

# **Land and Maritime Logistics and SCM challenges.**

**Experiences in Zambia, Namibia and Southern  
African Countries**

Professor: Eugene Madejski  
Namibia University of Science & Technology.

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Subject: FW: FW: Vic Falls pic taken 16/09/2015

**Subject:** Vic Falls pic taken 16/09/2015

This is a scary sight!



# Land Logistics

## Land Logistics

- It extends the delivery services for air and maritime from airports and seas
- Main transport modes are railway transport, road freight transport and pipeline transport

### **Railway transport**

**Advantages** - High carrying capacity, lower influence by weather conditions, lower energy consumption

**Disadvantages** - High cost of essential facilities, difficult and expensive maintenance, lack of elasticity of urgent demands, and time consumption in organizing railway carriages

### **Road transport**

**Advantages** - cheaper investment funds, high accessibility, mobility and availability

**Disadvantages** - low capacity, lower safety, and slow speed

### **Pipeline transport**

**Advantages** - high capacity, less effect by weather conditions, cheaper operation fee, and continuous conveyance

**Disadvantages** - expensive infrastructures, harder supervision, goods specialization, and regular maintenance needs

To improve the land transport in efficiency and reliability, a revolution of transport policies and management is required; e.g. pricing.

# Newly widened road Lusaka.



# Chronology of change ... Corridors:

- } **2005** UNCTAD convenes first bilateral cluster meetings between Namibia and Zambia.
- } Two simultaneous shipments made by the automotive component manufacturers association:
  - Gauteng-WalvisBay-Europe
  - Gauteng-Durban-Europe

*Confirms that Trans Kalahari is shorter and faster.*
- } **2006** Namibia and Zambia border posts are automated using ASYCUDA++ system.

# Chronology of change ...

- } **2009** 3 days transit time achieved to Zambia from the Port of Walvis Bay via Trans-Caprivi corridor.
- } Walvis Port productivity at 40 moves per hour.
- } **2011** WB productivity reaches 43 moves p.h.
- } Transnamib invest in refurbishment of the railway along the TransKalahari corridor.
- } **2013** Logistics Hub concept for Namibia.
- } Logistics one of the four key economic priority areas for the NDP 4.

