

Forward thinking supply chains

SAPICS
THE PROFESSIONAL BODY FOR
SUPPLY CHAIN MANAGEMENT

IN ASSOCIATION WITH
saaff

11 - 14 June 2023

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Century City Conference Centre, Cape Town, South Africa

Development Perspective on Port of Cape Town Container Logistics Chain

Glen Steyn



Western Cape
Government

FOR YOU

Economic Development and Tourism

SAPICS 2023 on Western Cape Development and Trade Growth

Development Perspective on Port of Cape Town Container

Logistics Chain

Glen Steyn

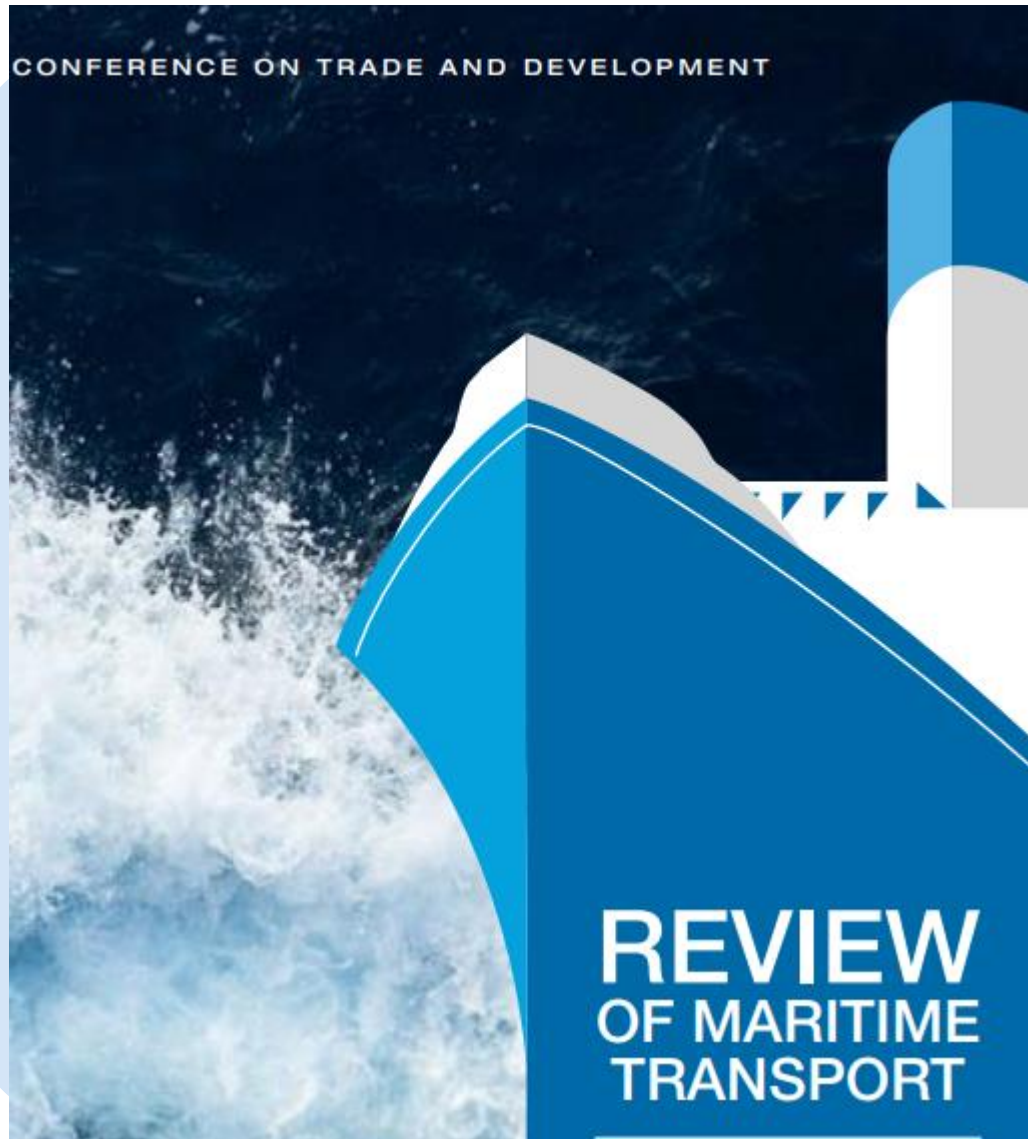
13 June 2023

Content of Presentation



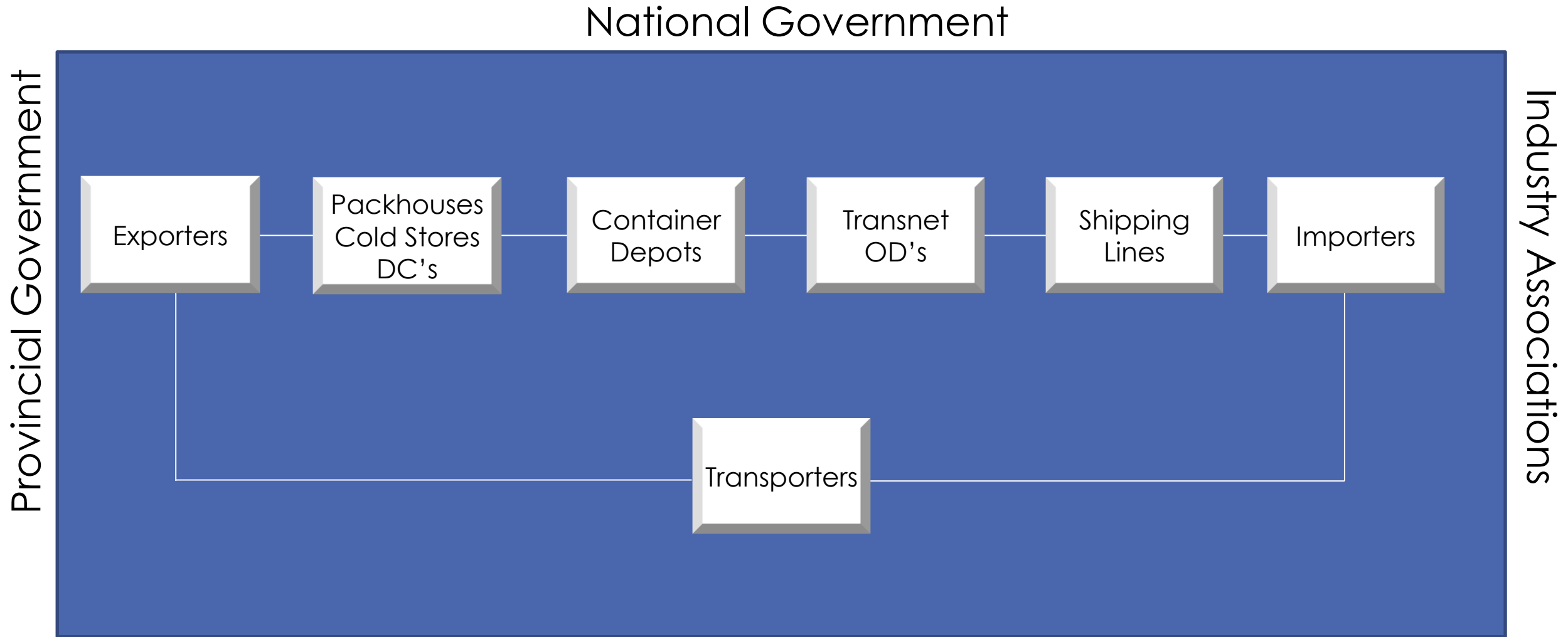
- **Economy – Trade - Logistics**
- **Logistics Chain**
- **Economic Impact**
- **Logistics Dashboard**
- **Proposed Way Forward**

1. Review of Maritime Transport – Navigating Stormy Waters



1. **Economy, Maritime Trade and Containers**
2. **Maritime trade recovery in 2021, but unprecedented logjam in logistics – supply side constraints – average container schedule delays doubled**
3. **Improved resilience needed, including information management with appropriate indicators**

2. Macro Logistics Chain for Port of Cape Town Containers



3.2.2. Contribution of CT Container Terminals to Western Cape Economy

It is estimated that container terminals contributed towards R72.5 bn of the GVA in Western Cape in 2021 (8.6%) and to the creation/sustaining of 225,000 jobs. Taxes paid from these activities was almost R20 billion.

