





13th ASEAN Ports and Shipping, Indonesia

**June 2015** 

maritime & transport business solutions

### Agenda





Introduction to MTBS

ASEAN Market & Port Developments

**Need for Tailored PPPs** 

#### Appendix:

- Relevant International Experience
- MTBS Transaction Methodology

### MTBS is a leader in port business advisory services ....



- MTBS is a leading international finance and strategy advisory firm in the maritime & transport sector
- Based in Rotterdam
- Independent
- MTBS specializes in ports and terminals
- The firm's value proposition: "4P: innovative solutions for Port Public Private Partnerships"

#### Strategy

Value & Business Strategy
Port Sector Reform
Port Policy
Public Private Partnerships
Institutional & Regulatory Change
Organizational Reform & Alignment

Financial Structuring
Project Finance
Due Diligence
Procurement of Finance
Investment / Divestment
Merger & Acquisition



#### Valuation

Value Creation & Protection
Financial Modeling and Analysis
Feasibility
Project Structuring & Packaging
Business Case
Risk Valuation, Allocation, Mitigation

Transaction Strategy
Transaction Management
Documentation & Contracts
Tendering & negotiated Solutions
Financial Solutions
Legal Solutions

**Transaction** 

#### **Financing**

### MTBS is a global leader in port transaction advisory services



#### MTBS's experience in the Port & Infrastructure Sector

## Successful Transaction Ongoing Transaction Completed Port Project

#### MTBS's characteristics

- Global Leader in Port Transactions
- **Experienced and Qualified Team**
- International Sector Focus
- Aspiration to Develop its services in the ASEAN Market

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

















UNIVERSAL CARGO LOGISTICS HOLDING B.V.







































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### Relevant International Experience





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Value Optimization through Tailored PPPs

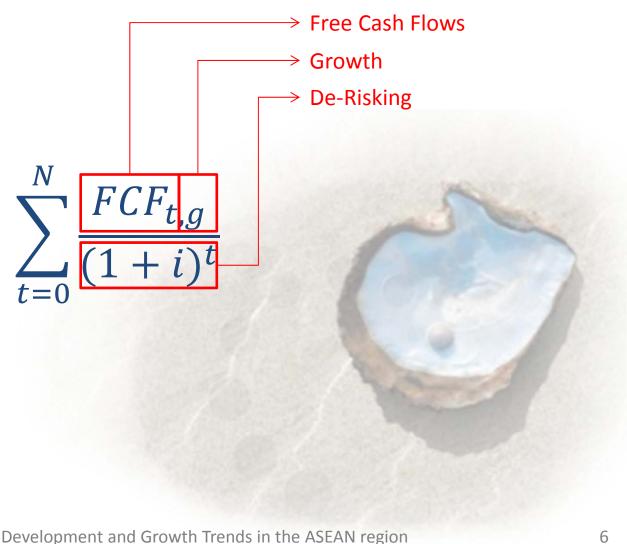
#### Appendix:

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### Challenge



### Unlocking Value in the **ASEAN** Maritime & Transport Industry



### ASEAN region: Healthy growth prospects



High GDP growth up to 2020 (IMF):

• *ASEAN – 5:* 5.5%

• European Union: 1.9%

• North America: 2.0%

• *World:* 4.0%

Total Container throughput in Southeast Asia:

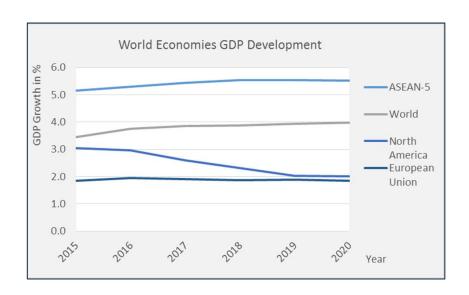
• 2000: 34.5 million TEU

2013: 89.3 million TEU

Container CAGR (2000-2013): 7.6%

Population Growth ASEAN countries:

