger Logistics to **deploy up to 500 autonomous trucks**, while Kodiak reached an agreement with DTL Transport to deploy 75 autonomous trucks. **Kodiak also launched autonomous operations with Charger on the Dallas-Laredo corridor** and reported a 64-day consecutive uptime record for its autonomous driving system. Meanwhile, **Volvo Autonomous Solutions and Waabi launched their first commercial lane in Texas**, while Waabi separately began customer operations with Warrior Logistics. Einride expanded daily driverless freight operations in Ohio, and the FMCSA approved warning beacons for autonomous trucks, supporting broader commercial deployment. **On the technology side**, Bot Auto partnered with Lenovo and Nvidia to reduce autonomous trucking hardware costs to ~$50,000 per truck, while PlusAI continued advancing its planned $800mm SPAC transaction. Elsewhere, AI adoption is expanding across logistics workflows, with **C.H. Robinson introducing Lean AI capabilities across ocean, air freight and customs operations,** while ArcBest enhanced its digital shipping platform to improve shipment visibility and efficiency.

**Omnichannel / Delivery / Parcel: October's retail and parcel technology developments highlight continued investment in fulfillment automation, AI-enabled inventory management and faster, more flexible delivery options.** GXO expanded its partnership with Agility Robotics to accelerate humanoid robot deployments across U.S. operations, while Walmart opened a next-generation fulfillment center in California leveraging automation to improve processing efficiency and delivery speeds. **Walmart also announced plans to expand Wing drone delivery to Denver and Seattle** and added eight parcel carriers to its seller-fulfilled shipping network. **DoorDash announced plans to acquire Instacart for ~ $17bn, or $65 per share, in a deal expected to close by 1H28.** The transaction would create a scaled grocery and local-commerce platform, strengthening DASH's position in last-mile delivery/logistics and local commerce supply – see our Internet team's note for more. Elsewhere, **Arrive AI partnered with Modovolo to advance autonomous drone delivery** and with Rivo to explore automated delivery solutions in hospitality. **Retailers are increasingly deploying AI and automation to improve inventory visibility and supply chain efficiency**, with Bed Bath & Beyond's parent adopting RELEX AI for forecasting and replenishment, Tractor Supply opening an automated distribution center supported by a dedicated AI team, and Kroger leveraging RFID and computer vision to strengthen inventory management. **On the parcel side**, FedEx and UPS highlighted technology-enabled security and risk management tools, while a Rivian electric delivery van spotted in Walmart+ branding suggests potential expansion of Walmart's electric last-mile fleet.

*Our monthly TechTrack feature keeps tabs on recent key technology developments and disruptive trends in the Freight Transportation space and their investment implications. See our collection "**TechTrack**" for previous editions.*

# Trucking / Logistics Monthly Tech News Update

## Charger Logistics plans to buy 500 autonomous trucks using Aurora's tech

(October 26, 2026) The companies decided to expand their existing partnership and bring more trucks to the road in the next two years. Charger Logistics USA plans to purchase up to 500 tractors equipped with Aurora Innovation's driverless technology over the next few years, according to an Oct. 26 press release. The carrier intends to deploy the trucks on current and new high-volume routes near the U.S.-Mexico border and throughout the country, per the release. Truck deliveries are expected to occur between 2027 and 2028.

**Source:** https://www.truckingdive.com/news/charger-logistics-plans-to-buy-500-autonomous-trucks-using-auroras-tech/833898/

## Kodiak AI and DTL Transport reach historic agreement to deploy 75 driverless trucks as part of commercial Driver-As-A-Service rollout

(October 28, 2026) Kodiak AI, Inc. announced a historic agreement with DTL Transport Inc., ("DTL") a California long-haul freight company, to deploy the Kodiak Driver, Kodiak's autonomous driving system, in 75 driverless trucks owned and operated by DTL.This agreement marks the first-ever publicly announced definitive agreement by an interstate trucking company to operate driverless trucks within their own fleet as part of the Driver-As-A-Service business (DAAS) model. DTL will pay a per-mile fee for using the Kodiak Driver.