Difference between high and low growth scenarios for 2026 (at current prices) is as follows:

Indicator	High Growth	Low Growth	Difference
GVA R'bn	74.7	69.1	5.6
Jobs	240,000	220,500	19,500
Remuneration R'bn	32	29.9	2.1
Taxes Paid R'bn	21.8	20.2	1.6

DEDAT interventions are aimed at facilitating the high-growth outcome in collaboration with all agencies in the port logistics chain.

4.1 Cape Town Container Logistics Dashboard Overview

Western Cape Container Terminal Performance

- CTCT Overview
- Live Vessel
- Port Movement History
- Stack - Land Side Operations
- Container Moves
- Port Productivity
- Behaviour Beyond Port
- HMV Congestion
- Traffic Incidents
- Weather Impact
- Draft Conclusion



Current Avg Hours prior to Berth

1 day 19 hrs


Vessels at Outer Anchorage: **2**

Vessels at Inner Anchorage: **2**

3 Vessels Berthed at CTCT:

SANTA CLARA
MSC ANUSHA III
MSC MATTINA

Vessel Berths last 14 Days: **3**



Current Avg Hours at Berth


2 days 21 hrs

General Stack: **30%**
Demonstrated Capacity: 65% (+35%)

Reefer Stack: **29%**
Demonstrated Capacity: 65% (+36%)

Empty Stack: **37%**
Demonstrated Capacity: 65% (+28%)

TEU Moves: **2.3K**
25th Percentile LY: 1.5K (+0.82K)



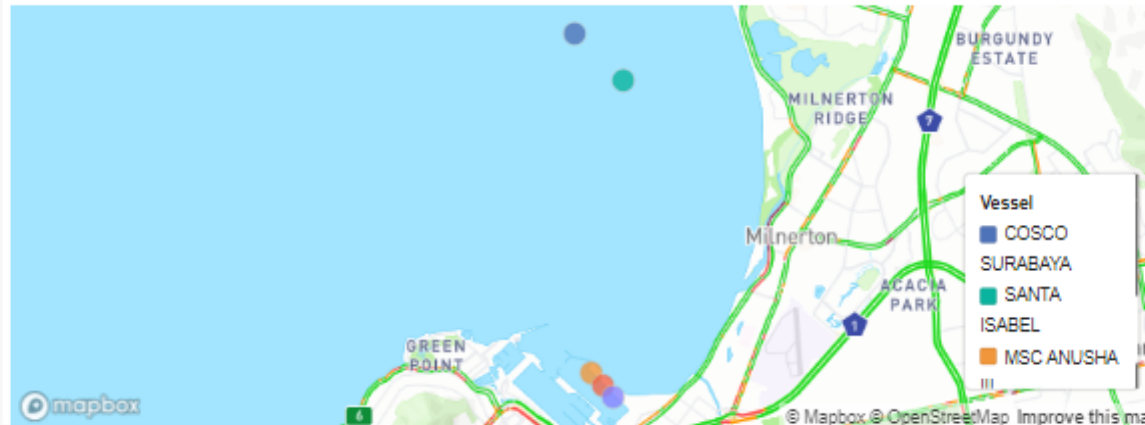
Truck Moves (Containers): **270**
25th Percentile LY: 670

Duncan Rd Median Minutes: **2.0**
75th Percentile LY: 1.81 (-0.2)

Marine Dr Median Minutes: **2.7**

Container Terminal Median Minutes: **27.1**
75th Percentile LY: 43.30 (+16.2)

Rail moves (Containers): **0**
25th Percentile LY: 20 (-20)



Sun through high clouds

Today's Forecast

Day	% Rain	Low	High	Wind
Wed	0%	9	16	20

5/22/2023 5/22/2023 26 May Latest CTCT D...

