AUTOMATING INVENTORY TASKS AND REDUCING LABOR COSTS

FOR A **LEADING OMNICHANNEL TILE RETAILER** WITH THE DANE AIR™ DC POWERED BY BRAINOS®

PROJECT SNAPSHOTS

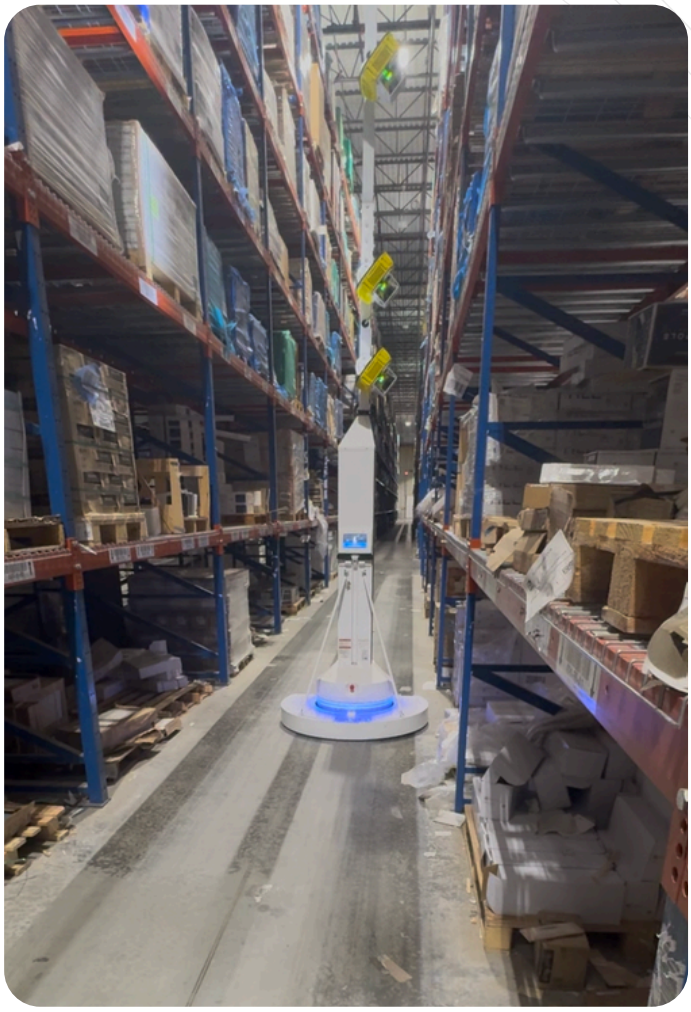
Client: A leading online and omnichannel tile designer, distributor, and retailer

Industry: Online and Showroom Retailer

Location: New Jersey

Primary Challenge: Manual inventory validation consumed hundreds of labor hours, while misplaced pallets led to costly, long-term write-offs.

Dane Solutions Deployed: Dane AiR™ DC robot / Dane AirViewer software powered by BrainOS®



CLIENT OVERVIEW

This leading omnichannel tile retailer and showroom specializes in design-forward tiles and stone for kitchens, bathrooms, and commercial spaces.

Offering over 6,000 styles of porcelain, ceramic, glass, and natural stone, the company is widely recognized for its sample programs, designer collaborations, and curated collections.

Copyright ©2026 Dane Technologies. All rights reserved.

THE CHALLENGE

Associates at the leading omnichannel tile retailer's NJ distribution center were spending hundreds of hours every month manually validating pallet locations.

Because these manual validations could only be performed infrequently, misplaced pallets often remained lost for weeks at a time, causing expensive write-offs. Leaders at the facility observed that warehouse associates had spent hundreds of hours tracking down lost pallets.

