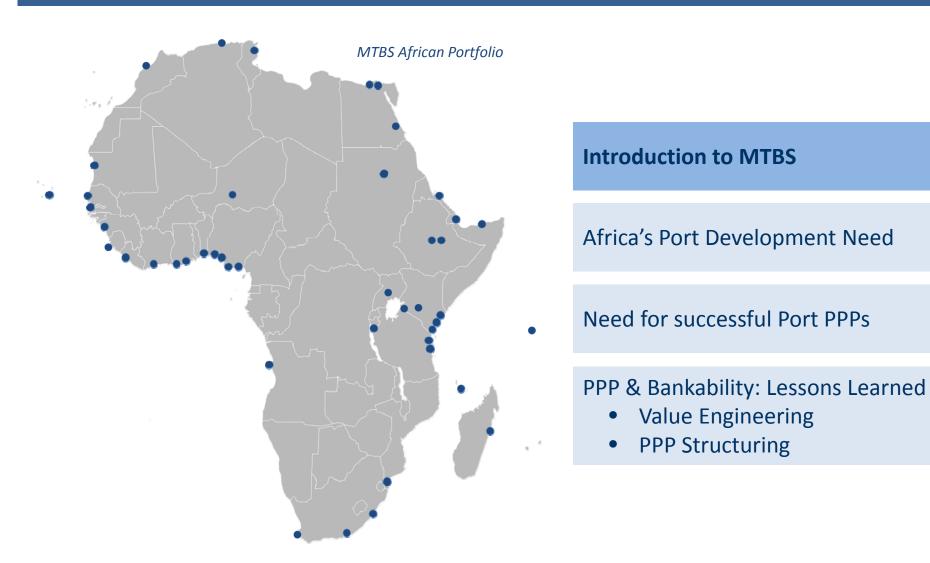


17th Intermodal Africa, 19 April 2017

maritime & transport business solutions

# **Agenda**

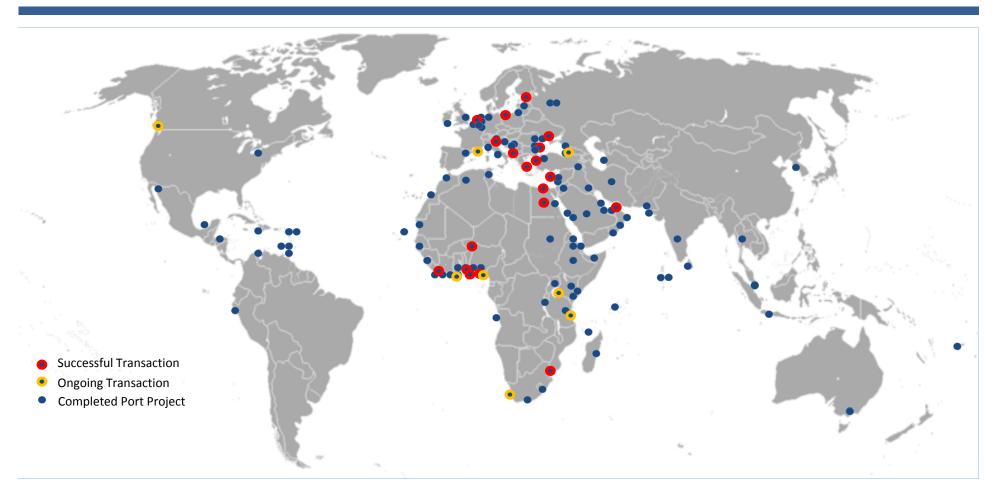




# **MTBS: Maritime & Transport Business Solutions**



Specialized in Port PPP Projects. Global Portfolio, focus on EMEA Region



Significant Portfolio Size -

50 Port Projects per Year

**Diversified Portfolio** 

Broad Client Base -

Strong Home Market - International Focus

# **MTBS: Maritime & Transport Business Solutions**

Global leader in port transaction advisory



#### MTBS' Focus on Afcrica

#### Dar es Salaam Somaliland Tanzania Somaliland 65 Mn USD 83 Mn USD Ibom Kisumu Nigeria Kenya 1,750 Mn USD 40 Mn USD Takoradi Saldanha bay Ghana South-Africa 992 Mn USD 400 Mn USD

#### MTBS' services

- Global Leader in Port Business Advisory
- Long track record of closed 4P
- International Sector Focus

April 2017



#### MTBS' Clients in the Port & Infrastructure Sector































HELLENIC REPUBLIC ASSET



دك ومية أب وظيو.













