



Transnet National Ports Authority

Mr. Pepi Silinga

Chief Executive, TNPA

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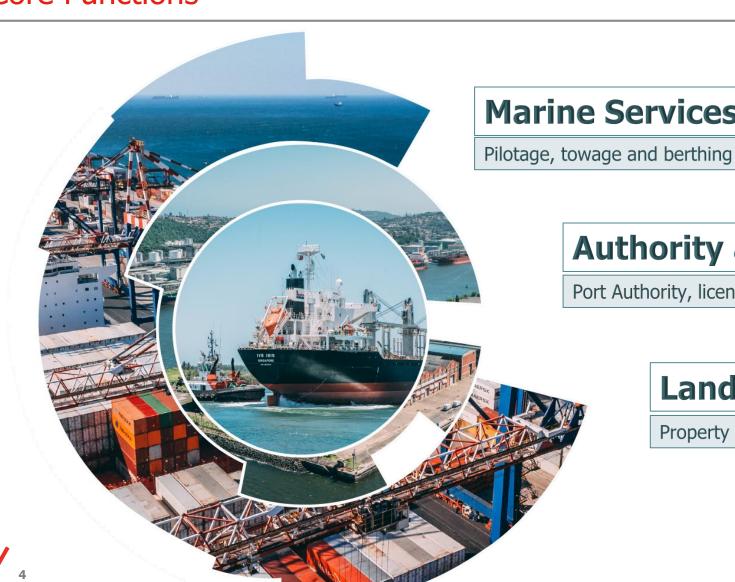
3. Ports Infrastructure Capacity

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1. TNPA OVERVIEW

Core Functions





Marine Services

Authority and Regulatory

Port Authority, licensing, compliance and regulatory

Landlord and Infrastructure

Property portfolio and provision of port infrastructure

1. TNPA OVERVIEW

national ports authority

Performance Targets

KEY PERFORMANCE INDICATORS

Functional Area	Measure	FY 22/23 Target	FY 22/23 Actual	FY 23/24 Target	
Marine Services	Marine Service Delays (hou	urs: minutes)			
	• DBN	3:14	3:04		
	• NGQ	3:03	1:30	2:00	
	• CPT	4:18	0:19		
Authority and Regulatory	Ship Turnaround Time (hours)				
	• DCT Pier 1	55	75	55	
	• DCT Pier 2	53	93	53	
Infrastructure	CAPEX	R 2 454 m	R 2 087 m	R 2 475 m	
Landlord	Real Estate Revenue	R 4 321 m	R 4 568 m 1	R 5 000 m	
	"Operation Badala" (reduction in debtor's arrears)	R 572 m	R 518 m 1	R 470 m	

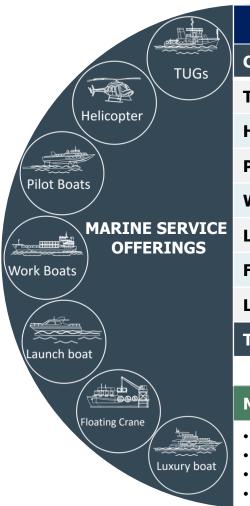
Note:

Results based on unaudited performance

2. MARINE SERVICES UPDATE

TRANSNET

Marine Fleet Requirements



FLEET TYPE	MARINE NATIO	MARINE NATIONAL TOTAL				
CRAFT	REQUIRED	ACTUAL				
Tugs	36	24 (67%)				
Helicopter	5	3 (60%)				
Pilot Boats	14	8 (57%)				
Work Boat	7	7 (100%)				
Launch Boat	14	8 (57%)				
Floating Crane	2	2 (100%)				
Luxury Boats	1	1 (100%)				
Total	77	53				

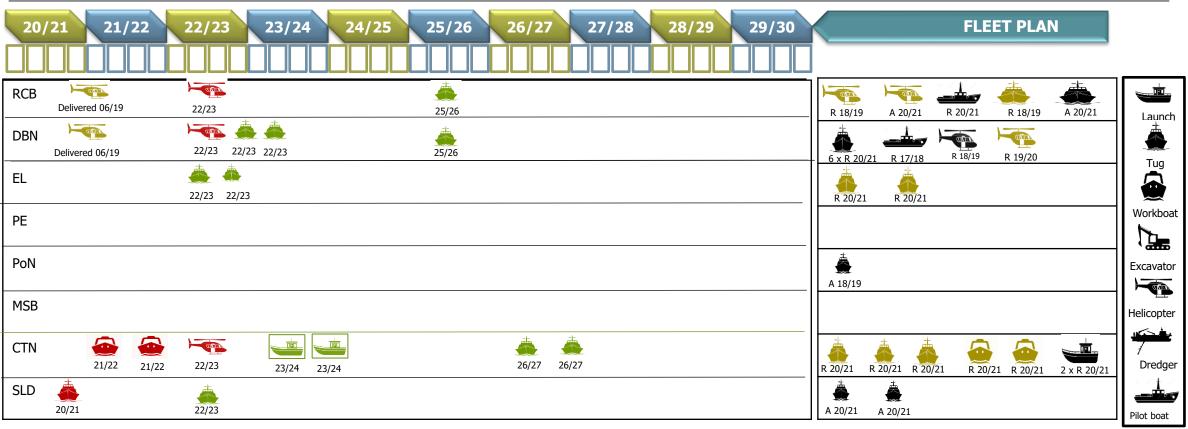
MAINTENANCE INTERVENTIONS

- 10 tugs
- 1 helicopter
- 3 pilot boats
- 2 work boats

2. INTERVENTIONS TO IMPROVE MARINE SERVICES

national ports

10-Year Fleet Plan



- 4 tug boats that will be restored, timeline is 14 months (2022/23/24)
- 4 pilot boats that will be restored, timeline is 18 months (2022/23/24)
- Acquisition of 5 second hand tugs (2022/23/24)

- Acquisition of three tugs (2x 50 t & 1 x 70 t BP expected 2026)
- Acquisition of two launches (FY 2023/24)
- Acquisition of three helicopters (est. FY 2024/25)

Disclaimer: Fleet resources will be deployed to various ports subject to needs once available.





