

Automated Stores Handling & Retrieval System

CAPABILITY SHEET - RACKING, STACKER CRANES, SHUTTLES & INVENTORY MANAGEMENT

THE ONE IDEA

A DEPOT IS A PROMISE	The right item, today. Storing was never the hard part - finding and reaching are, at scale, years later, without error.
REPLACE THE SEARCH WITH AN ADDRESS	An address becomes a property of the item rather than a fact in someone's head. The machine goes to the place; the record is written by the movement.
THE QUIET FAILURE	Large manual stores do not break. They drift: items in the nearest free space, hour-long searches, a ledger that disagrees with the shelf until neither is trusted.

THE SYSTEM

UNIT LOAD FIRST	Pallet, bin, tray or crate - the thing that actually moves. It sets rack pitch, machine reach, transfer height and software rules. Get it wrong and everything inherits it.
RACK, MACHINE, TRANSFER	Structural racking to the machine's tolerance; a stacker crane, rack shuttles or vertical lift modules; conveyors and pick stations where the load meets the person.
IDENTITY & MANAGEMENT	Barcode or radio identity read at every handover, and a management layer holding every address, enforcing storage rules and interfacing the existing stock system.

THE HARD PART

A LIVE DEPOT CANNOT STOP	The change is phased aisle by aisle with issue and receipt running throughout - planning done before steel is ordered, and the usual reason such projects disappoint.
DATA BEFORE MACHINERY	An automated store executes the record faithfully, including its errors. An inventory-management upgrade alone is often the right first step.
PLAN FOR THE FAILURE	Manual recovery for every position, partitioning so one aisle down is not the store down, and maintainability designed rather than improvised.

HONEST SCOPE & ENGAGEMENT

OURS	Survey and unit load, layout and flow, racking and structure, drives and controls, conveyors and pick stations, safety, system interfaces, migration, commissioning, training.
BOUGHT-IN	The storage-and-retrieval machines and the management software, from specialists. We take responsibility for the system they become.
ENGAGEMENT	Tell us the holding, the building, and how fast it must be found, at sales@neometrixgroup.com .

DEFENCE PROGRAMMES DESK

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