

TRANSNET



delivering freight reliably



South African Ports Innovation

27 August 2015



CONTENT



1

BACKGROUND

2

IPMS

3

STAKEHOLDERS

4

SCOPE & FOCUS AREAS

5

OBJECTIVES

6

BENEFITS

7

IPMS ROADMAP

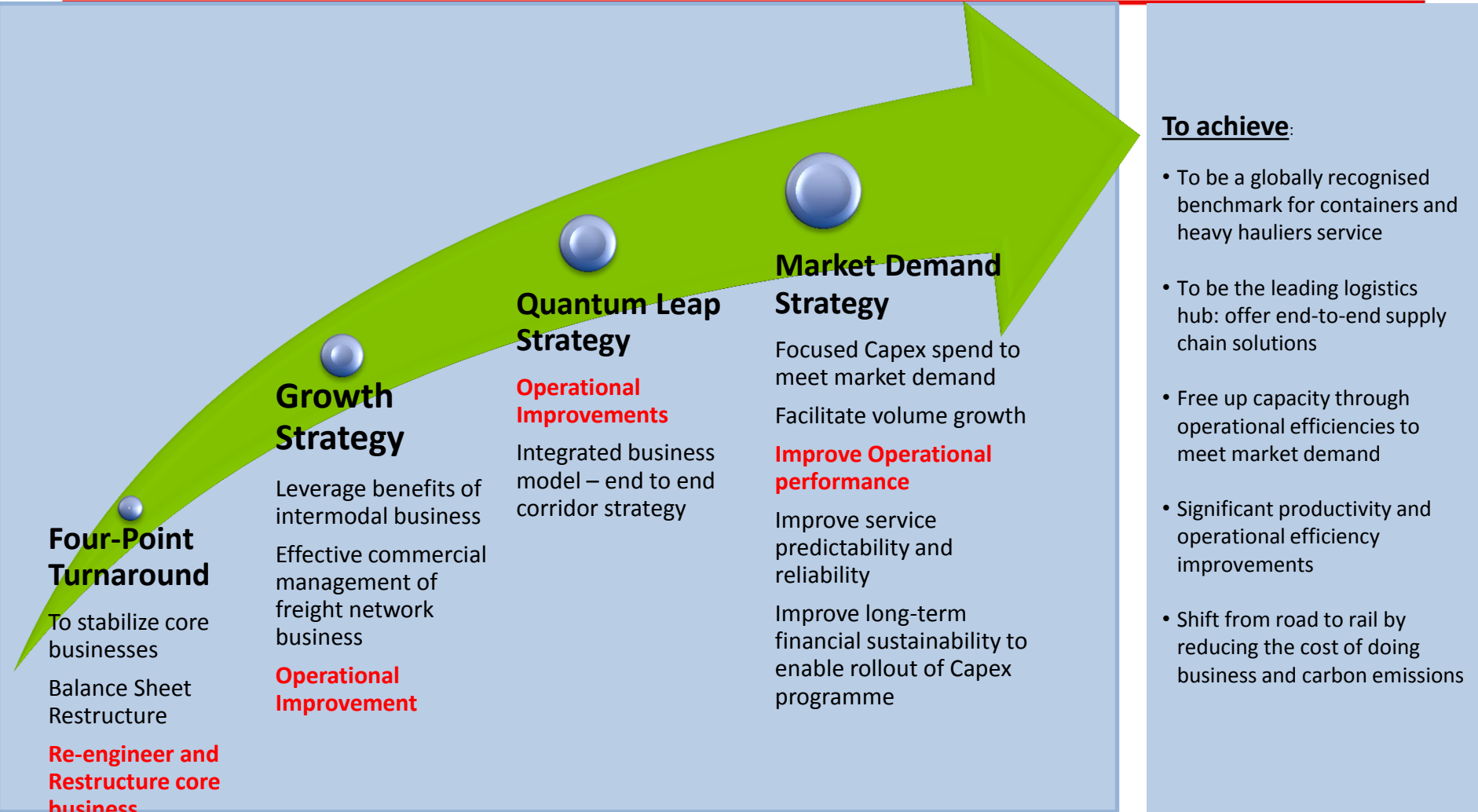
8

QUICK FACTS





1. BACKGROUND - Journey To MDS





Conceptual Framework for Integrating the Logistics Operations

Concept

Real-time Integrated View of S.A. Transport Logistic Chain – thereby creating a holistic interchange of information between all Role Players