PORT METRO Vancouver





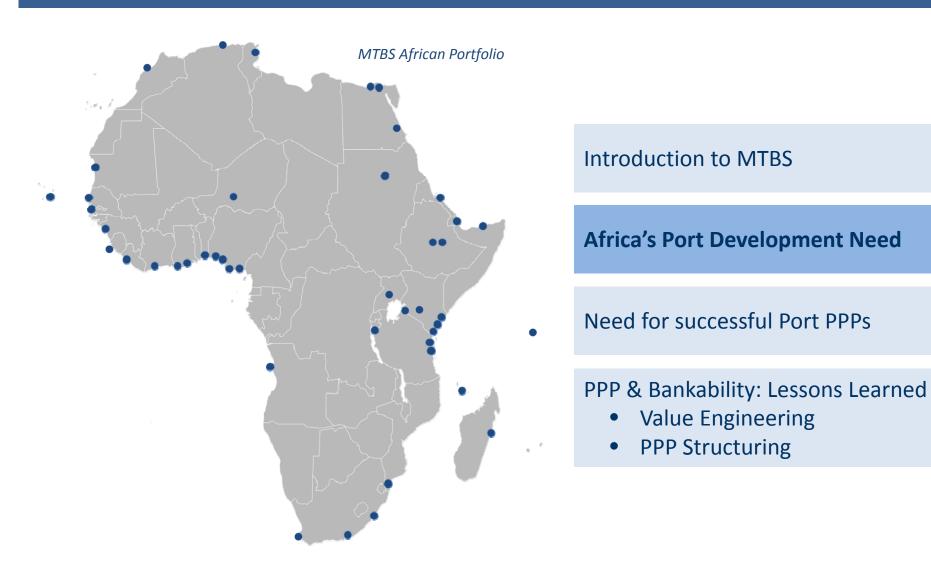






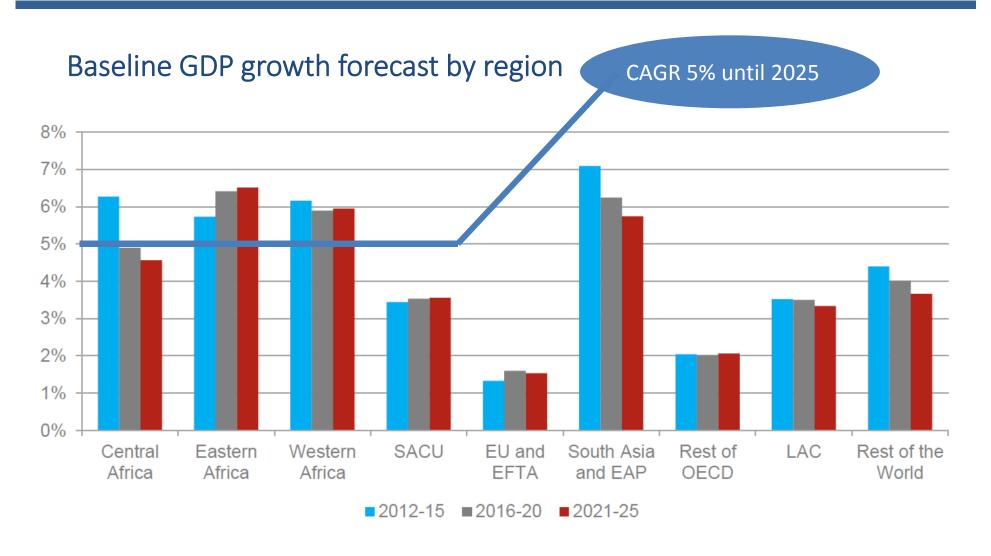
# **Agenda**





# **Strong GDP growth forecasted in Africa**



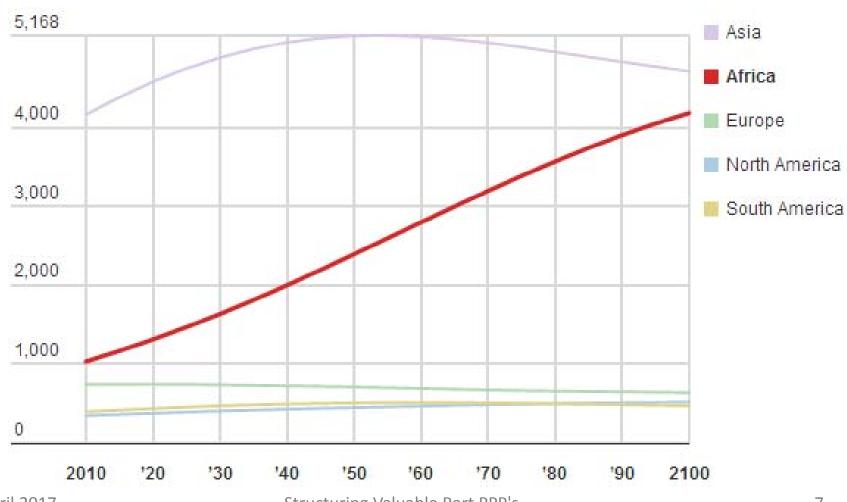


# Strong population growth in Africa

Outcomes from the U.N. Panel on Population



# Predicted population by continent in millions, 2010-2100

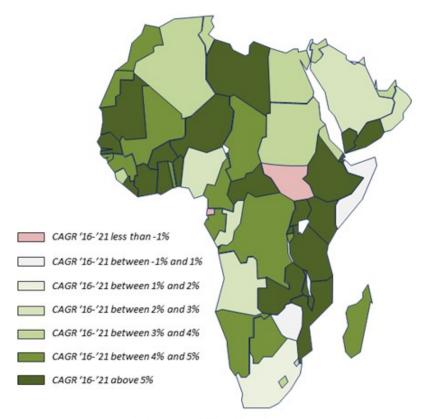