**Source:** https://investors.kodiak.ai/news-releases/news-release-details/kodiak-ai-and-dtl-transport-reach-historic-agreement-deploy-75

## Volvo Autonomous Solutions, Waabi launch first driverless lane in Texas

(October 22, 2026) Volvo Autonomous Solutions and tech partner Waabi have launched their first autonomous customer operation in Texas for freight forwarder Warp, according to an Oct. 5 press release. A Volvo truck equipped with Waabi's autonomous driving system and a human safety driver behind the wheel is actively transporting freight directly to third-party facilities between Dallas and Houston, per the release. The shipping lane's launch "creates opportunities to optimize freight flows and support more efficient movement of goods as demand grows," the press release said.

**Source:** https://www.truckingdive.com/news/volvo-autonomous-solutions-waabi-launch-first-driverless-lane-in-texas/832768/

## Kodiak AI, Charger Logistics launch autonomous Laredo lane

(October 09, 2026) Kodiak AI and Charger Logistics have launched autonomous freight service on the 435-mile lane between Charger's terminals in Dallas and Laredo, Texas, the companies announced Thursday. The trucks haul refrigerated and dry van freight for consumer packaged goods and food and beverage customers. The first delivery ran Sept. 8. A safety driver is behind the wheel for now. The companies plan to move the lane to driverless operations once Kodiak completes its safety case.

**Source:** https://www.freightwaves.com/news/kodiak-charger-autonomous-trucks-dallas-laredo

## Waabi, Warrior Logistics begin customer operations in Texas

(October 15, 2026) Warrior Logistics began moving freight on its Dallas-Houston lane on autonomous trucks equipped with Waabi's software and hardware in the second quarter, the companies said Oct. 14. The trucks are transporting food, beverages and consumer goods, among other freight categories. Coppell, Texas-based Warrior has a fleet of more than 200 trucks. Waabi's partnership with Warrior is the latest announced by the Toronto-headquartered company, following a less-than-truckload-focused partnership just over a week earlier with Warp Technology and Volvo Autonomous Solutions.

**Source:** https://www.ttnews.com/articles/waabi-warrior-texas-route

## FMCSA approves warning beacons for autonomous trucks

(October 15, 2026) Autonomous truck software developers and original equipment manufacturers received a boost in recent days from the Federal Motor Carrier Safety Administration, which OK'd the use of beacons rather than warning triangles for five years. The decision followed a years-long campaign from the software developers, particularly publicly traded Aurora Innovation, to obtain approval of an alternative to the triangles drivers must deploy behind trailers when pulled over on the side of the highway.

**Source:** https://www.ttnews.com/articles/fmcsa-beacons-autonomous-trucks

## Einride, EASE begin daily driverless freight runs in Ohio

(October 06, 2026) Einride and EASE Logistics said Tuesday that two cabless electric trucks are now in daily freight service between EASE warehouses in Marysville, Ohio. The SAE Level 4 trucks run scheduled routes across EASE property and local public roads with no one aboard. A remote operator monitors each one off-site. The go-live built upon an earlier proof of concept project that the two companies, DriveOhio and the Indiana Department of Transportation, announced in May. At the time, Peter Coratola Jr., founder, president and CEO of EASE Logistics, said deployments like this "help move autonomous trucking from controlled pilots into daily freight operations."

**Source:** https://www.freightwaves.com/news/einride-ease-daily-driverless-trucks-ohio

## Bot Auto taps Lenovo, Nvidia, pegs autonomy hardware at $50,000

(October 13, 2026) Bot Auto has picked Lenovo's AD1 autonomous-driving domain controller, built on Nvidia Hyperion, as the production computer for its Class 8 driverless

trucks. The Houston company announced the deal Tuesday. The AD1 goes into Bot Auto trucks starting in the first quarter of 2027. Bot Auto expects the full hardware bill of materials for its autonomy system, compute and sensors included, to run $50,000 per truck. That is three to eight times less than other systems, Bot Auto said. The comparison rests on "Self-Driving Truck ROI: Costs and Benefits Explained," a Heavy Duty Journal cost guide that puts a complete autonomous truck at $350,000 to $600,000, a range the company said implies $150,000 to $400,000 for the autonomy system alone.

