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EMISSIONS
The future is NOW
Long Beach
Container
Terminal
COSCO SHIPPING
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COSCO SHIPPING AQUARIUS
HONG KONG
LBCT

Terminal Particulars

- 304 acres, or 123 hectares
- Annual throughput capacity 3.3 MTEU
- Three large berths – 4250’, or 1,295m of total wharfline
- 76’/23m channel draft – 60’/17.76m alongside
- Storage capacity 73,000 TEU
- Intermodal – 48,000’ or 14,631m of track, maximizing LBCT on-dock rail capacity.
- Two gate complexes (28 in lanes/17 out lanes)
- 2250 grounded reefer plugs
- Cutting Edge Operating Systems - Navis N4, TEAMS, ABB

Long Beach Container Terminal

EQUIPMENT:

18 ALL ELECTRIC SHIP TO SHORE DUAL HOIST GANTRY CRANES: LARGEST IN NORTH AMERICA & SUFFICIENT FOR VESSELS 26 CONTAINERS WIDE

70 AUTOMATED STACKING CRANES (ASC)

6 INTERMODAL RAIL-MOUNTED GANTRY CRANES (RMG)

102 AUTOMATED GUIDED VEHICLES (AGV)

CUTTING EDGE CONTAINER HANDLING SOFTWARE

LBCT's Top Digital Needs

- Yard Decking and Utilization
- Appointment Management
- Maintenance and Repair
- API's to interface with trucking companies and BCO's
- Cyber

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Key Decisions on Tools

- Tools cannot impact performance of production systems
- Tools which can analyze complex data
- Tools enhance the workforce, not replace the workforce
- Tool output results must be explainable
- Can the tool be developed in house or purchased from a 3rd party

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Success Stories and Current Projects

Success Stories

- Development of API's
- Development of Appointment System
- High utilization of emulations
- High utilization of Splunk
- Cyber tools which use AI

Current Projects

- Avlino to enhance appointments and yard
- Creating a digital twin of data in the cloud

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