# Strong growth on African continent forecasted

Attractive Market Potential in Emerging Markets

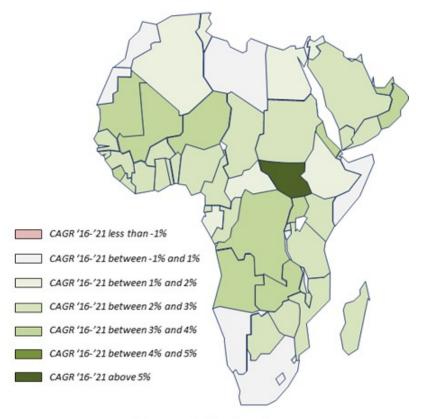


#### GDP Growth Outlook: 2016-2021



#### Source: IMF World Economic Outlook (October 2016)

#### Population Growth Outlook: 2016-2021

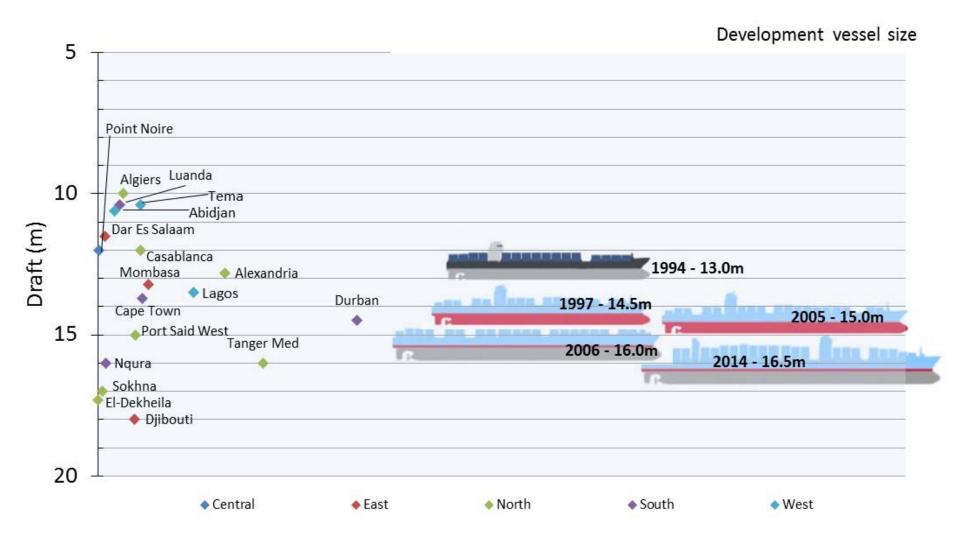


Source: IMF World Economic Outlook (October 2016)

# Ports need to accommodate larger vessels



Current port dimensions in Africa are no longer adequate...