Strategic Intent

Making South Africa More Competitive by Reducing Transport Cost Through Improving the Efficiency and Reliability of the Transport Logistics Chain

Vision

To be World Class Operations that integrate **Sea, Port, Pipeline, Rail and Road** Operations

Mission

To Lead the Efficient & Reliable Movement of Cargo Through South African Ports

Value Proposition

A World Class Logistics Operations that proactively provides Integrated Real Time Information to Drive Decisions that lead to a more Efficient & Reliable Transport Logistics Solution for South Africa



2. IPMS

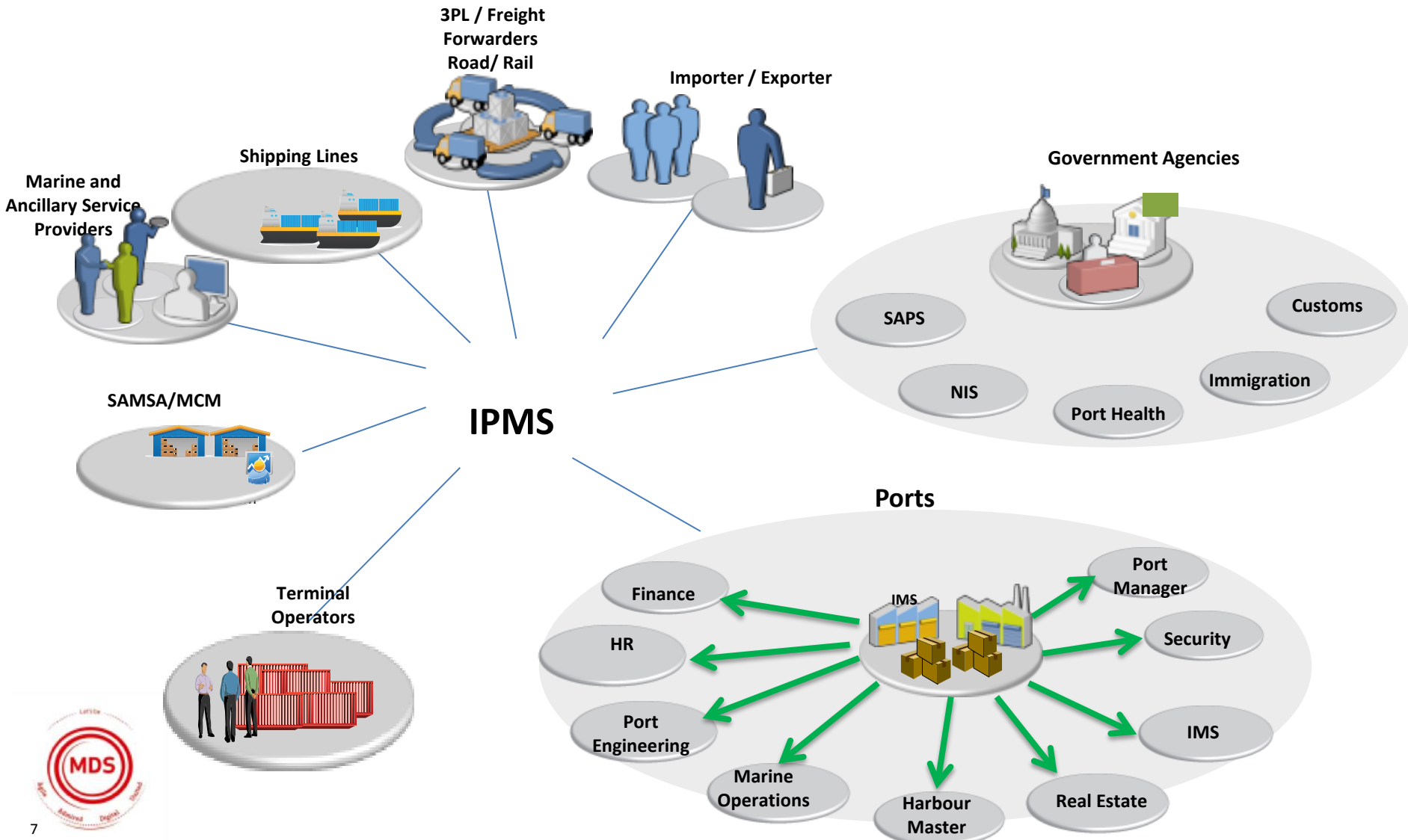


INTEGRATED PORT MANAGEMENT SYSTEM (IPMS) is a web-based integrated system that will automate the marine and port operations of its eight commercial ports and, in addition, provide near real-time access to operational information on a single platform towards delivering improved service to our customers and stakeholders leading to improved port performance.



