

PANDEMIC IMPACT TO CONTAINER PORT - CARGO HANDLING

Supply Chain Disruption - Cause and Effects

Root Cause

- Lockdown drastically reduced manufacturing output in Asia in first 6 months of pandemic
- Covid cases and new working practices slows working productivity further
- H2' 2020 onwards, Supply chain ill-prepared for unexpected demand surge as China quickly gets on top of virus and ramps up manufacturing capacity
- Accidents (Suez Canal blockage), Covid outbreaks in ports
- Extreme weather events compound problems



Challenges

- Reduced port productivity (long queues of ships waiting outside ports, slower ship turnaround when finally berthed)
- Disrupted sailing schedules, pocked by port omissions (blank sailings/ vessel slides) and blown ETAs
- Overworked ship crew faced huge challenges transferring due to Covid restrictions
- Shortages of warehousing, storage, trucking capacity and labour
- Extended container equipment turnaround times and reduced availability

2 YEARS INTO PANDEMIC - UNCERTAINTIES CONTINUE

Extended Recovery Timeline to end of 2022



Continuation of Possible Global Supply Chain Disruptions

- China's 'Zero Covid' Policy Creates New Supply Chain Worries
 - China's key priority was to limit spread of Covid during Winter Olympics
 - Occasional port closure which caused congestion and subsequent delays
 - Shanghai recorded an 86% increase year-over-year in blank sailings

(Source: CNBC, 26th Jan 2022)

Russian invasion of Ukraine could hit supply chains

(Source: CNBC, 23rd Feb 2022)

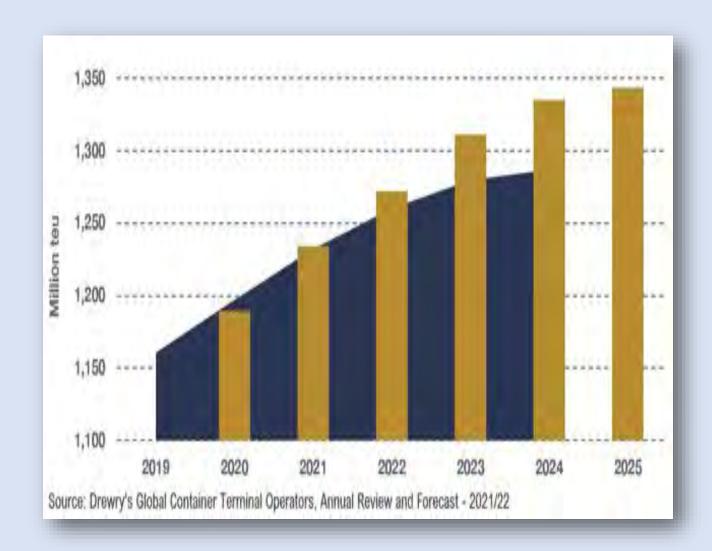
DEMAND & CAPACITY OUTLOOK INDICATES RISING UTILISATION

Anticipated mismatch between supply and demand - Port Capacity Risk

GLOBAL OUTLOOK

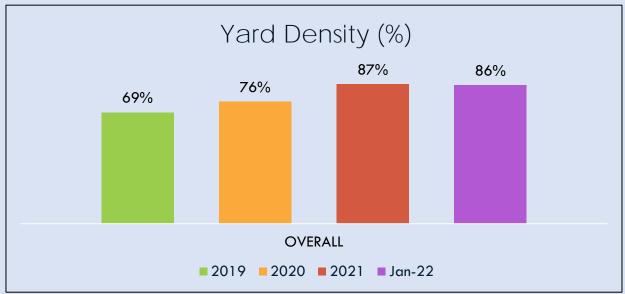
- Global Demand to increase 5% per annum until 2025
- Global Capacity to increase 2.5% per annum until 2025 to 1.34 Billion TEUs
- Global Port Capacity Utilisation will increase from 67% to 75%