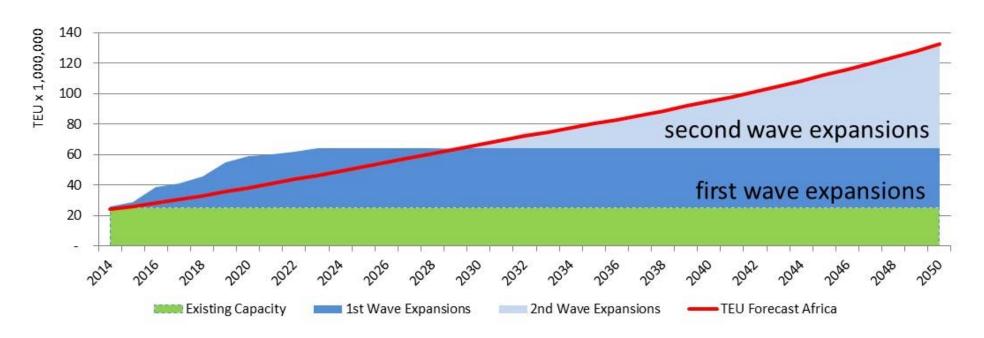


# **Growth: Capacity vs Demand**

Africa: Substantial investments in ports required on medium/long term



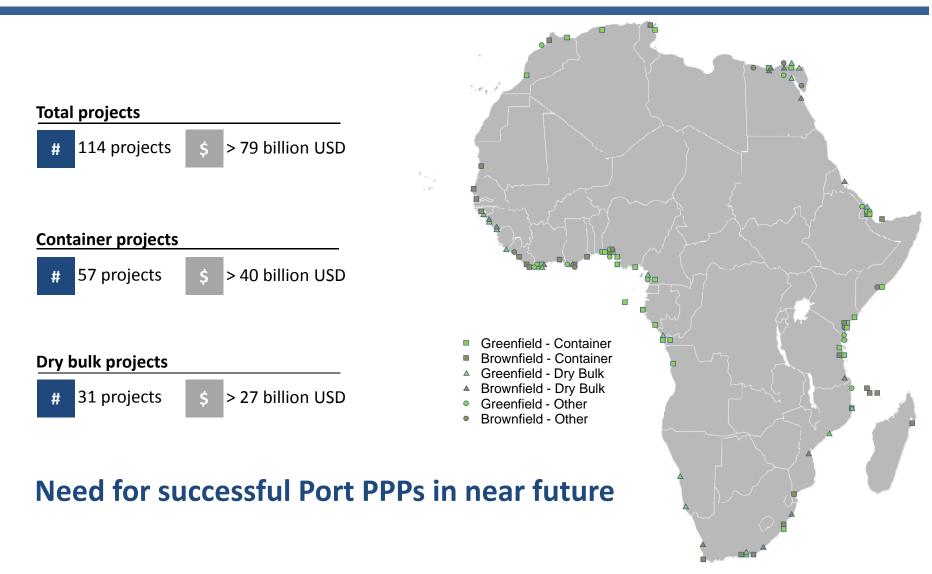
- Container demand increasing to 130 mTEU (2050)
- Existing Capacity: appr. 30 mTEU
- 1<sup>st</sup> Wave Expansions: appr. **35 mTEU**
- Capacity Gap by 2030 (requiring 2<sup>nd</sup> Wave Expansions): appr. 65 mTEU



