

BOXBAY FACTSHEET

PARTNERSHIP

- Joint venture formed by DP World and German SMS group, established in Dubai
- AMOVA, a subsidiary of the SMS group, is a specialist in heavy-duty high-bay warehouses for steel industry

KEY FACTS

- 11-stories high rack
- Up to 36-ton container weight
- 100% container accessibility
- 0% re-shuffling
- 300% more throughput per hectare compared to an RTG yard



SUSTAINABLE

- Small terminal footprint
- Outstanding sustainability
- All equipment electrical driven with power regeneration
- Only container yard where solar power plant can be installed on roof
- High energy efficiency and minimised CO² footprint
- Solving spatial constraints in urban environment, less noise, light, green wall



STRUCTURE (HIGH BAY RACK)

- Height up to 11 tiers
- All high-cube compartments
- Container sizes: 45' / 40' / 20'
- HC / Pallet wide / Open Top
- Dry / Reefer / Empties
- 45' compartments also used by 40'
- Weight optimised rack structure design



TECHNOLOGY

- High Bay Systems (HBS) – a disruptive technology that significantly improves operations at container terminals
- Massive space savings
- Operational efficiency, no re-shuffling
- ULCS (Ultra Large Container Ship) Readiness
- Optimisation of CAPEX and OPEX
- Staff health, safety and environment
- Faster and economic



HBS SIMULATION

- The HBS basic layout is able to perform around 500 waterside moves and around 300 landside moves per hour, totaling close to 800 productive moves per hour

STAKEHOLDERS

• SMS Group and AMOVA

• DP World

IMAGES/VIDEOS:



FOR MORE INFORMATION, CONTACT:

Ronald Van Der Meer
Senior Manager – Automation
Global Engineering

Patrick Bol
Head- Port Expansions and Special Projects