Both on Fleet & Corporate Plan



2. INTERVENTIONS TO IMPROVE MARINE SERVICES

Transversal Initiatives

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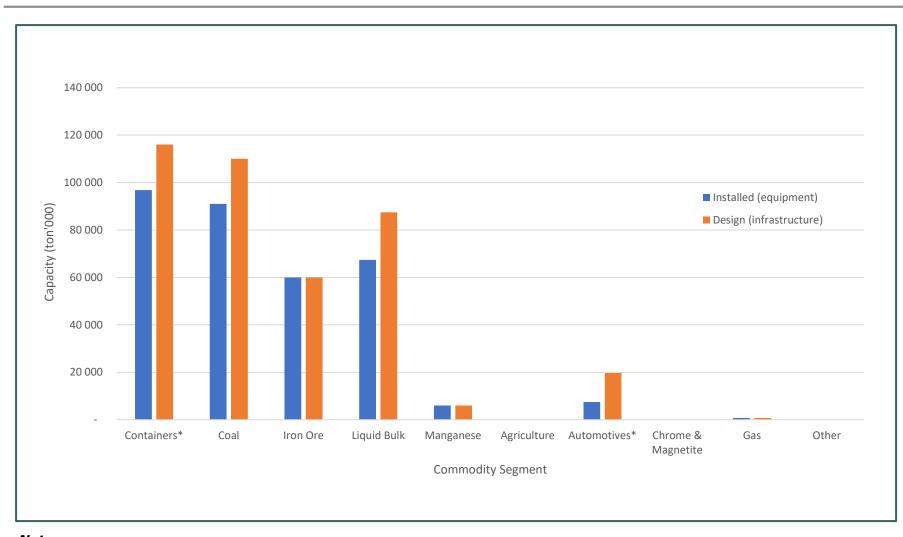
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national ports authority

Challenge	Intervention	Status
Tugs out of commission	Monitoring maintenance schedule compliance	•
	Capability to execute in-house maintenance	•
Unavailability of tugs	Improve communication between departments (e.g., Vessel Traffic Services and Marine)	•
	Improve planning (optimal slot utilisation)	•
Procurement delays	Long-term maintenance contracts to reduce the procurement cycle time	•
Dry Dock delays	Proactive dry docking scheduling maintenance	•
Constrained human resources	Marine pipeline training (General Purpose Ratings, Second Engineers, Pilot Boat Masters and Tug masters) and active recruitment	•
	Revised specialised skills remuneration dispensation (Marine, Aviation and Dredging)	•

3. PORTS INFRASTRUCTURE CAPACITY

Cargo Type and Infrastructure Capacity





Notes:

^{*} All volumes are converted into tons [TEU = 16 Tons and Unit of Auto = 9 Tons]

3. PORTS INFRASTRUCTURE CAPACITY

Cargo Type and Infrastructure Capacity



	Actual Volumes: Actual Volumes: 2021/22				1/22	Best Year	Volume	% change [FY2022/23		
No.	Cargo Type	Ton ['000]	% share**	Ton ['000] 2021/22	Variance		Year	Ton [000']	vs. Be Year]*	est
1.	Containers*	65 685	24%	71 065.0	-8%	*	2017/18	76 440	-14%	\$
2.	Coal	63 726	23%	65 950.0	-3%	+	2017/18	80 366	-21%	1
3.	Iron Ore	50 704	18%	56 165.0	-11%	+	2016/17	59 004	-14%	1
4.	Liquid Bulk	34 405	12%	37 185.0	-8%	+	2017/18	44 550	-23%	Ŷ
5.	Manganese	20 335	7%	21 431.0	-5%	+	2021/22	21 431	-5%	Ŷ
6.	Agriculture	8 064	3%	8 244.0	-2%	+	2021/22	8 244	-2%	1
7.	Automotives*	7 853	3%	6 305.0	20%	Ŷ	2019/20	6 991	12%	ŵ
8.	Chrome & Magnetite	6 117	2%	11 308.0	-85%	+	2019/20	12 769	-52%	\$
9.	Gas	1 136	0%	955.0	16%	Ŷ	2021/22	955	19%	Ŷ
10.	Other	21 436	8%	14 792.0	31%	Ŷ	-	-	1	
	Total	279 462	100%							

Infra. Capacity									
Installed [Tons '000]	Design [Ton '000]	Spare Capacity [Tons ' 000]	Max Operating Capacity at 90% [Tons	Trigger Point at 80% of Max Operating Capacity					
96 800	116 000	31 115	104 400	63%					
91 000	110 000	27 274	99 000	64%					
60 000	60 000	9 296	54 000	94%					
67 400	87 400	32 995	78 660	44%					
6 000	6 000	-14335	5 400	377%					
			-	-					
7 499	19 710	-354	17 739	44%					
-	-		-	-					
720	720	-416	648	175%					
-	-		-	-					

Notes:



** % share refers to the segment as % of the total volumes of listed segments

Legend:

TRAINSINET CONTIDENTIAL INFORMATIO

Between 0% - 60% of Max Operating Capacity: Below Trigger Point Between 61% - 79% of Max Operating Capacity: Close to Trigger

Point79 =>80% of Max Operating Capacity: Exceeded Trigger Point

4. TNPA KEY INITIATIVES

national ports

Game-Changing Projects (R13.4bn CAPEX Investment over 5 Years)