**Source:** https://www.freightwaves.com/news/bot-auto-lenovo-ad1-nvidia-driverless-trucks

## PlusAI targets year-end close on $800M Texas Ventures SPAC

(October 01, 2026) PlusAI expects to close its merger with Texas Ventures Acquisition III Corp. by the end of the year, co-founder and CEO David Liu told FreightWaves. The deal, announced Sept. 3, values the autonomous trucking developer at an $800 million pre-money equity value. The transaction could bring PlusAI up to about $300 million. That total pairs more than $60 million in committed financing with a SPAC trust of about $236 million. Funds managed by Yorkville Advisors, the SPAC's financial backer, made a significant share of the commitment alongside new and existing investors.

**Source:** https://www.freightwaves.com/news/plusai-texas-ventures-spac-close

## Kodiak Driver Sets New Uptime Record By Running 64 Consecutive Days on an Unsupervised Driverless Truck

(October 20, 2026) Kodiak AI, Inc. announced that an unsupervised driverless truck equipped with the Kodiak Driver, the company's autonomous driving system, achieved a record 64 consecutive days of continuous uptime, never powering off or re-starting. Both the autonomy stack and truck were running and available for service in the company's industrial deployment in the Permian Basin in a streak that began June 30 and ended Sept 1, 2026.

**Source:** https://investors.kodiak.ai/news-releases/news-release-details/kodiak-driver-sets-new-uptime-record-running-64-consecutive-days

## Shipping tool ArcBest View enhances platform for visibility, efficiency

(October 14, 2026) ArcBest View, a free shipping tool to book and manage freight, underwent a series of enhancements to make the experience more u
transportation company, which includes LTL carrier ABF Freight, adc
make it simpler and more efficient following feedback from custome
Oct. 13 news release. The new features include an automated Nation
Classification capability. With that, shipment details help generate t
code and help support accuracy, ArcBest said.

**Source:** https://www.truckingdive.com/news/shipping-tool-arcbest-v



platform-for-visibility-efficiency/832857/

## C.H. Robinson Debuts Lean AI for Ocean Shipping, Air Freight, Customs

(October 26, 2026) As the global leader in Lean AI, C.H. Robinson has launched new AI agents that perform work in ocean shipping, air freight and customs brokerage. They represent an expansion of the company's Lean AI capabilities into freight forwarding, for the benefit of more customers, and into work so complex that a single shipping task can require over a dozen AI agents working in tandem. Continuing to disrupt itself and the industry, the company's new tech brings substantial speed-to-market gains, precision and agility to customers' supply chains without sacrificing human oversight or personal attention.

**Source:** https://investor.chrobinson.com/news/press-releases/news-details/2026/C-H--Robinson-Debuts-Lean-AI-for-Ocean-Shipping-Air-Freight-and-Customs/default.aspx

# Omnichannel / Delivery / Parcel: Monthly Tech News Update

## GXO and Agility Robotics expand partnership to accelerate deployment of humanoids in U.S. operations

(October 26, 2026) GXO Logistics, Inc., the world's largest pure-play contract logistics provider, and Agility Robotics, a leading humanoid robotics and physical AI company, today announced an expansion of their pioneering partnership to advance humanoid automation in logistics with deployments of Agility's Digit humanoid robot to GXO sites in North Carolina and Tennessee. The announcement builds on the companies' industry-first, multi-year agreement in 2024 to deploy Agility Robotics' Digit® humanoid robot in a live GXO warehouse environment in Flowery Branch, Georgia. The agreement was the industry's first formal commercial deployment of humanoid robots in live operations and the first Robots-as-a-Service (RaaS) agreement for humanoid robots. Since then, Digit has moved more than 100,000 totes at the Flowery Branch facility, demonstrating its ability to perform repetitive material-handling tasks reliably in an active logistics environment.