# Livingstone /Zimbabwe border Road and rail bridge.



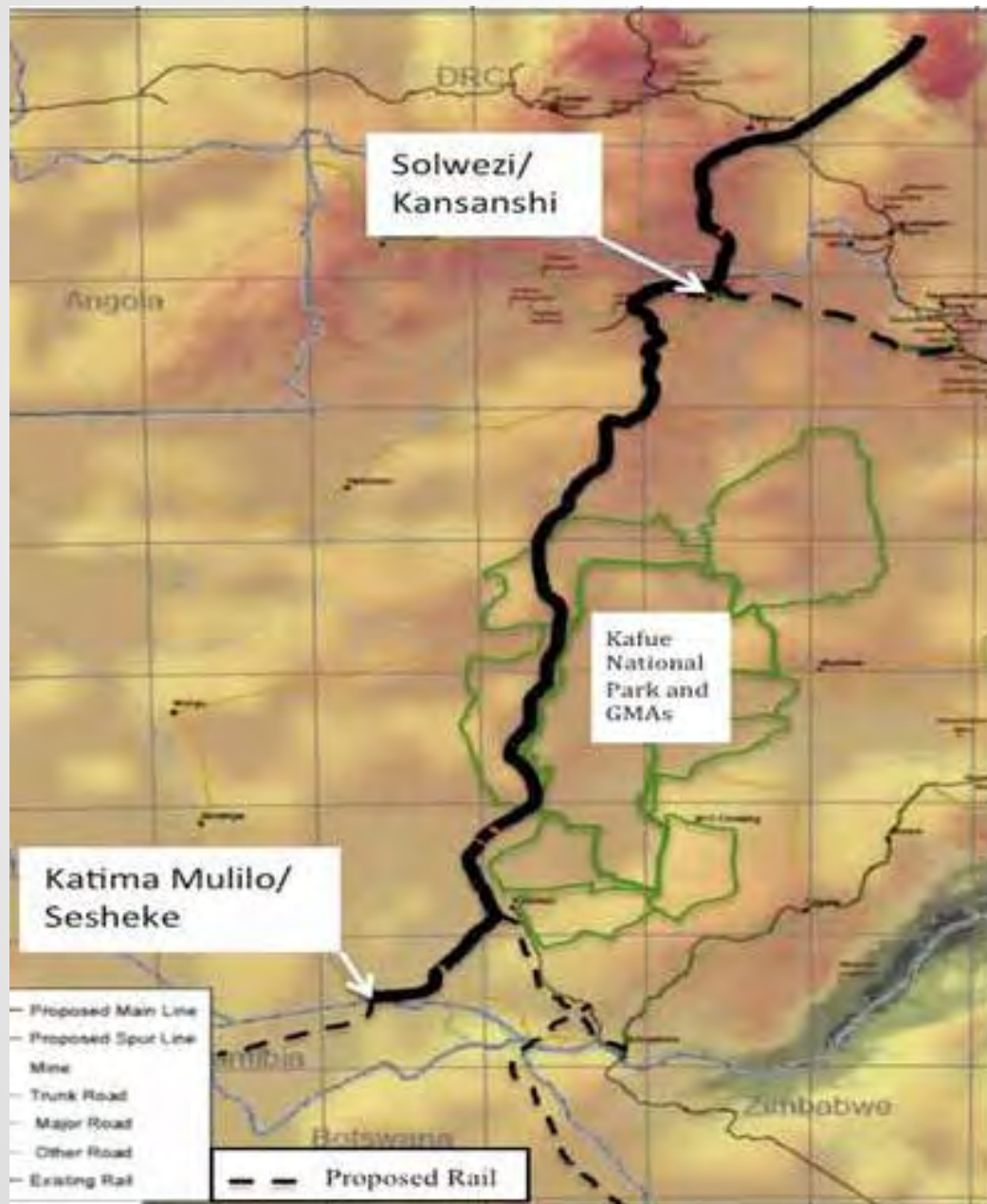


# Fit for purpose ?



# New DRC – Namibia railway.

- } Epinsan Consortium Zambia Limited, a private Zambian registered company agreement:
- } The member states of the Walvis Bay-Ndola-Lubumbashi Development Corridor (WBNLDC), comprising of Namibia, Zambia and the Democratic Republic of Congo (DRC) will soon be linked by rail.



# Maritime Logistics

- } Maritime transport plays a vital role in global supply chains.
- } The most recent Review of Maritime Transport published by United Nations Conference on Trade and Development (UNCTAD), notes that 80 per cent of global merchandise trade by volume are carried by sea and handled by ports worldwide
- } With global seaborne trade reaching over 9 billion tons in 2012 for the first time.




Plans to increase the utilisation of the Walvis Bay Corridors, expansion of the Ports of Walvis Bay and Luderitz to and from southern Africa.

# Maritime Challenges

- } low freight rates for containers and bulk cargoes,
- } soaring bunker fuel prices, and
- } issues of environmental sustainability
- } Carriers, port operators, freight forwarders and shippers, as the main players in maritime logistics, have taken steps to address these challenges.

# Steps to address the Maritime challenges

- } Container shipping lines have implemented “slow steaming” to save fuel (“bunker”) and absorb excess capacity.
  - } Port operators have adopted advanced hard and soft technologies (*infrastructures*) to efficiently handle increasingly large loading and unloading requirements,
  - } provide effective intermodal connections with expanding port hinterlands, and move toward more sustainable ship and port operations (the “green port” concept)
- 

# Nothing remains constant ...


} Passing through the Suez Canal does not come cheap:

**For the largest vessels, a two-way journey costs a reported \$1.25 million.**

But that is still less than the extra fuel and time-related expense it would cost to sail the alternative route – thousands of miles around the Cape of Good Hope in southern Africa.



# ... however ....

- } With the current glut of oil production and lack of demand, there is the challenge of oil tankers reaching Europe/Rotterdam with port offloading back logs.
  - } Oil tankers are currently using the Cape sea-route to take extra time slow steaming (whilst also avoiding the Suez canal transit fees).
- 

**FIT FOR  
PURPOSE?**



# Kasumbalesa border Zambia /DR Congo.



# Kazungula Pontoon crossing at Botswana /Zambia border



} 'there are lies ....'

} 'there are *damned* lies ....'

}... and there are

o

***STATISTICS* !!**

# Kms. vs. time / reliability

} Distances to Lusaka ....

From:

} Durban - 2,380


} Walvis Bay - 2,050

} DSM - 2,000

} Beira - 1,054



# PEOPLE ...

- } The CHALLENGE REMAINS the lack of fully TRAINED AND EXPERIENCED staff.
  - } Professional CPD ? ... or University trained?
  - } A dichotomy exists between people being trained ... Bachelors in Logistics and SCM .. and matching with employers.
  - } Fifty percent of our graduates are unemployed, and of the employed less than 50 percent are in 'permanent' employment.
- 

# Professional programmes: Zambia:

} CILT Chartered Inst. Of Logistics & Transport.

} CMILT 30

} STUDENT NUMBERS 266

} CIPS Chartered Inst. Of Procurement & Supply.

?


# Professional programmes: Botswana:

- } CILT Chartered Inst. Of Logistics & Transport.
- } N/A
- } CIPS Chartered Inst. Of Procurement & Supply.
- } MCIPS 130
- } STUDENT NUMBERS 1,300

# Professional programmes: Namibia.

- } **CILT Chartered Inst. Of Logistics & Transport.**
- } Launch Nov. 2015
  
- } **CIPS Chartered Inst. Of Procurement & Supply.**
  
- } MCIPS 4
- } STUDENT NUMBERS 56

# Namport Chair in Logistics.

- } A professorial chair in logistics has been sponsored by Namport.
  - } Since 2013.
  - } Still vacant !
- 











# Thank you ....

- } Nyanja: *Zikomo,*  
*Zikomo Kwambiri* (*thank you very much*)
  - } Lozi: *N'itumezi*
  - } Bemba: *Zikomo*
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