## MTBS identified a large number of planned projects

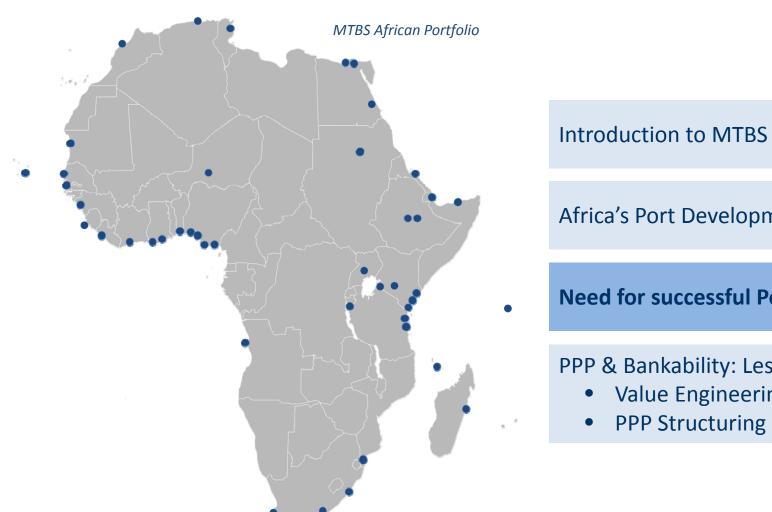
First wave of port expansions: 35 mTEU in coming decade





# **Agenda**





Africa's Port Development Need

**Need for successful Port PPPs** 

PPP & Bankability: Lessons Learned

- Value Engineering

# Why Port PPP Implementation?



- Risk management: private parties better positioned to handle specific risks (e.g. market risks, operational risks, construction risks)
- Reduce burden on public budgets: tool to finance large scale port projects
- Increase operational performance of terminals

## PPPs are not 'one-size-fits-all'



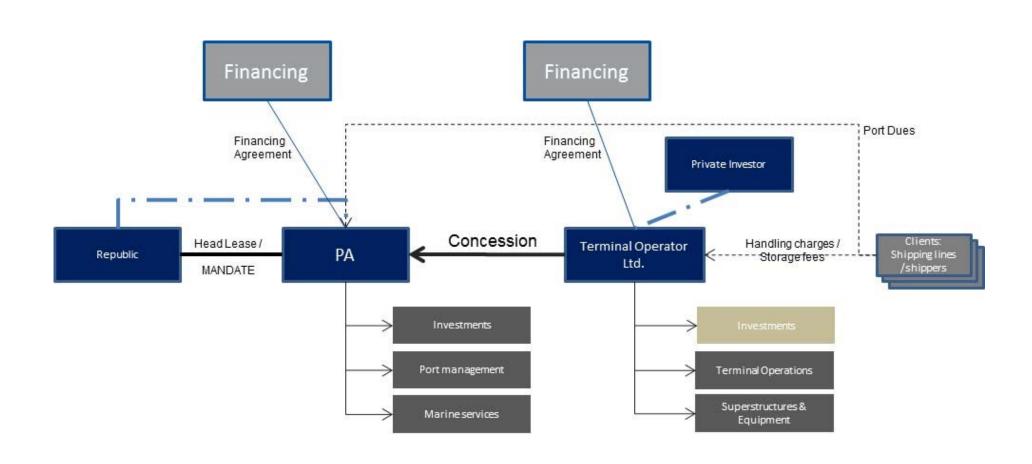
A number of high profile PPPs have been delayed or cancelled in Africa

- Public authorities and Investors should embrace the tailor-made nature of PPPs
- Tendency to shift a large degree of risks and investments to the private side
- Hastily or insufficiently prepared PPPs
- Result: A number of high-profile Port PPP Projects have been delayed or cancelled in Africa

### **Basic PPP structure in Ports**

Optimal allocation between public and private responsibilities Bankable and enforceable concession agreement

