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Dane Technologies, AMR Leader, Introduces Autonomous Inventory Robot (AiR DC) for Sub-Zero Temperatures

Dane AiR™ DC Robot Freezer Package will revolutionize operations for food manufacturers and distributors, offering autonomous activity rated for down to -10 degree temperatures

[Dane Technologies](#), a global leader in autonomous mobile robots and power assist solutions for various industries, today at [Manifest 2026](#) announced the widespread availability of its Freezer Package for the Dane AiR™ DC. This industry leading capability enables the Dane AiR DC autonomous robot to operate in freezers down to 10 degrees below 0 Fahrenheit. Powered by BrainOS®, Dane AiR DC combines autonomous navigation, intelligent scanning and real-time analytics to automate inventory management for retailers and warehouses.

Rated to 10 degrees below zero, the Dane AiR DC Freezer Package will revolutionize how 3PLs, retailers, and manufacturers conduct inventory operations within their sub-zero freezers. Rather than requiring employees to wear heavy and cumbersome specialized gear to enter dangerous temperatures in spaces often exceeding 100,000 sq feet to scan, identify and count products, the autonomous robots will perform these activities. This frees warehouse staff to improve productivity, focusing on more desirable tasks and improving staff overall comfort and safety.

The Dane AiR DC Freezer Package is currently available in the market and is being deployed with a major United States food distributor with over 80 locations across the country.

“Cold chain operations have long forced companies to choose between efficiency, safety, and accuracy,” said Dan Johnson, CEO of Dane Technologies. “Operating freezers at scale requires reliable systems minimizing time spent by people in sub-zero environments. Our autonomous robots perform critical inventory tasks enabling customers to gain consistent, actionable visibility while reducing risk.”

Key benefits include:



- Integrated heating elements in LiDAR sensors that enable reliable autonomous navigation in freezer environments
- Condensation prevention when transitioning between freezer and ambient environments, ensuring no interruption of operations
- Always-warm LiDAR systems that maintain consistent performance and accuracy in extreme cold conditions
- Heated barcode scanners designed to deliver dependable scanning performance
- Electrical components tested and protected with conformal coating, shielding circuits from moisture, condensation and drastic temperature shifts

Dane Technologies will showcase the technology at Manifest 2026 with the AiR DC on display in the event's Cold Chain Experience.

To learn more about Dane Technologies, visit <https://danetechnologies.com/>

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About Dane Technologies

Dane Technologies was founded in 1996 to help retailers address the safety and productivity challenges in their workplace. Dane's first solution automated the process of returning shopping carts to retail stores, delivering dramatically increased efficiency and reducing the risk of injury. Working together with their clients, Dane Technologies has grown from that single product to become one of the most trusted names in ergonomic solutions – serving clients in retail, manufacturing, distribution, transportation, and healthcare environments around the world. <https://danetechnologies.com/>

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