4.2 Cape Town Container Logistics Dashboard Stack Analysis

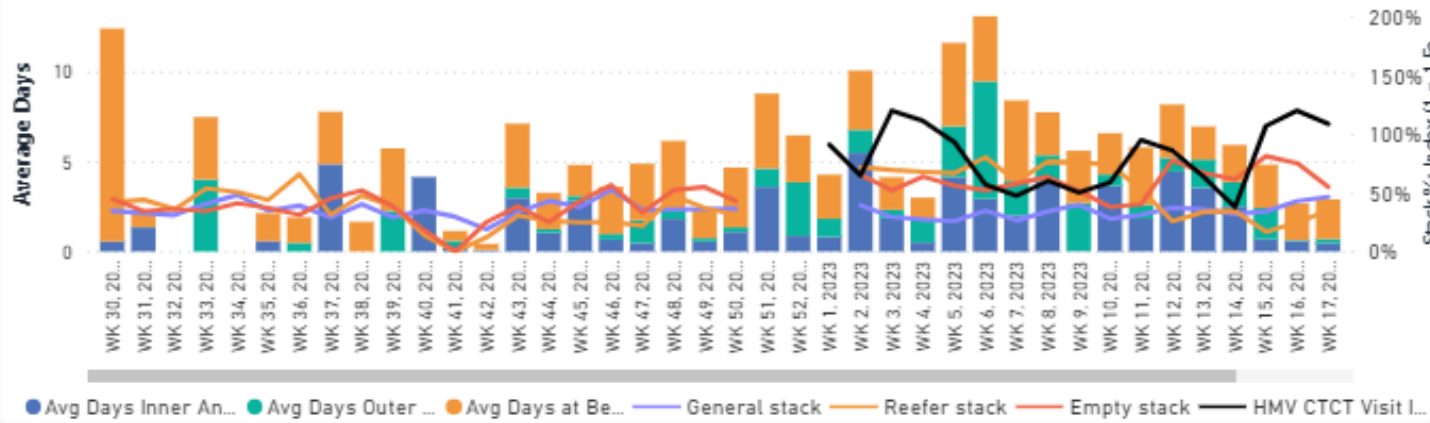


Date

7/1/2022

6/7/2023

Stack Occupancy Type



Trucks, Rail, and Stack Type



Week, Date	General Stack	Reefer Stack	Empty Stack
WK 21, 2023	28%	43%	35%
WK 20, 2023	28%	41%	62%
WK 19, 2023	36%	44%	49%
WK 18, 2023	44%	31%	69%
WK 17, 2023	46%	35%	55%
WK 16, 2023	43%	25%	75%
WK 15, 2023	34%	17%	81%
WK 14, 2023	32%	35%	61%
WK 13, 2023	36%	34%	67%
WK 12, 2023	37%	26%	78%
WK 11, 2023	31%	53%	40%
WK 10, 2023	28%	74%	38%
WK 9, 2023	40%	76%	52%
WK 8, 2023	34%	77%	63%
WK 7, 2023	26%	59%	58%
WK 6, 2023	35%	80%	52%
WK 5, 2023	26%	67%	56%
WK 4, 2023	27%	68%	64%
WK 3, 2023	29%	69%	52%
WK 2, 2023	39%	72%	65%
WK 50, 2022	36%	31%	43%
WK 49, 2022	36%	37%	55%
WK 48, 2022	36%	47%	52%
WK 47, 2022	35%	22%	33%
WK 46, 2022	53%	25%	57%
WK 45, 2022	38%	25%	43%
WK 44, 2022	43%	26%	25%
WK 43, 2022	33%	31%	38%
WK 42, 2022	19%	12%	25%
WK 41, 2022	30%	0%	0%
WK 40, 2022	35%	14%	18%
WK 39, 2022	29%	39%	38%
WK 38, 2022	40%	48%	52%
WK 37, 2022	29%	31%	45%