• 1,28% per year on the long term



Economy	2007-2013 CAGRs in percentage	TEU / Population ratio
ASEAN - 5	6.90%	0.10
European Union	2.15%	0.20
North America	0.13%	0.14
World	4.86%	0.09

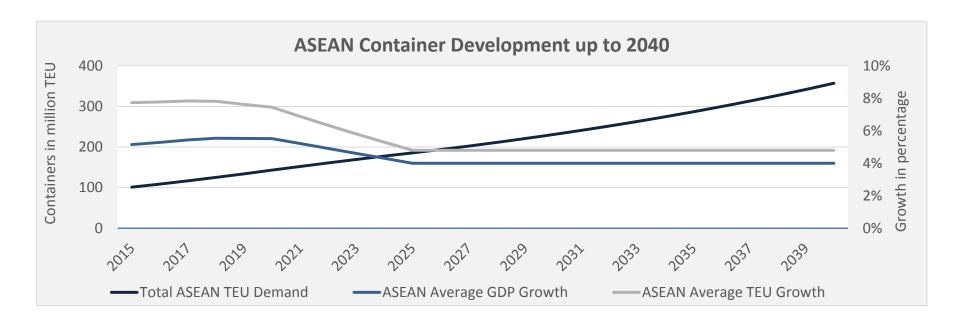
#### **Growth: Container Demand (estimation)**



#### Substantial demand increase expected for ASEAN region

#### **Growth Assumptions:**

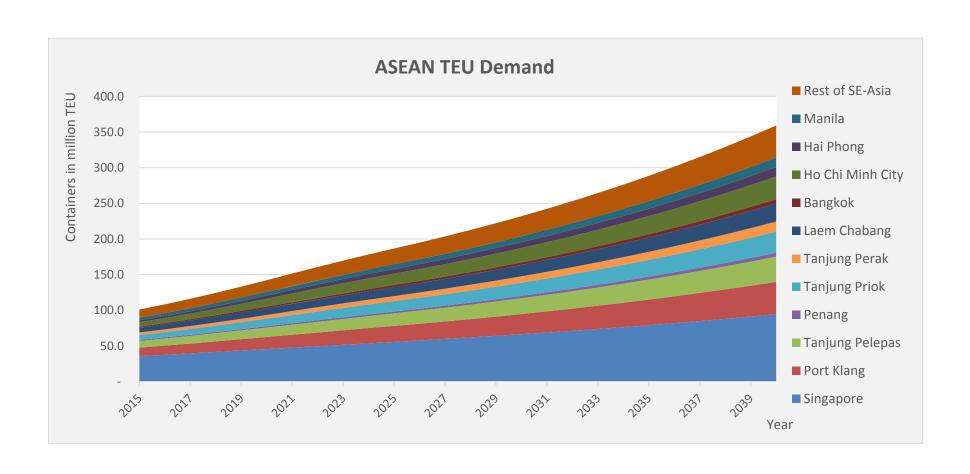
- GDP Growth:
  - Up to 2020 IMF forecast (individual countries)
  - After 2020 decreasing to a stable 4%
- GDP TEU multiplier:
  - Varies from 0.8 to 2.4 → develop to a stable 1.2