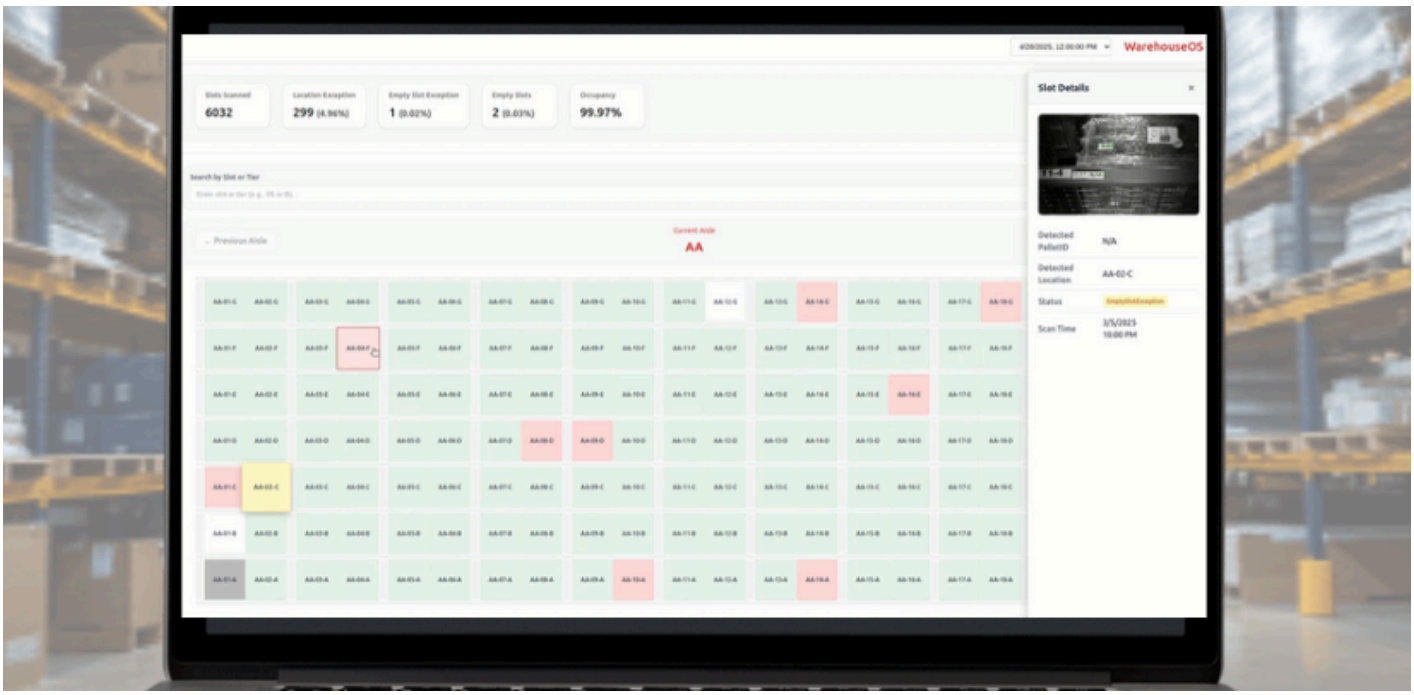
THE DANE TECHNOLOGIES SOLUTION

By automating the cycle counting process and significantly increasing scan frequency, the Dane AiR™ DC powered by BrainOS® dramatically reduced inventory validation labor hours and inventory write-off costs.

Cycle Counting Labor Reduction: Previously, validating the entire warehouse required multiple associates and took ~70 hours per week. The Dane AiR™ DC completes the same task **in less than six hours**.

Reduction in Pallet Recovery Labor: Before implementing the Dane AiR™ DC, finding a lost or misplaced pallet took associates an average of 10 hours, resulting in considerable labor costs.

Inventory Restoration: The Dane AiR™ DC enabled the leading distributor's associates to quickly locate and recover misplaced inventory. As a result, the facility achieved over **$1M in inventory restoration** in just six months.



Copyright ©2026 Dane Technologies. All rights reserved.

THE IMPACT

The cycle counting labor savings and inventory restoration generated by the Dane AiR™ DC powered by BrainOS® delivered immense total cost savings for the leading omnichannel tile retailer. Key results include:

$1M+

Restored Inventory:
ROI milestone achieved during first six months of deployment.

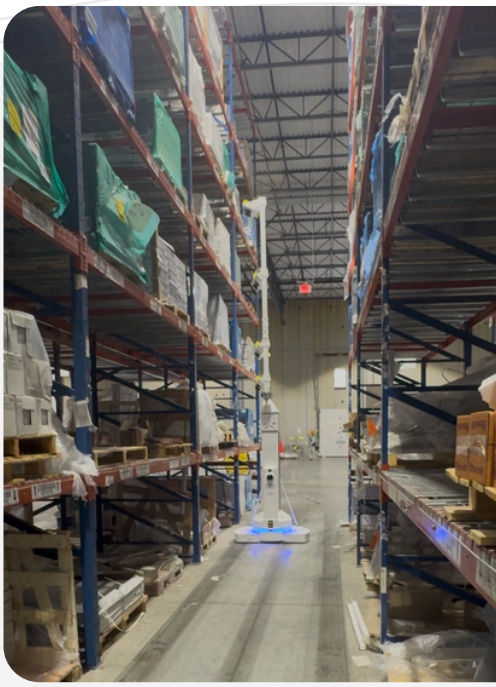
91%

Reduction in Scan Time:
Automated cycle counting dropped from 70 hours per week to under six hours.

Rapid ROI Achieved: Combined savings generated a full return on investment in under one year.

> Deploying the Dane AiR™ DC powered by BrainOS® was a game-changer for our distribution center operations. It virtually eliminated the hundreds of hours our associates used to spend hunting down lost pallets and allowed us to quickly recover over a million dollars in misplaced inventory. The system paid for itself faster than we ever anticipated, letting our team focus on fulfilling orders instead of cycle counting.

DIRECTOR OF WAREHOUSE OPERATIONS
LEADING OMNICHANNEL TILE RETAILER



DANE TECHNOLOGIES

brain corp

LEARN MORE

+1 (888) 544-7779
sales@danetechnologies.com
danetechnologies.com