



The Lab recommended the following initiatives for Marine Transport and Manufacturing

A Infrastructure and operations	B Skills and capacity building	C Market growth
<ol style="list-style-type: none"> 1 Create supportive funding and revenue model 2 Establish purpose-built oil and gas port infrastructure by appointing Facility Operators – Saldanha Bay 3 Align on Implementation of government policy 4 Prioritise Transnet and TNPA funding allocation towards marine manufacturing 5 Maintain and refurbish existing facilities 6 Unlock investment in new and existing port facilities 7 Implement Strategic Prioritised Project – Richards Bay 8 Implement Strategic Prioritised Projects – East London 	<ol style="list-style-type: none"> 9 Train 2,550 TVET College graduates on an 18-month Workplace-based Experiential Learner Programme in scarce and critical trades over the 5 year period 10 Create dedicated Occupational Teams for MTM Sector (professional, trades, operators and seafarers) 11 Establish trade RPL, CBMT or Centres of Specialisation in Saldanha Bay and Richards Bay 12 Train 18,172 learners as artisans, semi-skilled workers and professionals over the next 5 years 13 Increase usage of ESSA system and targeted career awareness services as a high value recruitment tool for MTM 14 Increase capacity to develop skills for ~1,200 ratings and ~720 officers per year 	<ol style="list-style-type: none"> 15 Create and implement a public procurement and localisation programme 16 Develop a strategic marketing campaign and value proposition for target markets 17 Propose inclusion of preferential procurement clause in the African Maritime Charter 18 Support local registry of vessels through incentives and legislation of using SA-flagged ships for cargo and coastal operations (based on United Nations Conference on Trade and Development and African Maritime Charter guidelines)

i. TNPA – Transnet National Ports Authority
 ii. ESSA – Employment Services of South Africa
 iii. TVET – Technical and Vocational Education and Training

iv. RPL – Recognition of Prior Learning
 v. CBMT – Competency-based Modular Training



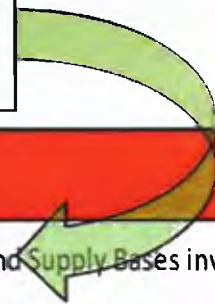
TNPA's immediate focus is on addressing infrastructure constraints

- A Infrastructure and operations**
- 1 Create supportive funding and revenue model**
- 2 Establish purpose-built oil and gas port infrastructure by appointing Facility Operators – Saldanha Bay**
- 3 Align on Implementation of government policy**
- 4 Prioritise Transnet and TNPA funding allocation towards marine manufacturing**
- 5 Maintain and refurbish existing facilities**
- 6 Unlock investment in new and existing port facilities**
- 7 Implement Strategic Prioritised Project – Richards Bay**
- 8 Implement Strategic Prioritised Projects – East London**

Immediate Impact on TNPA

2 5 7 8 These initiatives require capital investment over the next 5 years.

Initiative	Details
Initiative 2	Acceleration of identified ship/rig Repair and Supply Bases investments at the port of Saldanha
Initiative 5	Acceleration of the refurbishments of existing ship repair facilities under the control of TNPA
Initiative 7	Dredging at the port of Richards Bay to accommodate the introduction of a floating dock
Initiative 8	Refurbishment of the East London slip way to accommodate boat building





5. Maintain and refurbish existing facilities

Transnet SOC Ltd delivering on Operation Phakisa Initiative 5

REFURBISH EXISTING PORT (SHIP REPAIR) FACILITIES



Ship Repair Market Size

1. $\pm 13,000$ total ship calls at SA ports p.a.
2. Potential 2500-5500 ships p.a. for ship repair
3. Global demand for dry docks to increase at 13% p.a. from 2015 onwards
4. $\pm 33\%$ of bulk carriers, tankers and container ships are dry-docked p.a.

