ATTABOTICS

CASE STUDY · SECURE ASRS FOR DEFENSE LOGISTICS

Marine Force Storage Command

The DoD cut warehouse labor by 61% and moved gear from dock to storage in under an hour.

The U.S. Department of Defense set out to modernize supply chain management across five military test sites, with a focus on Marine Corps Logistics Base Albany, Georgia.



61%
LABOR REDUCTION, 23 TO 9 PEOPLE

75%
INCREASE IN STORAGE CAPACITY

98.6%
AUDIT ACCURACY

80X
THROUGHPUT VELOCITY, DOCK TO STORAGE

The Challenge

Above all, the DoD needed secure communication of sensitive information. It also needed exact inventory knowledge: where each piece of equipment sits, its condition and how to reach it quickly. It wanted to use the warehouse's full cubic volume, and it needed an air-gapped system to better protect sensitive data in transit.

The Solution

The DoD worked with Attabotics on a system covering identification, recording, organization, storage, retrieval and inventory control of materials and supplies. Attabotics' high-bandwidth 3D robots support maximum wireless security, which let the DoD develop and test autonomous robotic inventory management and virtual reality tools for its workforce. A 67 x 50 x 17 ft system with 5 robots replaced the previous aisle-and-rack layout. The DoD chose Attabotics over other AS/RS providers for its storage density.

The Result

The DoD now runs a scalable, repeatable system. Labor fell 61%, from 23 people to 9 across the warehouse, and storage capacity rose 75%. Gear moves from dock to storage in under 0.6 hours instead of 3 to 5 days, an 80X gain in throughput velocity. Audit accuracy rose to 98.6% and continues to improve. Manual tasks such as retrieving items from shelves take 93% less time, and cycle counts are close to instant.

INDUSTRY
Defense Logistics

LOCATION
Albany, Georgia, US

DURATION
Partners since 2020

SYSTEM
67.0 x 50.3 x 17 ft structure (20.4 x 15.3 x 5.2 m), 5 robots

WATCH
Video by U.S. Marine Corps Logistics Command
youtu.be/NO3AsO5M6lE

> *Attabotics is the world's only fully accredited ASRS automation provider for the U.S. Department of Defense, meeting all data security and secure communication protocol requirements.*

DEFENSE ACCREDITATION