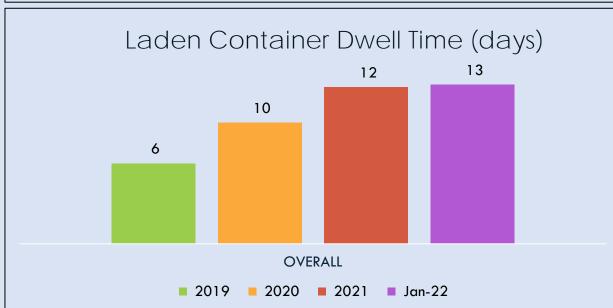
(Source: Drewry Report, Q4'2021)



YARD DENSITY PRE AND POST PANDEMIC

How it has affected Handling Capacity



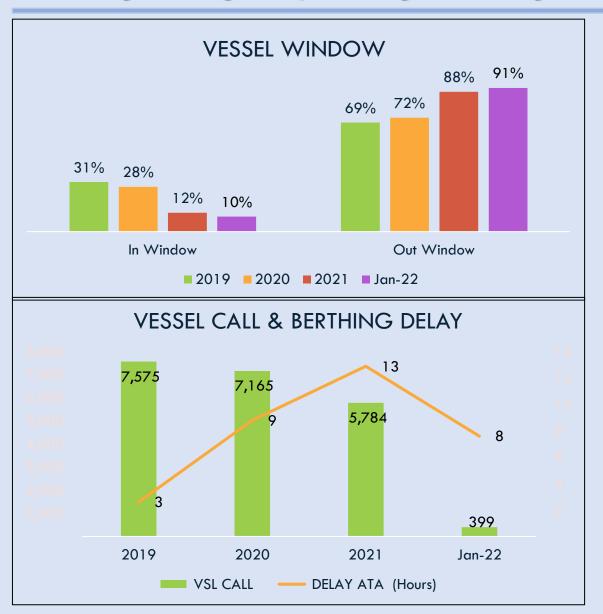


Implications of Global Disruptions To Westports

- Global Port Congestion
 - 85% of vessels arrive out of window
- High Yard Density & Increased Dwell Days
 - Schedule recovery by port omissions which increased TS activities in WP and contributed to higher yard density
 - Increase in dwell days of TS laden containers due to port closure / service disruptions
 - Delay in Import pick up due to lockdown, resulting in long staying containers
- Restow
 - Higher restows as Lines repositioned empties to the Far East