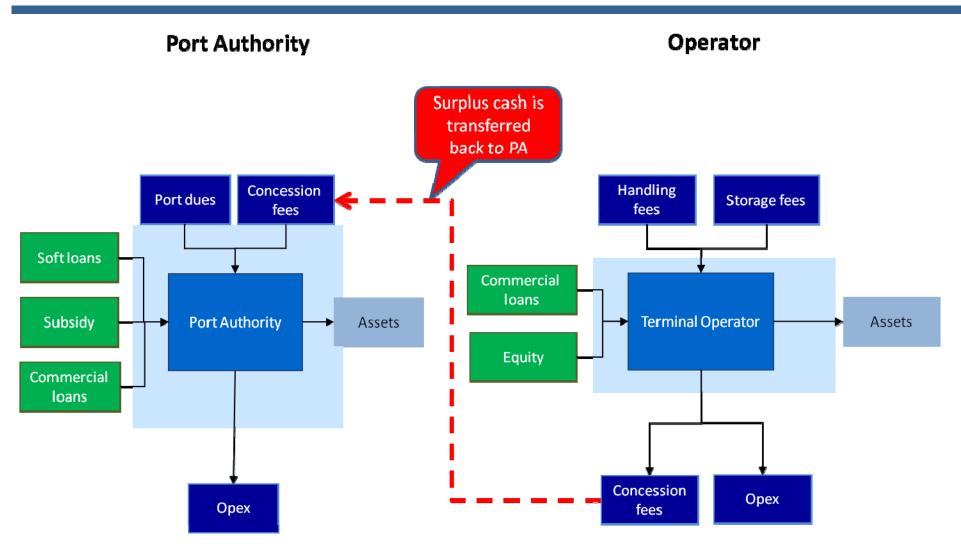




### Value of the PPP



The better the PPP structure, the more value there is to divide...



# **Business Case driven PPP Implementation**

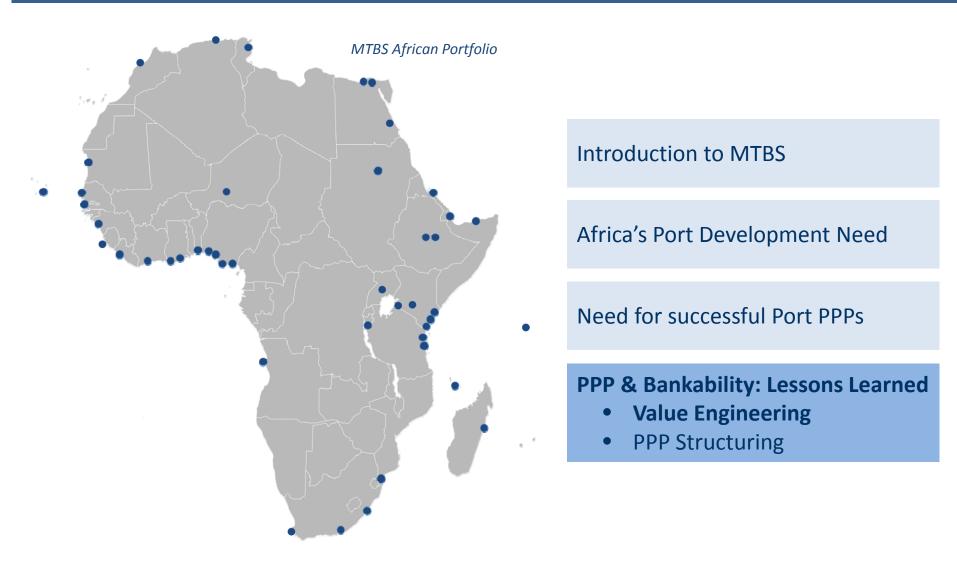
Use of financial model is key





# **Agenda**



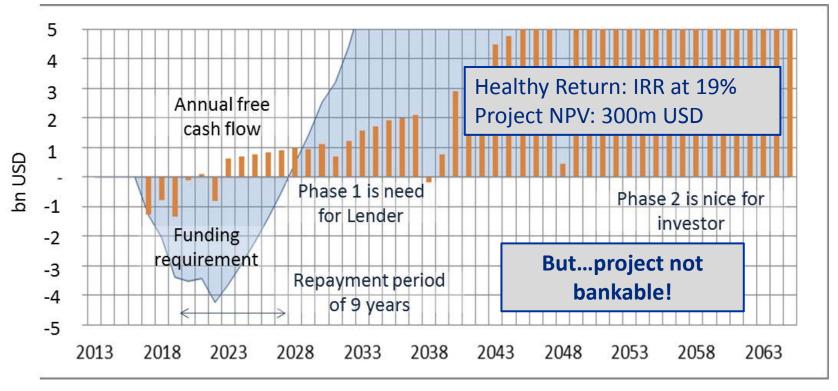


## **Bankability: Early Awareness is Critical**

Feasibility does not always imply Bankability



- Magnitude of the funding requirement
- Duration and risks associated with construction period (here first 3 years)
- Ramp-up period for revenues leads to long pay-back period



## **Value Engineering: Reduction of Phase 1 Capex**

**Increase DSCRs** 



#### **Phase 1 Capex is essential for bankability:**

- while Project Feasibility may be attainable with a high Phase 1 Capex
- DSCRs are often too low when Project (Phase 1) is over-dimensioned.