Eastern Region		Central Region			Western Region			
Richards Bay	Durban	East London	Ngqura	Port Elizabeth	Mossel Bay	Cape Town	Saldanha	
 LNG Berth 207 & Terminal Relocation of SA Navy to Naval Island Pelican Island Additional Capacity for MPT Mega Chrome Berths (802 803) and Terminal 	 Container Hub Development Entrance Channel Widening & Deepening Maydon Wharf Channel Deepening Automotive Terminal Expansion Upgrade of Bayhead and Langeberg Roads 	 Deepening of N-Berth Increase Automotive Terminal capacity Buffalo Bridge Refurbishment 	 Liquid Bulk Terminal Berth construction Ngqura Manganese Terminal Conveyor Belt LNG terminal & breakwater 	 Relocation and Rehabilitation of Liquid Bulk and Manganese Expansion of Automotive Terminal Waterfront development 	 Development of Cruise Terminal Liquid Bulk Terminal Expansion of MPT Maritime Engineering Precinct Deeper water SPM 	 Expansion of CTCT Refurbishment of Dry Docks Truck Staging area & Automation Development of Culemborg logistics park 	 Ore Expansion Berth Oil Jetty Reconfiguration Marine Manufacturing Facility LNG Floating Ship Regasification Unit MPT Extension, New Berth 205 	

Transversal/National Projects

- Renewable Energy
- Desalination
- Hydraulic Mooring System
- Stormwater Management System, Traffic Management System, Pavement Management System
- Acquisition of Marine Fleet and Equipment (Tugs, Helicopters, Workboats, Pilot Boats, Launches)
- Boegoebaai Port development



Transnet Port Terminals

Mr. Jabu Mdaki Chief Executive, Transnet Port Terminals

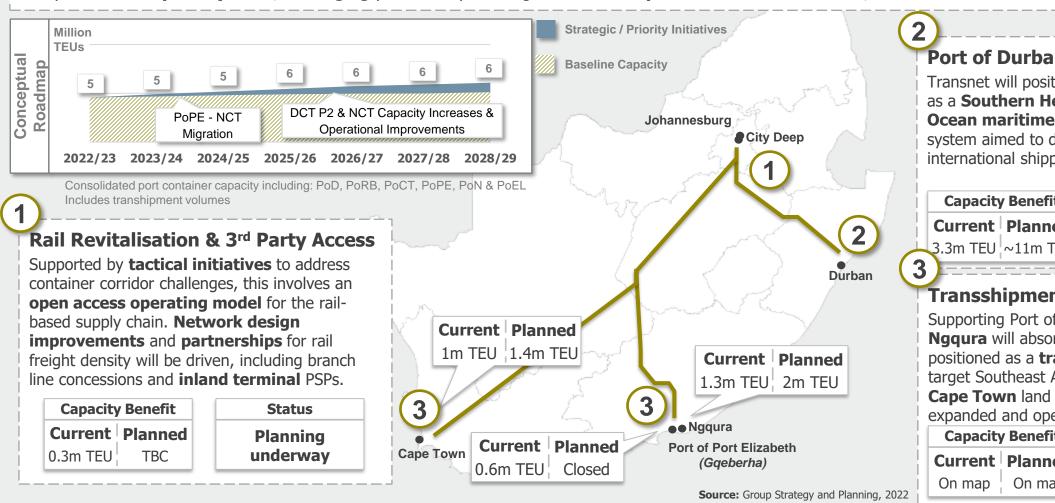


CONTAINER SEGMENT STRATEGY

Transformation of the Container Logistics System



The Container Freight System is a **critical component** of the National Freight System and directly impacts SA trade and export competitiveness. The Container Segment Strategy is designed to foster improved **maritime connectivity** through the establishment of an internationally competitive **hub port system**, leveraging partnerships to **rejuvenate** the **port terminal** businesses, and **reform** the container **rail business**.



Port of Durban Hub Port

Transnet will position the **Port of Durban** as a **Southern Hemisphere** and **Indian** Ocean maritime hub, the centre of a system aimed to drive reduction of international shipping costs by 20-30%.

Status	y Benefit	Capacity
DCT Pier 2 PSP i	Planned	Current
Progress	~11m TEU	3.3m TEU

Transshipment & System Ports

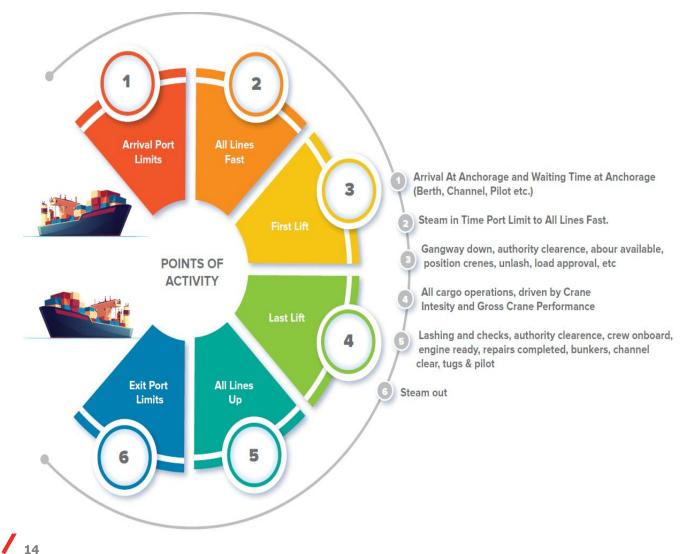
Supporting Port of Durban, the **Port of** Nggura will absorb PE CT volumes and be positioned as a **transshipment** hub to target Southeast Asia shipping. Port of Cape Town land side capacity will be expanded and operationally improved.