**Source:** https://www.globenewswire.com/news-release/2026/10/26/3387960/0/en/gxo-and-agility-robotics-expand-partnership-to-accelerate-deployment-of-humanoids-in-u-s-operations.html

## Arrive AI and Modovolo partner to advance autonomous drone delivery

(October 09, 2026) Arrive AI, a physical AI and autonomous logistics infrastructure company enabling drones, autonomous mobile robots (AMRs), autonomous vehicles (AVs), and human couriers to securely exchange goods, today announced a strategic partnership with Modovolo, maker of the modular Lift drone platform. Together, the two companies are developing an end-to-end autonomous delivery capability in which a drone flies itself to its destination and lowers a package directly into a secure, climate-assisted Arrive Point™, with no pilot required on the ground, no human hand in the loop, and no package left exposed on a doorstep. The joint effort combines Modovolo's flight platform, featuring modular payload pods, RTK localization, and long flight endurance, with Arrive AI's patented Arrive Point™ stations and Arrive OS software. The integration is designed to enable a repeatable, secure handoff from the sky into the Arrive Point™, supporting autonomous delivery of food, pharmacy orders, retail goods, and more.

**Source:** https://investors.arriveai.com/news-releases/news-release-details/arrive-ai-and-modovolo-partner-advance-autonomous-drone-delivery

## Walmart opens next-generation fulfillment center in Stockton, expanding faster delivery across the West Coast

(October 08, 2026) Walmart opened its fifth next-generation fulfillment center, a more than 900,000-square-foot facility in Stockton that will create more than 1,000 jobs and expand the retailer's ability to provide faster shipping and delivery to customers across California and the West Coast.The new facility represents the latest step in Walmart's transformation of its supply chain, bringing associates together with advanced

automation, technology and machine learning to move products faster and more efficiently. The technology enables Walmart to materially improve storage capacity and increase the number of customer orders the facility can fulfill each day compared with a traditional fulfillment center.

**Source:** https://corporate.walmart.com/news/2026/10/stockton-next-generation-fulfillment-center

## Walmart to expand Wing drone delivery to Denver, Seattle

(October 13, 2026) Walmart and Wing announced at the start of this year plans to scale drone delivery to an additional 150 Walmart locations over the course of this year - an expansion that underscores the potential the retailer sees for aerial delivery of groceries and other goods. The companies currently provide drone delivery in five U.S. markets and have a dozen additional markets slated for expansion. The addition of Denver and Seattle marks the latest development by Walmart and Wing to scale drone delivery coast to coast and to more than 270 Walmart stores in 2027.

**Source:** https://www.supplychaindive.com/news/walmart-to-expand-wing-drone-delivery-to-denver-seattle/832654/

## DoorDash to acquire Instacart to help local stores win

(October 29, 2026) DoorDash, Inc. (NASDAQ: DASH) and Maplebear Inc. (d.b.a. Instacart, NASDAQ: CART) today announced a definitive agreement under which DoorDash will acquire Instacart for a total value of $65.00 for each Instacart share, or an equity value of approximately $17 billion. The aggregate transaction consideration will be at least 75% cash, with Instacart stockholders able to elect cash, DoorDash stock, or a combination of both, subject to proration so that DoorDash stock does not exceed 25% of the aggregate consideration. Instacart's board of directors has unanimously approved the agreement.

**Source:** https://ir.doordash.com/news/news-details/2026/DoorDash-to-Acquire-Instacart-to-Help-Local-Stores-Win/default.aspx

## Neighborhood Intelligence to streamline supply chain and merchandise planning with RELEX

(October 08, 2026) RELEX Solutions today announced that Neighborhood Intelligence, the company behind retail brands including Bed Bath & Beyond, The Container Store, Kirkland's, buybuy BABY, and Overstock, has selected RELEX to unify supply chain planning across their store and distribution network. The retailers will implement forecasting, replenishment, and allocation capabilities alongside merchandise financial planning (MFP), open-to-buy (OTB), and RELEX Diagnostics. Neighborhood Intelligence is the holding company of the omni-channel retailers based in Nashville, Tennessee, offering an array of products and services across home furnishings, household goods, and baby

gear. They operate more than 335 stores and multiple online brands across North America.

**Source:** https://www.relexsolutions.com/news/neighborhood-intelligence-to-streamline-supply-chain-and-merchandise-planning-with-relex/

## Arrive AI and Rivo collaborate on autonomous delivery solutions for Golf & Luxury Hospitality

(October 13, 2026) Arrive AI, a physical AI and autonomous logistics infrastructure company enabling drones, robots, autonomous mobile robots (AMRs), autonomous vehicles (AVs), and human couriers to securely exchange goods, today announced a collaboration with Rivo, an autonomous solutions platform for luxury hospitality, to integrate Arrive Points™ into Rivo's autonomous delivery ecosystem. Arrive AI and Rivo are evaluating how secure, autonomous delivery of food, beverages, merchandise, and other items can be deployed across large hospitality properties. The collaboration is initially focused on golf, where Rivo is operating a proof-of-concept program at a golf property in Palm Beach, Florida.