4.3 Cape Town Container Logistics Dashboard Container Moves

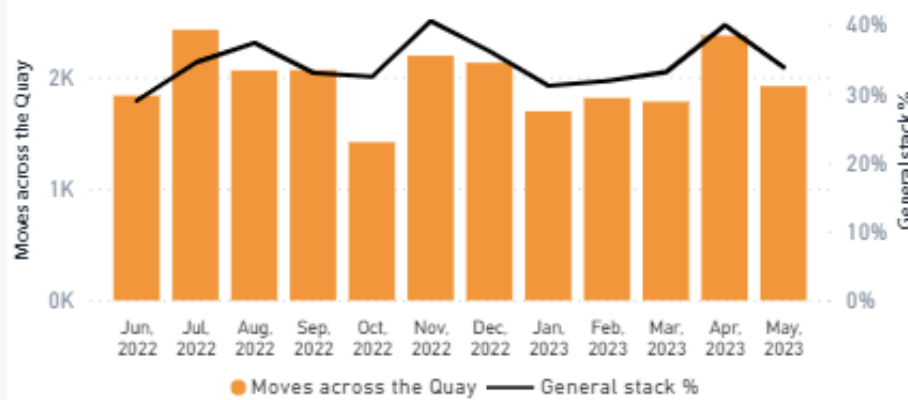


Date

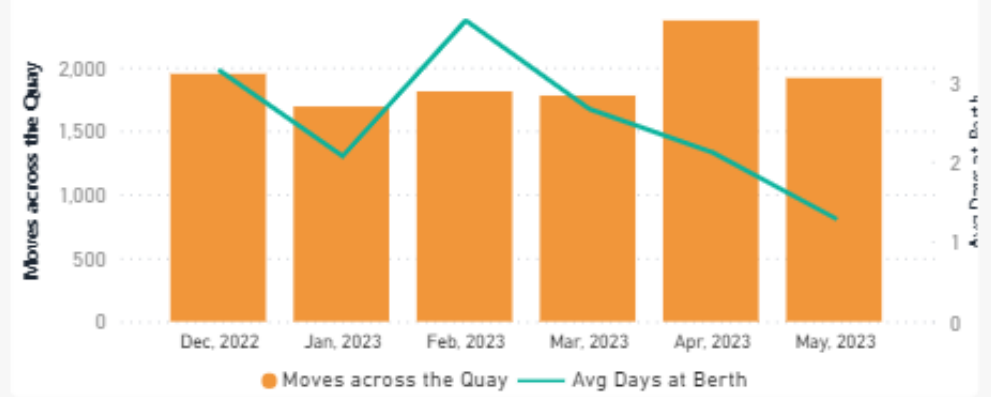
6/8/2022

6/7/2023

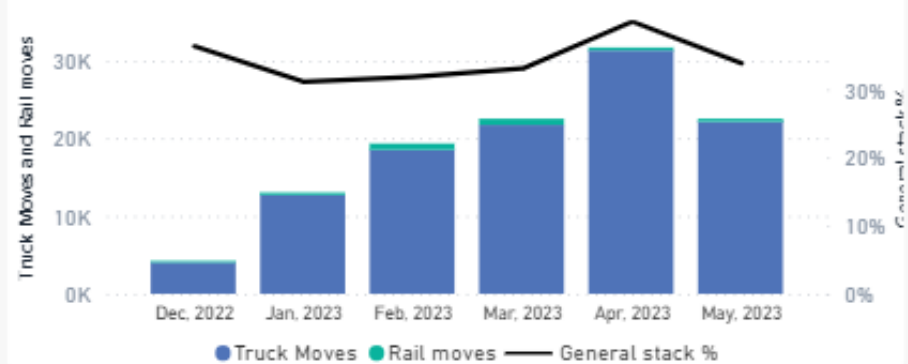
Moves across the Quay and General stack % by Month