Major Project list

1. Replacement of cranes (CPT & DBN)
2. Replacement of floating dock (DBN)
3. Slip way and boat hoist (PE & MSB)
4. Construction of OSSB quay (SLD)
5. Upgrade of dry docks (DBN, EL & CPT)



Maintenance and Refurbishment of existing facilities : Durban

Project	14/15	15/16	16/17	17/18	18/19	19/20	Comments
Replacement of South side crane rail at Dry Dock		—————	—————				FEL 3: Project to be sanctioned in November 2015
Erect perimeter wall on north side of Drydock		—————					Completed
Repair of inner and outer caisson of Dry Dock	—————						FEL 4: To be completed in November 2015
Execution: Dockyard Lighting and Low Voltage Electrical Distribution Upgrade		—————	—————				Completed
Welding Equipment Set for Shop 24		—————					Project Awarded
Drydock Jib Cranes			—————	—————			FEL3: Project to commence in 2016/17. Feasibility completed
DURBAN Drydock 6 Tons Forklift		—————					Project awarded
Drydock Compressors		—————					FER: Finalizing business case
Upgrade of Floating Dock			—————				FEL3: Completed. FEL 4 to commence in 2016/17
Feasibility: Upgrade of Dockyard Infrastructure (E&M)			—————	—————			FEL3: Completed. Work breakdown structure finalized. FEL 4 to commence in 2016/17
Execution: Upgrade of Dockyard Infrastructure (E&M)					—————		
Repair Concrete works in the Dock		—————					FEL4: Project Sanctioned. Tender phase.



Maintenance and Refurbishment of existing facilities : Cape Town and Mossel Bay

	Project	14/15	15/16	16/17	17/18	18/19	19/20	Comments	
CAPE TOWN	Refurbishment of Sturrock Drydock		_____					FEL 3: To be awarded in November 2015	
	Refurbishment of Robinson Drydock		_____					FEL 3: To be awarded in November 2015	
	Refurbishment of Synchrolift	_____							FEL 4: in execution
	Replacement of water circulating pumps at Sturrock dry dock	_____						To be awarded in August 2015	
	Replacement of 10 cranes for Ship repair		_____						FEL 3: Completed. To be awarded in November 2015
	Widening and lengthening of Repair quay		_____						FER : Project cancelled
MOSEL BAY	Refurbishment of Cradle & Side Slipway			_____				Projects only commencing in 2016/17	
	Reconstruct lead-in jetty to slipway					_____			
	Slipway upgrade				_____				



Maintenance and Refurbishment of existing facilities : East London, Port Elizabeth and Saldanha Bay

TRANSNET



Building stronger relationships

	Project	14/15	15/16	16/17	17/18	18/19	19/20	Comments
EAST LONDON	Refurbishment of Graving Dock + Refurbish Pumps	_____						PHASE1 (Switchgear) : Execution PHASE2 (Refurbish & Upgrade) : Award November 2015
	Refurbishment of Slipway Area	_____						Execute as private sector investment
PORT ELIZABETH	Replacement Lead-in Jetties slipway	_____						Execution: to be completed in 2017
	40 ton Slipway Refurbishment (Feasibility & Execution) New 100t hoist	_____						Execution: to be completed in 2016
	Modifications of 1200 ton slipway cradle	_____						Execution: to be completed in 2017
SALDANHA	Refurbishment of Rock Quay (GM Quay area) Feasibility &	_____						Execution: to be completed in 2015/16





2,7 & 8 NEW FACILITIES :PSP



Advancing Rights, Restoring Dignity

TRANSNET



ARCHIVE FOR JUSTICE



Operation Phakisa Projects (Initiatives 2,7,8) : Overall Scope

Project	Objective	Estimated Co-funded investment required	Estimated Jobs created	Estimated GDP Contribution
Saldanha Bay Oil and gas repair and supply base facilities	Establishment of port facilities to service the Offshore Oil and gas industry within the Port of Saldanha	R10bn	25 500	18bn
Richards Bay Ship repair facilities	Development of a cost effective ship repair facilities within the Port of Richards Bay	R890m	2520	TBC
East London boat building facilities	Development of the required infrastructure to be a catalyst for the establishment of boat building in the Port of East London	R515m	500	TBC

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INSTALL A FLOATING DOCK - RICHARDS BAY (PSP)

Before



After



Transnet SOC Ltd delivering on Operation Phakisa Initiative 2

OFFSHORE SUPPLY BASE AND MOSGASS QUAY-SALDANHA (PSP)

Before



After



Transnet SOC Ltd delivering on Operation Phakisa Initiative 8:

BOAT BUILDING FACILITY – EAST LONDON (PSP)