**Source:** https://investors.arriveai.com/news-releases/news-release-details/arrive-ai-and-rivo-collaborate-autonomous-delivery-solutions

## Walmart approves 8 more parcel carriers for seller-fulfilled shipping

(October 19, 2026) Sellers on Walmart's online marketplace are now allowed to use eight additional parcel carriers for orders they fulfill themselves, the retail giant announced Oct. 13. Walmart Marketplace's approved carrier list for seller-fulfilled orders now includes UniUni, SpeedX, Exelot, SwiftX, TForce Final Mile, Gofo, OSM Worldwide, and DoorDash, according to the announcement. Metropolitan Warehouse & Delivery is available for freight shipments, as well. The additions give Walmart sellers a wider array of parcel delivery options amid growing interest in alternative carriers outside of FedEx, UPS and the U.S. Postal Service. Lesser-known delivery providers are working to attract more shippers through competitive rates, technological advancements, new features and expanded coverage areas.

**Source:** https://www.supplychaindive.com/news/walmart-approves-8-more-parcel-carriers-for-seller-fulfilled-shipping/833259/

## FedEx and UPS highlight parcel security, risk management tools

(October 02, 2026) FedEx and United Parcel Service last month introduced new shipping security features aimed at protecting companies, especially e-commerce merchants, from fraud, theft, and other supply chain risks. UPS on Wednesday promoted the launch of UPS Secure Commerce, a suite of risk-management services that essentially repackages in one place pre-existing insurance, order visibility and technology products now supplemented by agentic AI agents.

**Source:** https://www.freightwaves.com/news/fedex-and-ups-highlight-parcel-security-risk-management-tools

## Tractor Supply opens Idaho distribution center with automation, dedicated AI team

(October 7, 2026) Tractor Supply has opened its 11th distribution center, a 865,000-square-foot facility in Nampa, Idaho, the retailer announced in a Sept. 23 news release. The facility, which began receiving inventory in August, will commence outbound shipping this month. The site will distribute products to 123 stores in nine states in its first year, but it can scale to serve more than 200 stores at full operational capacity, per the release. The site — a more than $200 million investment — features 80 truck docks and has additional acreage available for future expansion. The facility is expected to create 500 full-time jobs and have a dedicated AI innovation team, which will work "to apply practical artificial intelligence to operational needs," the release said.

**Source:** https://www.supplychaindive.com/news/tractor-supply-opens-idaho-distribution-center-with-automation-dedicated-a/831883/

## Kroger taps RFID, computer vision data to boost inventory management

(October 27, 2026) Kroger is leveraging radio-frequency identification and digital shelf labels alongside robotics and artificial intelligence to improve inventory flow, freshness and availability, according to an Oct. 20 analyst and investor day conference. The grocery chain is specifically sharing computer vision data with its supplier partners to improve on-shelf availability and boost sales while piloting radio-frequency identification, or RFID, in its bakery division across roughly 1,500 stores, EVP and Chief Store Operations Officer Mark Ibbotson told analysts.

**Source:** https://www.supplychaindive.com/news/kroger-taps-rfid-computer-vision-data-to-boost-inventory-management/872819/

## Rivian electric van spotted in Walmart+ livery, hinting at a fleet deal

(October 27, 2026) A Rivian electric delivery van wrapped in Walmart+ branding was photographed on a car hauler on I-94 in northwest Indiana today. It's the first public sign that Walmart could become Rivian's next big van customer after Amazon. Neither company has announced a deal. But Walmart's last two electric van suppliers are out of the business, and Rivian is one of the few companies still building a purpose-built electric delivery van in the US.

**Note**: As indicated by the source, neither company has announced a deal. We also are unaware of any potential agreement.

**Source:** https://electrek.co/2026/10/27/rivian-electric-van-walmart-plus-livery-spotted/