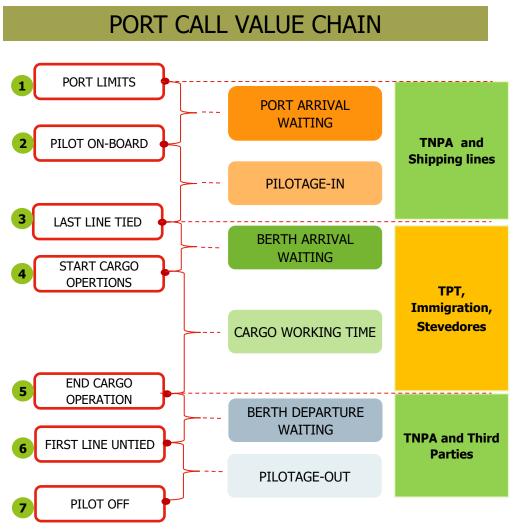
Capacity	y Benefit	Status
Current	Planned	NCT PSP in
On map	On map	Progress

PORT CALL ROLES: TNPA, TPT, SHIPPING LINES & OTHER PARTIES

Anatomy of a Port Call







KEY OPERATIONAL CHALLENGES & MITIGATIONS



Equipment

Issue:

- Availability and Reliability of operational equipment (Cranes, Straddle Carriers, Rubber Tyred Gantries
- 2. Material handling solution for Richards Bay

Root Cause:

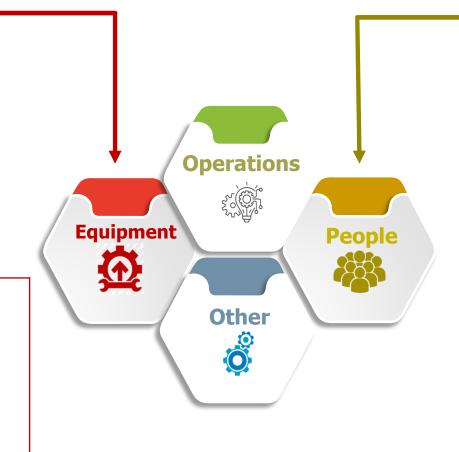
- Aged equipment, deferred replacement and unavailability of Spares
- 2. Court case by unsuccessful bidder

Key Actions

- 1. Equipment:
 - Ongoing Capital Replacement Projects and Refurbishment Programme as per CAPEX plan
 - Implementation of long-term spares contracts, National supply contracts and management contracts
- Implement lease contract as a precursor to acquire own fleet

Time

6 – 12 Months



People

Issue:

- Shortage of people and critical skills in Operations, Planning and Technical
- 2. Low employee morale and fatigue

Root Cause:

- 1. Staff turnover and Inability to keep pace with recruitment and training requirements
- 2. Long shifts and reduced incentives

Key Actions

- 1. Shortage of People & skills:
 - Acceleration of recruitment to fill critical technical vacancies across all terminals
 - OEM Partnership exchange programmes aimed at upskilling of technical skills, coaching and mentoring by shipping lines (Maersk in the Durban Terminals and MSC in CTCT and NCT)
 - NAVIS Training recertification in 2023/24FY
- 2. Review of existing incentive scheme & implementation of 4th shift

Time

3 - 12 months

KEY OPERATIONAL CHALLENGES & MITIGATIONS CONTINUED



Operations

Issue:

- 1. Weather Delays in Cape Town container terminal
- 2. Automotive Vehicle Stack congestion
- ICT Network outages impacting operational systems

Root Cause:

- 1. Increasing trend of wind delays and vessel swells
- 2. Bulging of vessel in the Durban automotive terminal
- 3. Power Outages and Fibre Breaks

Key Actions:

- 1. Introducing of remote operation Appointed specialist to assist with feasibility assessment and execution plan.
- 2. Introduce CTOC slot similar to container sector (engagements with NAMSA has started).
 - Implemented integrated planning session with OEM since October 2022 to align on stack and ETAs for vessels
 - New tariffs introduced to incentivise the reduction of dwell from 16 to 10 days
- New Network Service Management Contract being entered into to (1) Manage network and (2) provide insights on modernisation of the network

Time

12 Months

Equipment

6 Months

6 Months

Other

Issue:

- 1. PFMA Legislation and stringent SCM
- 2. Escalating energy costs

Root Cause:

- 1. Long lead times to procure critical equipment, spares and other goods and services compared with our competitors (Grindrod and Bidvest)
- 2. Over usage of fuel due to loadshedding

Key Actions

- Medium to Long Term Contracts -Confinement of spares and services to OEMs and Original Components Manufacturers with emphasis on standardisation and localisation.
- 2. Implement cost reflective tariffs.

Time

12 months

6 Months

RANSNET CONFIDENTIAL INFORMATION

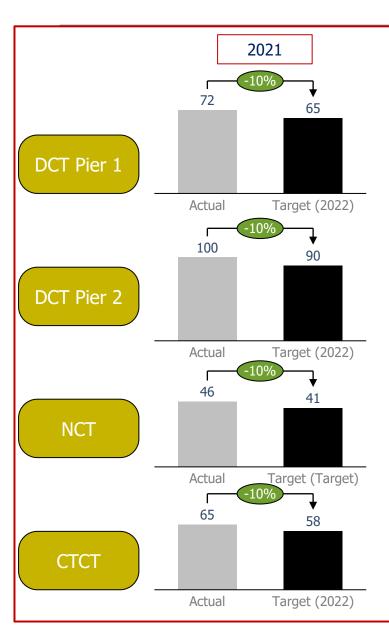
Operations

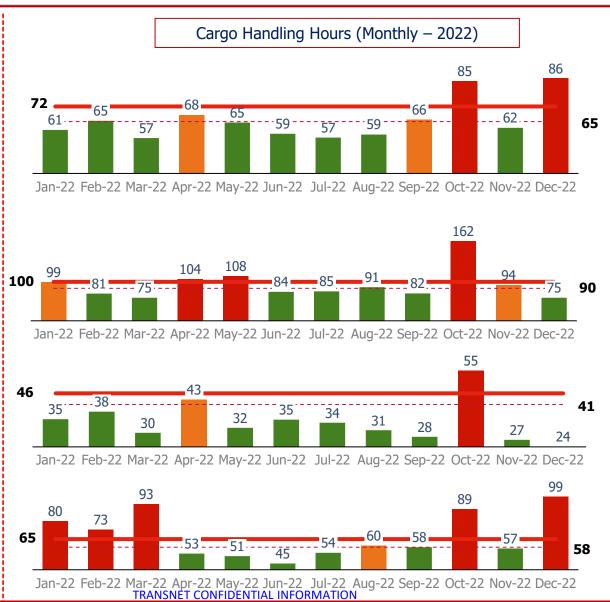
Other

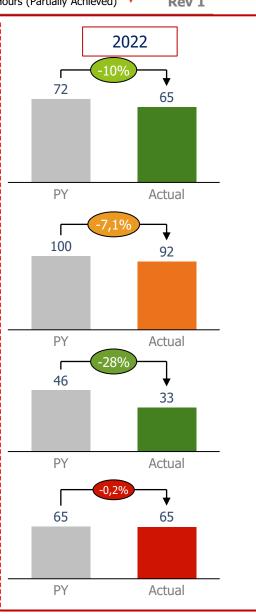
People

Progress against TPT Commitment (reduce cargo operations time by 10%)