CONTAINER TERMINAL'S CONGESTION

Increasing Berthing Delay Causing Yard Congestion



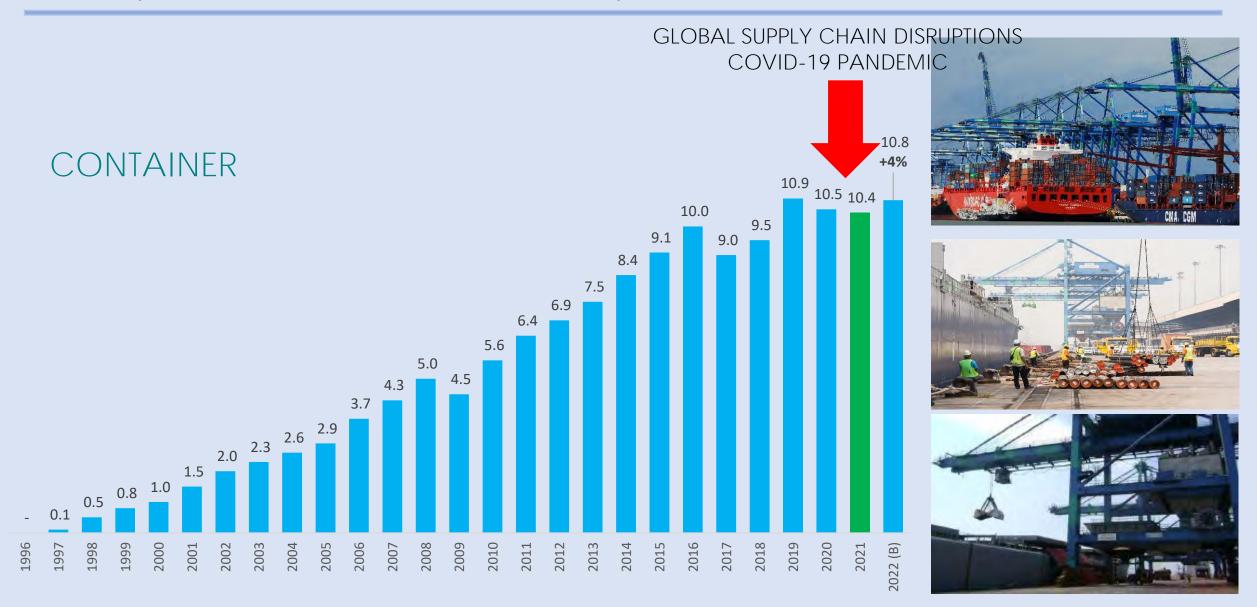
IMPACT TO WESTPORTS

- Yard Density Reaching 100%
- Terminal Utilisation Levels Rising
- Berthing Delay rising
- Congestion remain a key risk to Sector's Performance



FUTURE OUTLOOK IN WESTPORTS

Volume Impacted in 2020 and 2021 due to Pandemic, expected to recover in 2022



YARD EXPANSION — Additional total ground slots ("TGS") completed in Q4 2021

EXISTING MAERSK MAER

TGS

46,922 Pre-Pandemic

- Pre- pandemic, WP was operating at a 72% utilization rate
- During Covid-19 pandemic, proactively invested to add CAPACITY



4,201

Completed in Q4 2020

1,332 Completed in Q4 2021



TOTAL

52,455

STRENGTH OF WP - Before Covid19 pandemic

DEEPEST DRAFT



HANDLING CAPACITY



SHIP-TO-SHORE CRANES



Quay Cranes 1996 - 9 cranes

CONTAINER BERTHS



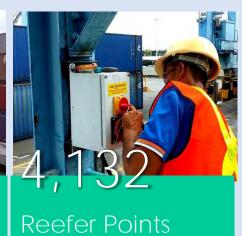
V Kilometer 1996 – 600 meters

EQUIPMENTS











PURCHASE OF ADDITIONAL EQUIPMENT TO COPE WITH CONGESTION

TOEs	DELIVERY SCHEDULE	NO OF FLEETS AFTER FULL DELIVERY
Quay Cranes	Additional 8 units to be delivered (Incl dismantling 7 units and replace by 6 units): Q1'22 - 2 units Q3'22 - (7 units) dismantling Q4'22 - 6 units	65 (Current) + 2 (Q1'22) – 7 (Q3'22 dismantling) + 6 (Q4'22) = 66 1 2%
RTGs	Additional 21 units to be delivered: Q4'21 - 3 units Q1'22 - 9 units Q2'22 - 9 units	197 (Current) + 21 (New delivery) = 218 16%
Terminal Tractors	Additional 100 units to be delivered (Incl 95 units of replacement): Q1'22 - 100 units	601 (Current) - 95 (Replacement) + 100 (New units) = 606 1 1%
Stackers	Additional 10 units to be delivered (Incl 8 units of replacement): Q1'22 - 6 units (4 replacement) Q4'22 - 4 units (4 replacement)	27 (Current) - 8 (Replacement) + 10 (New units) = 29 1 7%

ARRIVAL OF NEW CRANES & RTGs



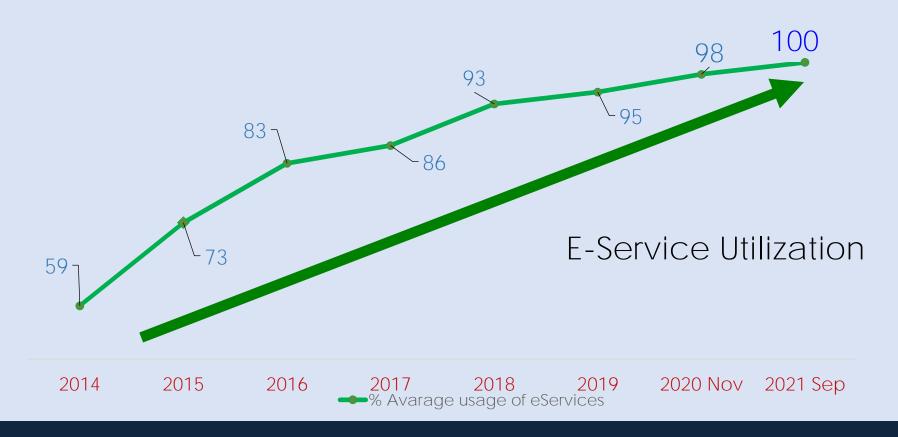






DIGITALISATION IS KEY TO INCREASE PORT PRODUCTIVITY

Moving Towards Digitalization & Reducing Paper Usage Through eGate Pass, Export's Auto Clearance & eSSR from 2014