Critical questions to be asked in order to ensure optimal Phase 1 Capex:

- Breakwater & access channel design:
  - o Is it possible to phase construction of the breakwater?
  - o Is it possible to start with a one-way access channel?
  - o Is it possible to achieve a balance in sand-usage?
- Terminal dimensions (Phase 1):
  - o Tailored to Phase 1 market demand?
  - Options for expansion in future?

## Value Engineering: Reduction of Project Lead-Time

Early revenue generation



### Important aspects for ensuring early revenue generation:

- Reduce Phase 1 Scope: over-dimensioning of ports does not only create a
  high capex, but also increases the lead-time of a Project;
- **Phased Handover:** in case of multi-berth terminals, a phased handover can provide an **opportunity for early revenue generation**.

### Early revenue generation should also be supported by effective Contracting:

- Clear Timelines with longstop dates: Grantors, Concessionaires and Contractors should have a firm timeline for Project Development
- Include Penalties where relevant: delays should be compensated via penalties/liquidated damages

## Value Engineering: Capacity in line with Demand

Demand/Supply basis for long-term development plan

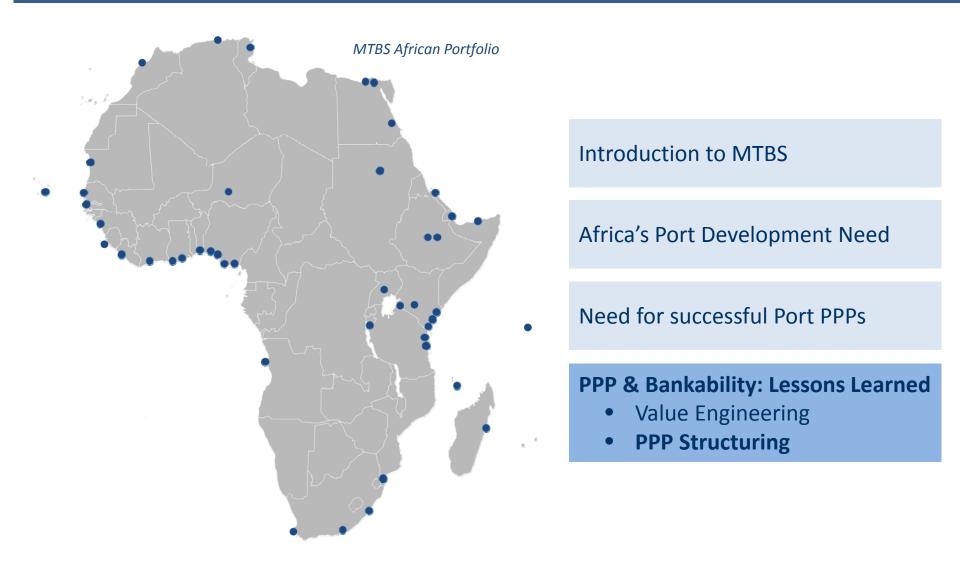


#### **Demand/Supply is always the basis for Port Development:**

- Capacity in line with Demand: improves bankability and equity returns
- First exhaust existing Assets: Development of greenfield initiatives is only sensible when potential of existing assets is reasonably exhausted
- Port Capacity supply does not stop at Port's Boundary:
  - Hinterland connections are increasingly important
  - Lock-in of Public Authorities to support the Project's development is essential