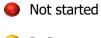








Key Initiatives and status (Durban Container Terminals)





In Progress





Operational Processes	
Operations - Actions	Stat
Load Containers out of sequence Only being done on MTs. Risk associated with Fulls at the next Port of Call	0
2. Strategic Mindset –Housekeeping/ Yard Prep – Full gangs, Min of 5 Straddles per shift Manage shortage of Human Capital and Equipment	<u> </u>
3. Link free days to container discharge Conducted a simulation. 3 Day Free Storage reduce to collection from day 1 of Container Landing	0
4. Implement Dual Cycle Operations First two Pilot Vessels Completed, Learnings being adopted on new vessels	0
5. Track OLE/CHE-reporting (Power BI)	0
6. Drive dual transactions on all truck visits	0
7. Improve QC/Pin –men communication	
8. Hot Seat change-over Reduce Shift Change and driver change time	0
9. Supervision	

	Improve load planning timeline discipling	e. 3. Terminal management strategic mindset	4. Link Free-days to Container Discharge Converted To The Control of The Control
5. Multi-Skill (and use) operators	6. Dual-cycling (double-tripping)	7. Develop control mechanisms to track	8. Drive dual transactions
9. QC Operator/Pin-Men communication	10. Eliminate Customer escalation	11. Improve load planning timeline discipline	12. Improve Supervision
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People - Actions	Stat
1. Strategic Mindset Recruitment and training in progress for additional Gangs Pier 1 (6th), Pier 2 (14th) and 4 th shift implementation	0
2. Multi-skilling of Operators Lifting Equipment Operators currently undergoing going multi-skilling in NCT (X 8)	0
3. Incentive scheme Approved by the Board, implementation in progress, employees' morale has improved and will be monitoring productivity on monthly basis.	0
4. Filling of Vacant Terminal Manager posts Terminal Manager positions all filled with the exception of 2 terminals (Durban MPT and Cape Town Containers – 2 managers acting)	0
5. Conversion of FTH employees to permanent (Container Sector) Conversion of FTH in-progress	0
6. Reduce Absenteeism, Light Duty and Sick	0

Technical - Actions	Stat
Strategic Mindset –Housekeeping/Yard Prep Min of 5 Straddles per shift Maintenance to ensure no shortage of Equipment	0
2. Equipment standardization across TPT Huge benefits with regards to reduction in stock levels, less diversified skills requirement, etc	
3. Enter into long term agreement with OEM's Liebeherr has already made a proposal that they will consider putting up a manufacturing facility in SA	0

Pla	Planning - Actions	Stat
	1. National and Terminal Planning Alignment Daily Berthing Telecon	0
	2. Finalisation of Berthing Pro-Forma Alignment with Terminals on CTOC Vessel Line and committed volumes Engagement with Shipping Lines	0
	3. Improvement in Equipment Reliability and Availability ME engagement with OEMs on plans to improve Reliability of ZPMCs and Kalmar's. ZPMC provided a plan with timelines to resolve	0
	4. NAVIS Upgrade 3.7 All relevant users trained on the system upgrade.	
	5. Navis Planner Training — Sponsorship Agreement Engagements with shipping lines to provide training in-progress e.g. MSC and Maersk.	
	6. Formal Navis Planner Training. Currently training being conducted	
nme	Commercial - Actions	Stat
	1. Reefer Season Preparation Engagement with Industry – Creating Priority Truck Groups	0
	2. Mandatory Pre-Planning for all vessel transactions	0
	3. Planner Training Approached Shipping Lines for Planner Assistance	0
	4. Link free days to container discharge Commercial Agreement Amendment. 3 Day Free Storage reduce to collection from day 1 of Container Landing	0

Key Initiatives and status (Ngqura Container Terminal)

Not	started
	oca: cc







Operational		
Processes	Operations - Actions	Stat
1.	Amending's ex Line Service to be completed at least 24 hours prior to vessel berthing to allow for any housekeeping.	
2.	On carrier to berth after pre-carrier and to show on berth plan.	
3.	Improve housekeeping measures in Yard	
4.	Plan, sequence and execute discharge and load same bay to avoid unnecessary and time-consuming hatch lid movements	0

1. Load containers "Out-of-Sequence" 2	Improve load planning timeline discipling	e. 3. Terminal management strategic mindset The strategic mindset	4. Link Free-days to Container Discharge Control and Control and
5. Multi-Skill (and use) operators	6. Dual-cycling (double-tripping)	7. Develop control mechanisms to track	8. Drive dual transactions
9. OC Operator/Pin-Men communication	10. Eliminate Customer escalation	11. Improve load planning timeline discipline	12. Improve Supervision
å å	H		

People	People - Actions	Stat
prog	Incentive scheme roved by the Board, implementation in aress, employees' morale has improved and be monitoring productivity on monthly s.	0
2.	Improve changeover discipline	0

	Planning - Actions	Stat
1.	National and Terminal Planning Alignment	
Daily	Berthing Telecon	
2.	Implement Pre-Planning – Focus vessel approach	
3.	NAVIS Upgrade 3.7	
All relevant users trained on the system upgrade.		