- Improved Data flow can materially reduce the time taken for containers to transit the port
- Neutral platforms will enable information sharing across the wider and global supply chain
- Next in Line –
 Blockchain platforms
- 100% Online / Electronic Services since 1st Sept 2021
- Call Centre Support: 0800 hours to 2359 hours

WESTPORTS LAUNCHES WORLD'S FIRST WIRELESS REMOTE P-CHECK SYSTEM

- World 1st fully wireless concept Remote Physical Check Operation.
- 100% in-house software development.

R & D + POC MID 2019

LIVE 2020 OCR POC 2021 **BENEFITS**

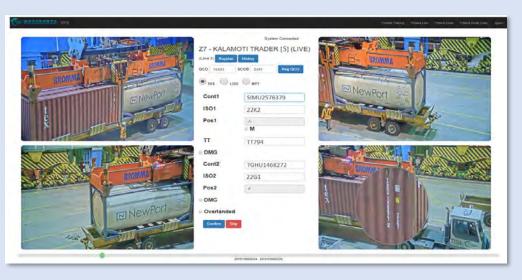
IMPROVE SAFETY & HEALTH

1 STAFF TO 4 CRANES

HISTORICAL IMAGES

OPERATOR DIGITALIZATION





REMOTE GATE SYSTEM ("RGS") - LIVE ON 5/4/2021



New Application for gate In and Out

CCTV Integration

Remote Kiosk Health Check Monitoring Application

DIGITALIZE REEFER MONITORING SYSTEM - Ongoing Digitalization Initiatives

- > PROVIDE ACCURATE CONNECT & DISCONNECT TIMES.
- > INFORMATION IS ELECTRONICALLY STORED
- > REAL TIME MONITORING
- AUTO ALERT WHENEVER UNIT DETECTED MALFUNCTION.

- > REMOTE TEMPERATURE CHANGE
- > INTEGRATION WITH TOS AND ERP
- > REDUCE PHYSICAL MOVEMENT & IMPROVE SAFETY IN REEFER BLOCK





PROJECTS UNDER IMPLEMENTATION



DIGITALIZATION

ERP

INVENTORY MANAGEMENT SYSTEM



FUEL MANAGEMENT SYSTEM





E-LOGISTICS SYSTEM

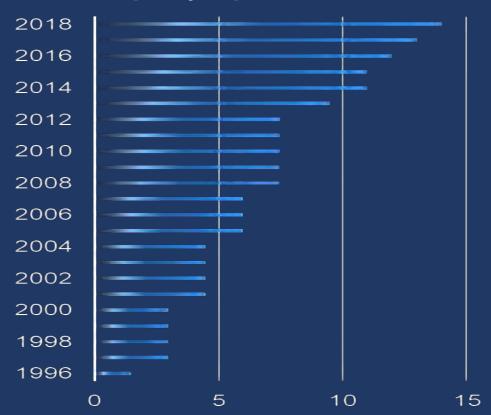
PORT RECEPTION SYSTEM

OPERATIONAL DEVELOPMENT & AUTOMATION



PORT EXPANSION - CONTINUE TO GROW CAPACITY

Capacity Expansion m TEUs



- Track record of growing capacity from 2m TEUs in 1996 to 14m TEUs by end-2017
- Last expansion at CT9 were completed in 2017
- Approval-in-Principle for CT10 to CT17 expansion in 2017 would raise capacity to 28m TEUs per annum



- Double the Current Capacity
- From 15 Mil TEUs to 28 Mil TEUs
- RM12.6 Billion WP2 Initial Investment

MOVING FORWARD - WE CAN'T DO THIS ALONE...

- No more lockdowns
- Higher window arrivals
- ETA & moves accuracy
- Reduce Container's dwell time
- No rollovers
- Proper industry engagement for policy changes & implementation
- Industry digitalisation
- Simplification of Gov's procedures



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