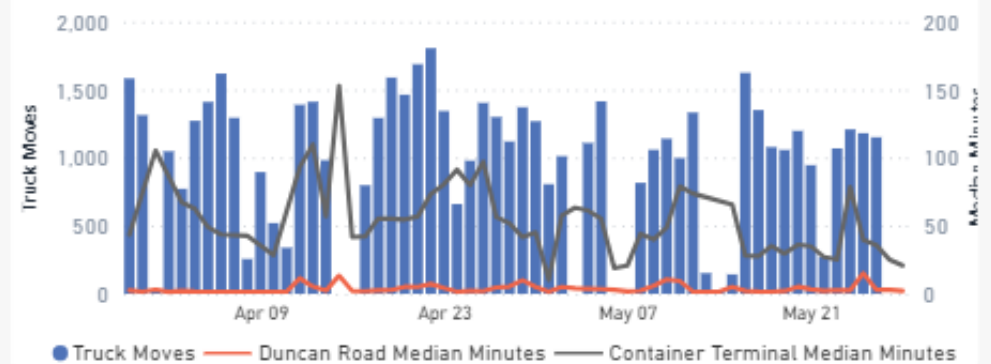
Moves across the Quay and Avg Days at Berth by Month



TEU moves, Trucks, Rail and General stack by Week



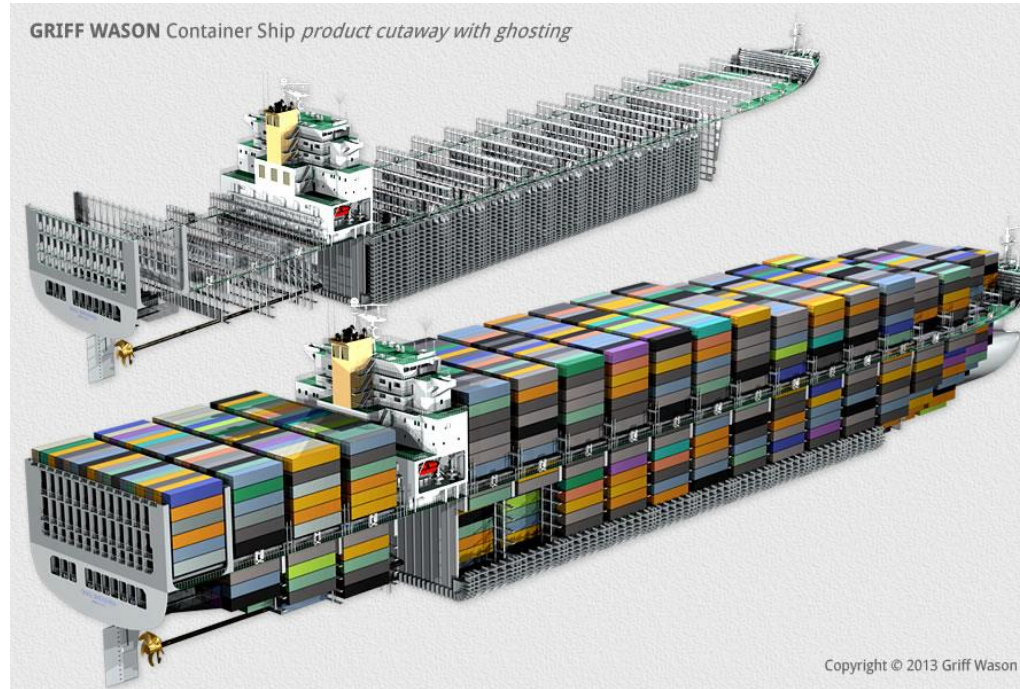
Truck Moves, Duncan Road Median Minutes and Container Terminal Median Minutes



6. Proposed Way Forward

1

Consolidate the cluster. Intensify collaboration with TRANSNET/other stakeholders to synchronize and extend the logistics chain as a platform for further development



2

Improve planning co-ordination between cold stores, container terminals, shipping lines and transporters - Dashboard.

3

Agree upon and jointly pursue appropriate performance targets, including operational availability of HLE, with the required resources

4

Investigate suitable opportunities for private sector participation in the port logistics chain

5

Collaboratively make the best - case scenario happen, with 26% export and cargo growth by 2026; and 20,000 new jobs

6

Replicate the Cluster

Thank you!