Technic	Technical - Actions	Stat
1.	Equipment standardization across TPT	
	e benefits with regards to reduction in stock ls, less diversified skills requirement , etc.	
2.	Enter into long term agreement with OEM's	
3.	STS 1 – 6 Energy Chain replacement	
Business cases are approved)
4.	Spreader Refurbishment (x9)	
5.	RTG Midlife upgrade	
Estii	mated start date Q3 2023/24.)
6.	Hauler replacement x 50	
Аррі	roved (ETD Q4 2023/24)	
7.	Kalmar RTG Drive upgrade	0

Key Initiatives and status (Cape Town Container Terminal)

Not started	TRANSNET
In Progress	
On track	Rev 1

Infra	Infrastructure - Actions	Stat
1.	Resurfacing of J-Berth at CT MPT: Feasibility is underway	0
2.	Increased number of plug points by 200, to a grand total of 3 200	
	Increased landside capacity from 1m TEU to 1,4 mt TEU: landside & rail expansion asibility study and project engineering elopment is underway,)	0

People	People - Actions	Stat
1.	4th Shift - Implementation to address fatigue & absenteeism & improve productivity	0
2.	Multiskilling of staff	0
3.	Incentive in place to motivates high performance	
4.	Permanent 7 x gangs	

ystems &		
Process	Systems & Processes - Actions	Stat
1.	Changed from a 2-berth to a 3-Berths to improve efficiencies & volume throughput	
2.	Remote Working: To improve efficiencies, working in high winds: Finalizing Business case & feasibility study	0
3.	Truck Staging Area: • Phase 1 @ CT MPT : Capacity to stage 28 trucks • Phase 2 @ CTCT : Capacity to stage 37 trucks	0

SH Colab	Stakeholder collaboration - Actions	Stat
1.	Truck Booking System:	0
2.	Night runs Fully resourced to service trucks at night, to decongest the terminal. Currently limited uptake	0
3.	Maersk Belocn Logistics Hub: Integrated working group (TPT, TFR, TNPA,Maersk)	0

Dasal		
People	Equipment	Stat
1.	9 th Crane - was repositioned from Durban, to assist in redundancy during maintenance & refurbishment of cranes, starting this year	
2.	RTGs - Increased availability from 15 to 22 machines	0
3.	Haulers - Obtained 5 x units from Ngqura Container Terminal, still 2 short of 40 required	0
4.	Mobile Crane - Transferred 1 x crane from Eastern Cape Terminal, increasing the fleet to 3.	
5.	Spare Parts Contracts - in place: RTGs, Haulers & Reach Stackers	
6.	 OEM Partnership: Contracts in place for technical support of STS cranes and the OEM of mobile crane at CT MPT is on site on a permanent basis Long terms contracts: RFP issued, 	0
	expects implementation in Sep 2023	
7.	 Shore Tensioners Two x sets were installed to mitigate excessive vessel movements 1 additional set requested from TNPA in Feb 2023 	0

TPT EQUIPMENT INVESTMENT PLAN

OEM and OPM Collaboration Strategy



CURRENT STATUS

Low reliability and availability over the life of our assets

High maintenance costs, use of non-OEM parts and non-approved service providers

Long lead times for critical components and OEM support

Limited interactions with OEMS for the life of the equipment

There is no incentive for OEMs to invest in developing local product support because of the piecemeal award of equipment acquisitions and supporting works

CHANGE IN MODEL — What the Collaboration intends to achieve				
Local footprint	Training Capabilities	Simulators		
National and Regional Presence	 Capability to be established locally via Transnet Academy 	 Acquisition, maintenance and life cycle support 		
Spares Support	Local Vendor Development	Technical Support		
Consumables locally manufactured	 Locally manufactured consumables 	Online within 2hrs		
Spares availability, 24 & 48 hrs. local supply	 Distribution centers and stockholding 	On-site with 24 hrs.		
Maintenance Management Systems	Obsolescence Management	Life Cycle Management		
Fully integrated SAP support	 Generation, Change-out and Schedule Management 	 Annual Audits, condition assessments and detailed structural assessments 		
Intellectual Property	Technology Management	Transnet Engineering Collaboration		
 Engineering drawings, Material specifications, welding and NDT requirements 	 Latest designs and technology TPT Equipment Specification updates Automation and Semi-Automation 	 OEM's to partner with TE for local manufacturing and assembly of specified components. 		

Automation and Semi-Automation

TRANSNET CONFIDENTIAL INFORMATION



Transnet Freight Rail

Ms. Sizakele Mzimela, Chief Executive, Transnet Freight Rail







Stabilizing Rail Performance and Growing Volumes Across All Critical Corridors

01

Stop the Bleeding

- Return to service of long-standing locomotives (Northcor + NorthEastcor)
- Negotiate and Implement MRSA and MTSA
- Leasing out Container Corridor
- Tariff Rebasing
- Termination of unprofitable flows

02

Restore and Stabilize Corridor Operations

- Security Improvement Plan (Outcomes Based Security contracts)
- Procurement
 Process Overhaul
- Operations Optimisation initiatives
- Back of Port facilities for Iron Ore

03

Immediate implementation of Digitalisation

- Improve planning
- Reduce derailments (Safety)
- Improve efficiencies
- Reduce costs
- Fatigue Management

04

Fast Track Key Infrastructure Programs

- Ngqura Manganese Export Terminal – Rail Project (R10bn).
- Implement Rail
 Renewal Programme to
 restore network
 capacity on North EastCor route to
 Maputo & Richardsbay
- Customer-led investments (partnerships) – both infra and rolling stock

05

Increase Profitability

- Market selection
- Rebasing historically underpriced services
- Reallocation of resources based on viability of services.
- Accelerating consolidation strategies to improve efficiencies and asset utilization.

2

TRANSNET FREIGHT RAIL

TRANSNET

TFR Core Operations are Anchored in Corridors

The Transnet Freight Rail Corridor Model is designed to improve decision-making, responsiveness to customer needs and integrated problem-solving in the rapidly changing business, market and policy environments.

