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BOXBAY a flexible, modular and disruptive yard storage solution

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BOXBAY IS THE IKEA SHELF FOR CONTAINERS



High Storage Density

- > 500.000 moves since 2021
- > 10.000 MMBF
- 800 container slots
- 230 m x 26 m (L x W)



The future is vertical

HOW TO CONNECT BOXBAY WITH AN ATTACHED LOGISTICS CENTER

....alternative use of existing space



FINAL ROLLOUT OF BOXBAY IN DUBAI



High Throughput Performance

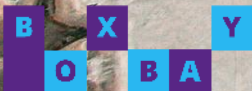


Throughput: 3.3 MTEU/a

ROLLOUT DIMENSIONS

- 637 x 234 m
- 11 Stories
- Capacity 45,925 TEU
- 25 aisles, 50 stacker cranes
- 12 truck cranes
- Automation + WMS

AROUND 500 WATERSIDE AND 300 LANDSIDE MOVES/H AT THE SAME TIME

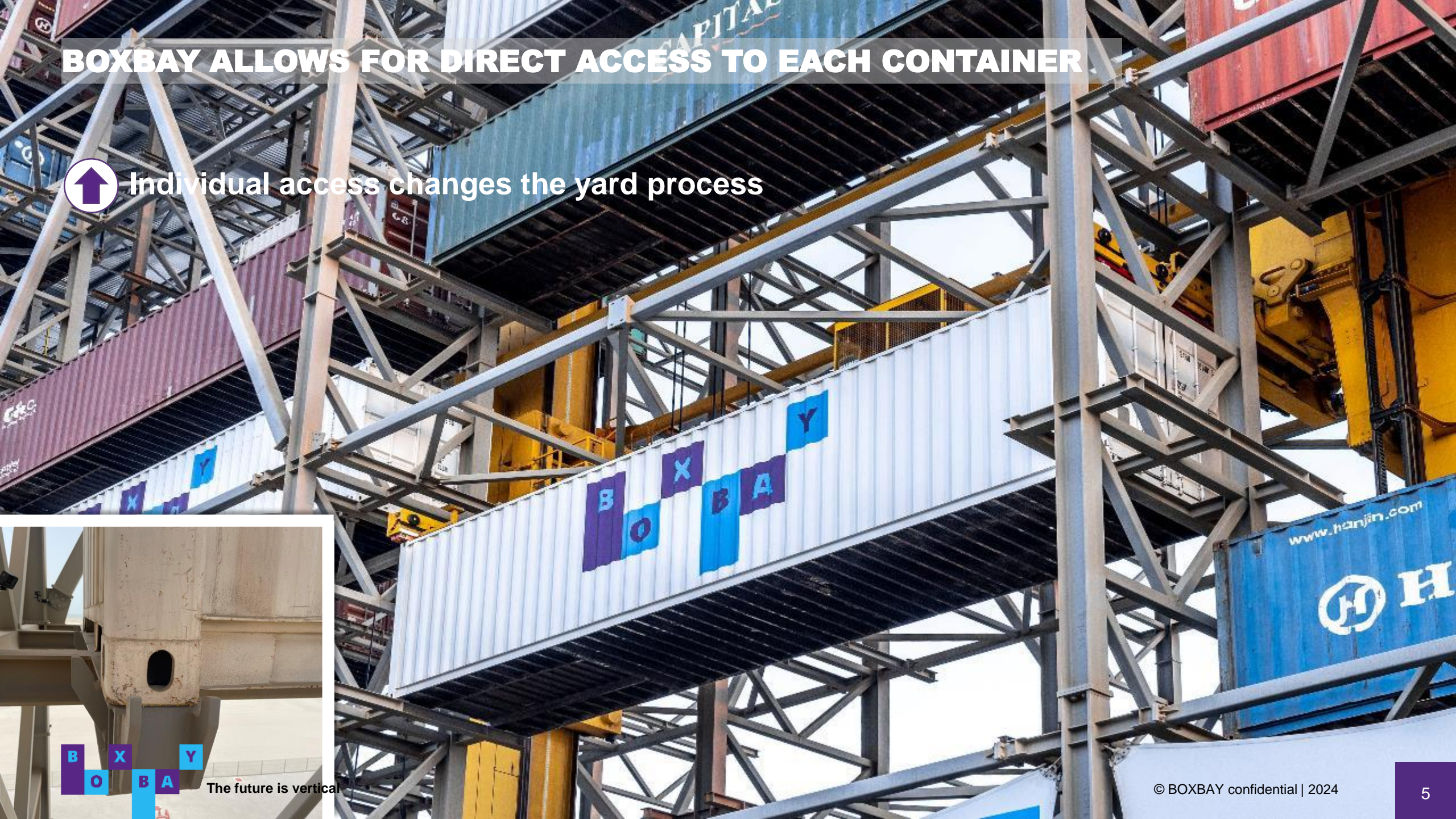


The future is vertical

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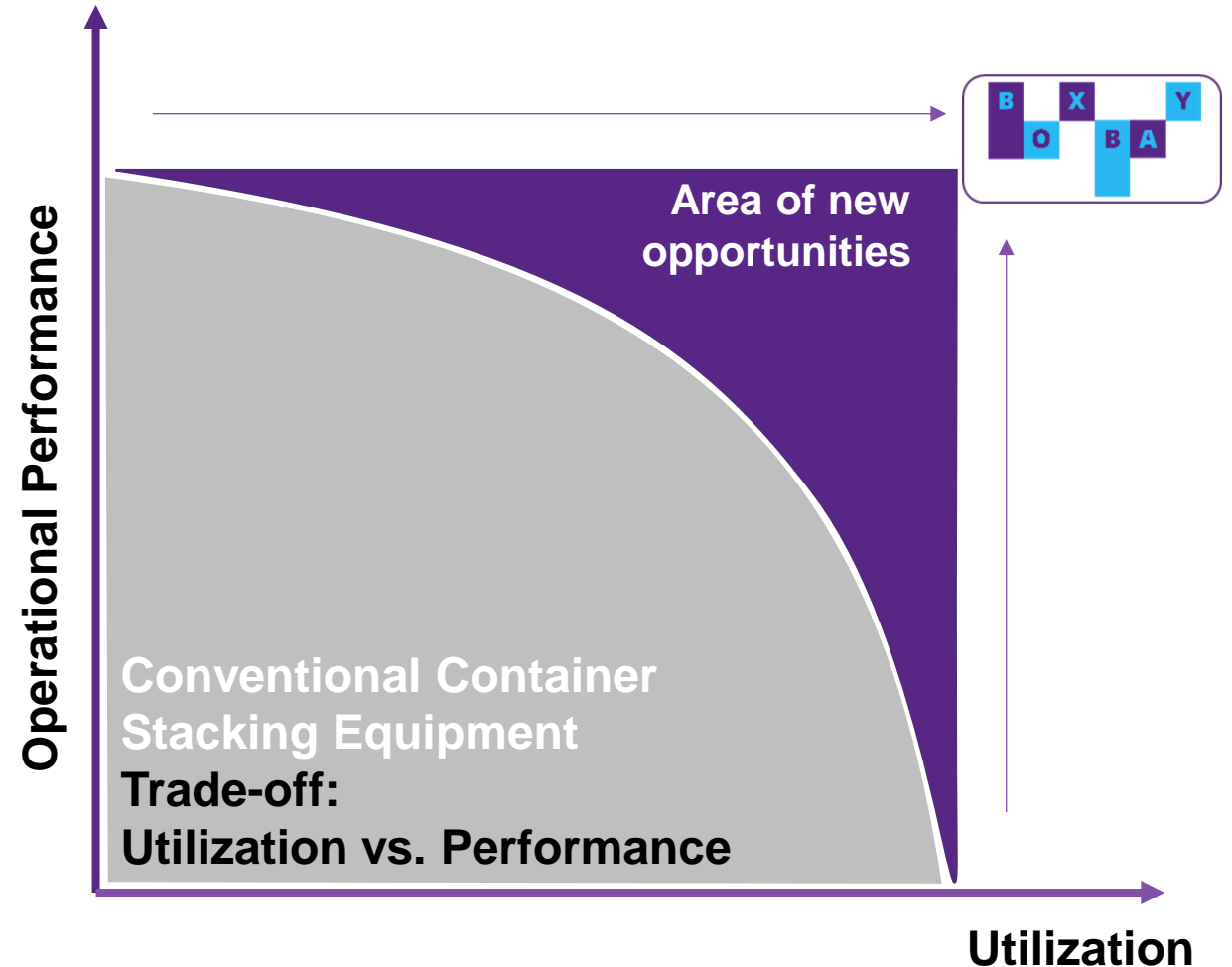
BOXBAY ALLOWS FOR DIRECT ACCESS TO EACH CONTAINER

↑ Individual access changes the yard process



HIGH BERTH AND YARD PRODUCTIVITY

- Each container is stored in an individual rack compartment; **direct access at any time**
- **Elimination of all unproductive moves**
- **No shuffling or housekeeping**
(vs. 30-60 % in conventional yards)
- **Less OPEX & less maintenance cost**
- **100 % utilization** is possible
(vs. max. 70-80 % in conventional yards)
- **Performance is independent from utilization**
- **Processes are deterministic and predictable**



SIMPLE YARD CONTROL DRIVES CUSTOMER FOCUSED OPERATION

- **BOXBAY** acts as a **single buffer** for the yard
- **No yard planning**, yard decking or yard assignment strategy
- **COD/COV** or **cargo re-nomination** does not trigger relocation
- **Smaller control team** needed
- **Planning task** that call for AI solutions **not there anymore**

- **Improved performance** of connecting equipment due to 100% predictability
- Greatly **improved** truck and vessel **turn-time**
- **Dual cycle** with ITV/AGV **easy**, import and export full & empty are mixed

- **Yard** always land & waterside (ULCS) **peak performance ready**



BOXBAY APPLICATIONS

DEEP-SEA TERMINAL



RAIL-ROAD TERMINAL



EMPTY SUPERSTACK