# **Agenda**

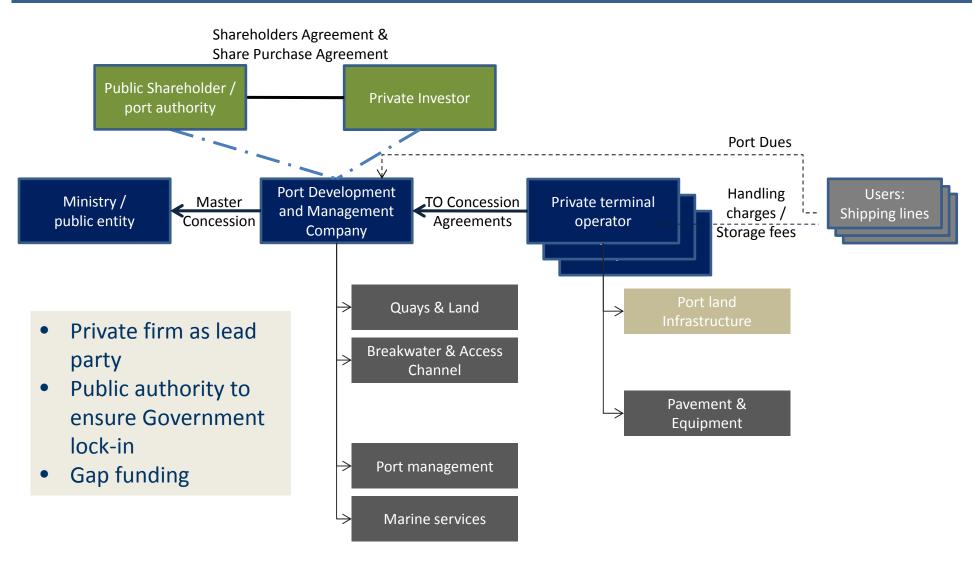




## **PPP Structuring: tailor-made Port PPP Contracts**



Various innovative PPP structures have been developed in recent years



## **PPP Structuring: Risk-Adjusted Returns**



Shift in risk allocation should lead to a shift in distribution of returns

Risk allocation is the primary determinant for the required return of a Project.

**Risk-Adjusted Returns often neglected:** 

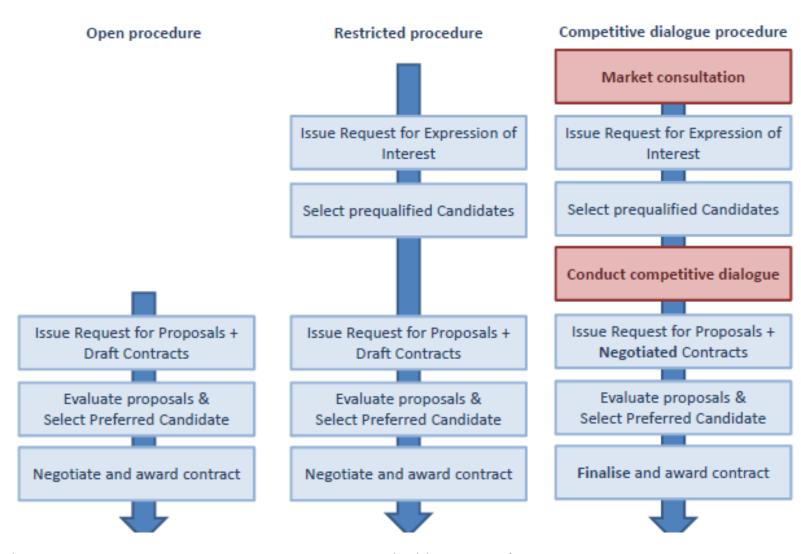
- Grantors push away risks: Concession Grantors are often interested to allocate a share of the risk to the concessionaire
- While maintaining the same return requirement: Concession Grantors expect a similar return for a Project with lower overall risk

A shift in the risk allocation within the PPP contract should always lead to a shift in the distribution of returns of a Project.

## **PPP Implementation: Early Market Involvement**

Early involvement of bidders to optimize deal structure





### **Structuring Valuable Port PPPs**

#### **Conclusions**



- Early market involvement of bidders creates highest value
- Tender should be business case driven:
  - o Focus on *long term value* rather than *closing the deal*.
  - Feasible Business Case for both PA and TO translated into valuable
     concession contract
- Concession contract: Valuable, Enforceable and Bankable
- Transaction Preparation Phase is Crucial:
  - PPP Structuring: Valuation, Risk Allocation and Value Engineering and
     Documentation
  - Transaction Management: First Time Right and Commit to Timelines



### THANK YOU FOR YOUR ATTENTION

### **PLEASE CONTACT US**



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maritime strategy & finance advisors

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