	Volume mt	Volume %	% Revenue Contribution
North Corridor	74.7	41%	38%
North-East Corridor	20	11%	14%
Ore Corridor	65	35%	26%
Cape Corridor	20	11%	20%
Container Corridor	2.5	1.4%	2%
Central Corridor	1.5	0.8%	1%
Total	183.8		

KEY BINDING CONSTRAINTS



Locomotives

- 1064 contract suspension
- Decreased locomotive availability
- Increased non-operating
- Decreased loco reliability



Infrastructure

- Systemic underinvestment
- Decreased reliability
- Increase in derailments/ incidents



Security

Crippling theft & vandalism of key infrastructure resulting in operational disruption



ADDITIONAL CONSTRAINT - MANUALLY DRIVEN OPERATIONS THROUGHOUT THE VALUE CHAIN

Source: Transnet Freight Rail Budget, 2023/24

STABILIZING CORRIDOR OPERATIONS ~ RETURN LONG-STANDING LOCOMOTIVES

TRANSNET

Confinement to 2 OEMs (99 Locos – WABTEC and Bombardier); CRRC engagements underway, alternate OEM RFP already issued to market. Negotiations underway, expecting 79 locos in FY 2023/24

ISSUEU LO MATKEL. NEGOLIALIONS L	ed to market. Negotiations underway, expecting /9 locos in FY 2023/24		<u> </u>	
PROJECT	DESCRIPTION	IMPACT	TIMELINE	
Alstom new locomotives	Receive 9 x Alstom 23E locomotives: Redeploy the 9x 22E's currently used on flow to the coal line	1,3mtpa volume upside	2 /3 received - April 2023 3/3 received and in acceptance testing - May 2023 3 expected – June 2023	
*Improved locomotive availability	Receive 28 x long standing and new locomotives (4x D45s, 11x23Es, 18xD43s/D44s, 1x15E 4x23E's from Alstom, Wabtec	4 mtpa volume upside	4 x D45 by June 2023 4 x 23E – July 2023 Negotiations underway	
Improved locomotive availability	Receive 38 x long standing and new locomotives (Wabtec, Alstom) for deployment in various flows	5,4 mtpa volume upside	Negotiations underway	
Additional diesel locomotives	Ramp up manganese solution by increasing the number of locomotives assigned by 4 x D45's	0,2 mtpa volume upside	4 x D45 - Oct	
Alstom new locomotives	Receive 47 x new Alstom 23E locomotives, and 74 long standing	30 mtpa volume	By March 2025	

Alstom new locomotives and return of long standing

TO SERVICE

Receive 47 x new Alstom 23E locomotives, and 74 long standing locomotives (Wabtec – 46x 43/44Ds; CNR – 3 X 45Ds; - 25 x 15E/19E)

30 mtpa volume upside

By March 2025

*Please note that there two batches of locomotives Source: Transnet Freight Rail, 2023

TRANSNET

CONTAINER CORRIDOR OPERATING LEASE



Scope encompasses the Rail Network, Rail Operations from City Deep to the Port of Durban and Personnel for a period of 20 years.

The lease of the corridor through a private-sector partnership primarily seeks to leverage capital and capabilities for a limited period for the loss-making operations, **Transnet's value for money is the avoidance of losses**.

- 1) Container Corridor Investment Gap
- 2) Revenue Limitations:

80% of the Corridor revenue is from commodities that have Rate of Cost Recovery (RCR) that is between 20% and 45% of cost.

Commodities on the corridor have inherent characteristics that limit full revenue recovery, such as:

- **2.1 Low margins and highly contested** with road transportation
- **2.2** Uneven Playing Fields Transnet must **incur infrastructure costs**, whereas road is subsidised

The **unreliability of the service** further limits the ability to increase tariffs to achieve revenue levels for full cost recovery.

Customer Benefits

- Improvement in service reliability with the investment in rail infrastructure and security
- 2. Access to **end-to-end service offerings**
- 3. Growth in rail volumes will reduce the cost of logistics in the **supply chain leveraging off the value of mass evacuation** on rail.

Benefits for the South African Economy

- Reduction in cost of logistics to support manufacturing industry
- 2. Greenhouse Gas (GHG) emissions savings
- 3. Reduction in road congestion and degradation of infrastructure
- 4. Reduction in the cost of **externalities including road accidents**



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BENEFITS OF TRANSFORMING TFR INTO A DIGITALLY-ENABLED BUSINESS THROUGH A DIGITAL PARTNER



1. Train Planning & Scheduling



- ✓ Generation of Train and Yard Plans will be optimised i.e. realistic and executable plans
- Real-Time visibility of assets including condition, location and performance
- ✓ Reduce unplanned crew overtime through optimisation of rostering by at least 5%
- ✓ Better management of inventory of auxiliary assets.

2. Yard Planning, Loading siding



- ✓ Real time
 management of
 loading and off loading activities
- ✓ Linking of siding activities with mainline Integrated Train Planning Tool (ITP).

3. Train Execution



- ✓ Reduce train cancellations by at least 15%
- ✓ Reduce waste by detecting sub-optimal operations and giving new insights on process opportunities
- ✓ Visibility of train tracking
- ✓ Faster reaction time
- Realtime rescheduling abilities

4. Track & Rolling Stock Maintenance



- ✓ Reduce unnecessary maintenance costs
- Move from Time
 based maintenance to
 condition based and
 predictive
 maintenance.

5. Train Offloading



✓ Better matching of offloading capacity with Train schedules.

6. Transaction Reconciliation and Billing



- ✓ Reduce claim disputes
- ✓ Maximize revenue
- ✓ Wagon and Consignment Track & Trace.