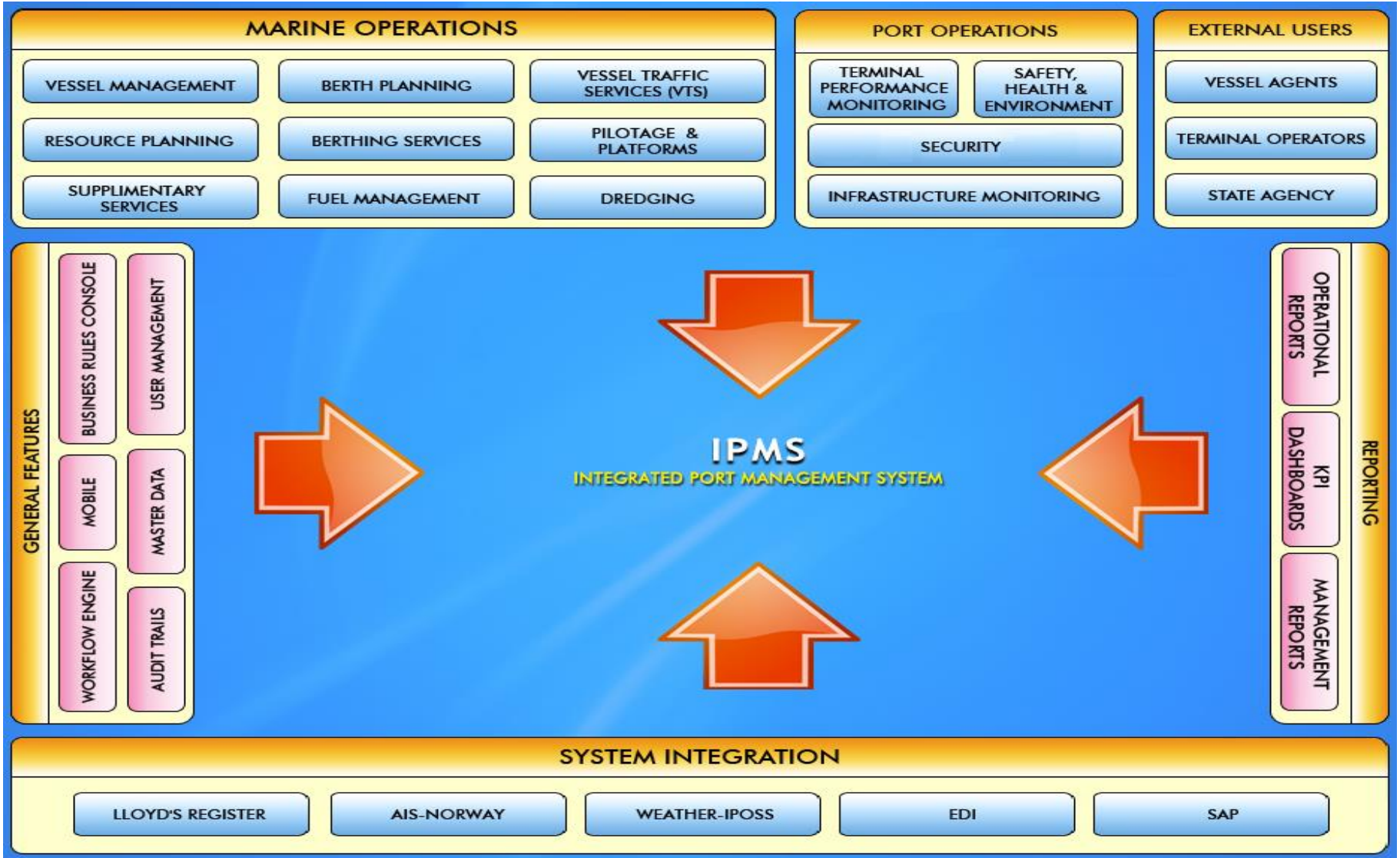


3. STAKEHOLDERS





4.1 IPMS CURRENT SCOPE





4.2 KEY FOCUS AREAS

KEY FOCUS AREAS

MARINE SERVICES

- On-line Services & Supplementary Services Requests
- Voyage Management
- Automated Vessel Scheduling
- Automated Slot system
- Automated Berth Planning
- Real-time anchorage and port layout visuals
- Automated Resource Deployment – Pilots, Tugs Berthing gangs, Helicopter & Workforce
- Fuel Consumption Management
- Automated work-flow approval
- SMS/E-mail Notifications of events

PORT OPERATIONS

- Port performance KPI's (Daily, weekly, Monthly)
- Automated Access and Permits application
- Incidents capturing / reporting
- Terminals Performance
- Infrastructure (Berths) availability monitoring
- Port permits access management
- License Operator Management

INTERGRATION

- Terminal operator systems
- Rail Systems - integrated train plan & train monitoring
- Weather & Tide Information (IPOSS)
- AIS/VTMS
- SAP ERP
- Lloyds register
- Mobile technology

WEB BASED TECHNOLOGY PLATFORM





6. IPMS BENEFITS





7. IPMS ROADMAP

We are here

PLANNING Apr – Oct 2013	BLUEPRINT Nov 13 – May 14	DEVELOPMENT Jun 14 – Jan 15	IMPLEMENTATION Feb – Jun 15	GO-LIVE June – July 15	PROJECT ROLL-OUT Aug – Nov 15	PROJECT CLOSURE Dec 15
<ul style="list-style-type: none"> • Team Mobilisation • Post Tender Negotiations • Contract Sign-Off • On-Boarding Session • Project Documentation • Project Launch & Kick Off 	<ul style="list-style-type: none"> • Requirements Gap Analysis • Development Environment setup • Internal / External Awareness Roadshows • QAS environment setup • Leadership Assessment Interviews • Architecture & Design • Knowledge Transfer Plan 	<ul style="list-style-type: none"> • Development & Customization • Training Curriculum Development • Testing & Bug Fixing • Mobility Infrastructure • QA readiness assessment • Knowledge Transfer • Role Impact Analysis • Pilot site Readiness • Development Deployment 	<ul style="list-style-type: none"> • Stakeholder engagements • QA deployment • User Acceptance Testing (UAT) • UAT Bug Fixing • Production Deployment • Train the Trainer training • End-User Training • Go-Live Preparation • Pilot Readiness Assessment • Go/No-Go Decision 	<ul style="list-style-type: none"> • Pilot site Go-live • Hand Holding & Support 	<ul style="list-style-type: none"> • Cape Town • Saldanha Bay • Richards Bay • Port Elizabeth • Ngqura • East London • Mossel Bay 	<ul style="list-style-type: none"> • Lessons learned workshop • Project hand-over meeting • Project close-out report

Change Management / Quality Management

Training





8. QUICK FACTS

- 24/7 Web access
- Online submission of arrival notifications
- Online marine service requests
- Online supplementary service requests
- Visibility of the slot system
- Online dry dock applications
- System notifications via e-mail and short message system (SMS), online chat
- Operational reports
- Increased transparency of the business
- Streamlined operations and increased business insight
- Sharing of general ports information

- **Registration Process – Port of Durban -100 Agents Registered – 114 Arrival Notifications Captured as at 20 Aug.15.**
- **Port of Cape Town & Saldanha IPMS roll out on 26 August 2015**



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THANK YOU