Source: Transnet Freight Rail, 2023

TFR QUICK WINS: MANGANESE

Manganese



_ (COMMODITY	DESCRIPTION	OVERALL BENEFIT	TIMELINE
	East London Manganese	 In a historic move, Transnet launches new service to export manganese ore through the port of East London. The project will enable: 4 additional manganese trains per week equivalent to 0,5 mtpa of export capacity for the industry Removal of 13 500 trucks off the roads p/a Optimal usage of the underutilized Port of East London Economic spinoffs include job creation and a major boost for the economy. 	 0,5 mtpa volumes ~ R1,1 bn in foreign earnings for the RSA fiscus 	30 June 2023
	Mamathwane Loop	Transnet creates additional 1,5mtpa of export capacity by extending the Mamathwane passing loop. The project will enable: 4 additional trains/ week equivalent to 1,5mtpa of export capacity for the industry Removal of 40 540 trucks off the road p/a Improved efficiencies through longer trains (125 wagons vs 104) to Saldanha	 1,5 mtpa volumes ~ R4,4 bn in foreign earnings for the RSA fiscus 	31 July 2023
	Cape Town	Transnet joins forces with Tshipi 'e Ntle Manganese to enable a multi million Rand investment in state-of-the-art security technology on the Cape Town channel. The project will enable:	0,5 mtpa volumes~ R1,1 bn in foreign	31 August 2023

· Reduced cable theft and infrastructure vandalism

Increased throughput through the Port of Cape Town

Increased capacity by an additional 0,5mtpa

Source: Transnet Freight Rail, 2023

• ~ R1,1 bn in foreign

earnings for the RSA

fiscus

TFR QUICK WINS: CHROME & MAGNETITE



TRANSNET

COMMODITY DESCRIPTION OVERALL BENEFIT TFR and CFM implement a new borderless train service that will see to improved

Borderless Trains To Maputo

regional integration and economic development.

The project will enable:

- Efficient operation of trains through reduced cycle times by eliminating border administrative delays
- Improved efficiencies by reducing cycle times by 3 hours per train, which is equivalent to 23% improvement.
- Increase of rail slots from 6 to 12 per day

· Improved regional integration

> Better asset utilisation

01 May 2023

TIMELINE

Longer trains to RCB and Maputo

TFR embarked on rail renewal, extension of loops and resignaling on the Selati line which increases magnetite and rock phosphate volumes by an additional 6,4mtpa.

The project will enable:

the increase of train length to 160 wagons

- 6.4 mtpa volumes
- ~ R12,9 bn in foreign earnings

31 April 2023

TFR QUICK WINS: RBCT EXPORT COAL



TRANSNE

_			
COMMODITY	DESCRIPTION	OVERALL BENEFIT	TIMELINE
Restore eroded	 Restored slot capacity previously eroded by deteriorated geotechnical conditions on the heavy haul export coal routes March – April 2023 The Ballast Tamping project has enabled: Improved efficiency and reduced cycle times by removing 17 speed restrictions over 253kms on the line Unlocked 1 additional slot per day, 2,8 million tons per annum The removal of 240 truck loads from the road per day (80 000 truck loads per annum) 	 2,8 mtpa volumes ~ R6,2bn in additional revenue to Industry 	13 April 2023 (Completed)
Infrastructure			
Capacity	Restore slot capacity by reducing processing times of loaded trains in Ermelo yard by replacing the Tubular track with conventional ballast line The Replacement of Tubular Track in Ermelo yard will enable: Increased capacity by reducing processing time of loaded trains by 2 hours per train Unlocked 1 additional slot per day, 2,8 million tons per annum Remove 240 truck loads from the road per day (80 000 truck loads per annum)	 3,0 mtpa volumes R6,63bn in additional revenue to Industry 	31 July 2023

TRANSNET CONFIDENTIAL INFORMATION

Source: Transnet Freight Rail, 2023

TFR QUICK WINS: OTHER COMMODITIES



TRANSNET

COMMODITY	DESCRIPTION	OVERALL BENEFIT	TIMELINE
CONTAINER	TFR is ramping up the number of slots from 15 to 42 between Johannesburg to Durban line for movement of containers and automotive after the refurbishment post the floods and the replacement of the stolen overhead traction electricity cables in the Ladysmith area. The project will enable: The restoration of 27 (from 15 to 42) rail slots by 02 July 2023 Improvement of volumes from the current annual tempo of 2,8m tons to 5,3m tons	 2,4mtpa volumes Enablement of multiple industries through imports and exports 	02 July 2023
	Increasing Iron Ore capacity via Saldanha by 4mtpa through rerouting iron ore emerging		

IRON ORE

miner slots to higher axle loading sites.

The project will enable:

- Increase in volume capacity by the equivalent of 2 additional trains per day for exports
- The freeing up additional slots for manganese reallocation
- The delivery of 60mtpa Iron Ore export volumes

4 mtpa volumes

 ~ R11 bn in additional revenue to Industry 30 June 2023



Wrap-up

Ms. Portia Derby Group Chief Executive, Transnet Soc Ltd



TRANSNET

REINVENTED TRANSNET



The Old Transnet



TFR

Monopoly Rail Operator



TE

Cost Centre of TFR (95% of TE revenue is from TFR)



TNPA

Last time they had a construction of significance = Ngqura



TPT

Monopoly in autos and containers



TPL

Multi- Product Pipeline from Durban to Gauteng Lease gas pipeline to Sasol



TP

Second largest properties as a cost centre













A New, Modern Enterprise

- 1. Infrastructure Manager
- 2. 3rd Party Access
- 3. Competitive, Dynamic
- 1. Component Manufacturer
- 2. Leasing Company
- 3. Operating in Competitive Space

Massive Construction Programme

- 1. Auto Terminal
- 4. Boegoebaai Port
- 2. LNG Terminal
- 5. Dredging of Durban
- 3. Container Terminal
- 6. Point Terminal
- 1. Competition in Container Terminals
- 2. Partners in DCT and NCT
- 1. LNG Pipeline
- 2. Accumulator Tanks in Durban
- 1. Property portfolio revalued to enable value based partnerships
- 2. Modernisation of own buildings
- 3. Property Developments in Partnership

TRANSNE

TRANSNET – WHAT'S KEEPING ME AWAKE?





SUSTAINABILITY

- 1. Liquidity When are we paid?
- 2. Agile and empowered staff Delegation of Authority has been cascaded within the organisation
- 3. Cost Reflective Tariffs Leads to a sustainable company
- 4. Getting the investments done Project implementation
- 5. Are we optimising our impact on the SA economy?
 - a) Inclusion
 - b) Jobs
 - c) Growth

Source: Transnet SOC





THANK YOU, ROLIVHUWA