### **Growth: Container Demand (estimation)**

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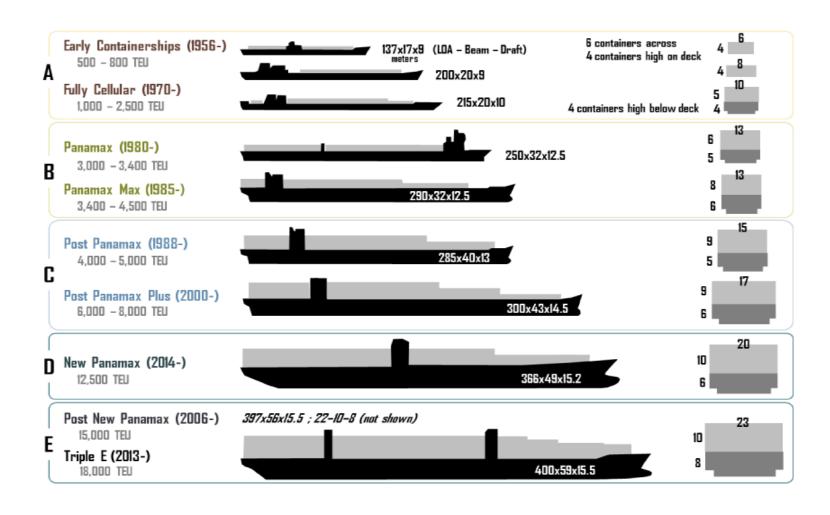
#### ASEAN TEU Demand per Port



### Growth: Vessel Dimensions (example: containers)



Existing Ports Unable to accommodate modern trades: Greenfields



#### **Growth: Port Expansions**



Substantial investments in port assets scheduled in coming decades

### Work on Tuas mega port starting soon

# Teluk Lamong's international terminal to operate next month

HPH to begin expansion at Laem Chabang Terminal D within a year

## Feasibility study on 3rd terminal at Port Klang to be completed in 2015

Penang sees 'huge' growth potential

Port expansion at Pasir Panjang being accelerated

03 Apr 2015

ICTSI expanding main Manila port

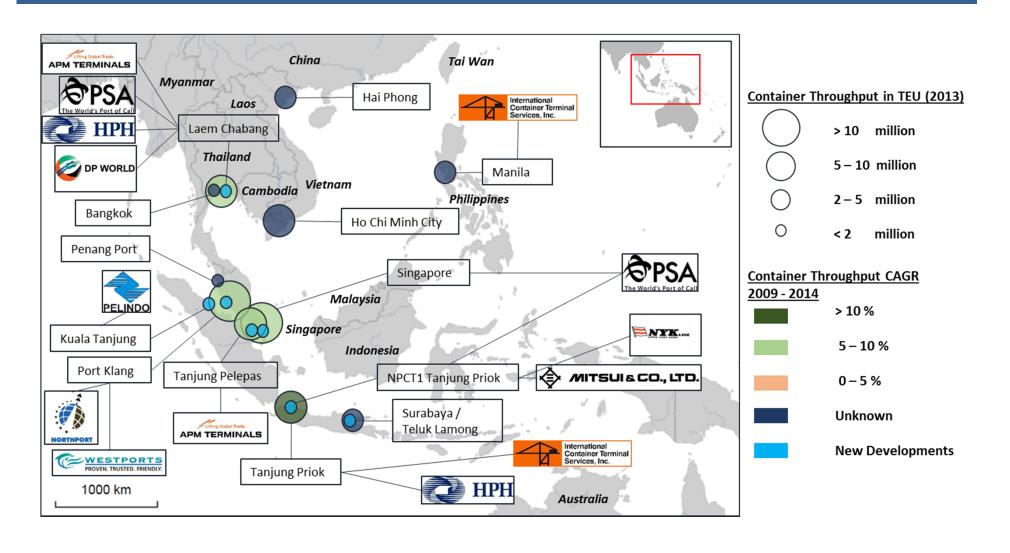
Vietnam launches new bid to bring more private investment into its 19 seaports

Large port extensions at Tanjung Priok Port, Jakarta, Indonesia

### **ASEAN Ports & Developments**

#### **Port Developments**





### **ASEAN Current Ports & New Port Developments**



#### **Current Infrastructure**

#### Planned Infrastructure

Port	Country	Throughpo	Capacity in	
		2013	2014	M TEU
Singapore	Singapore	32,6	33,9	35,0
Port Klang	Malaysia	10,4	10,9	19,6
Tanjung Pelepas	Malaysia	7,6	8,6	10,0
Penang Port	Malaysia	1,2	1,3	2,0
Laem Chabang	Thailand	6,0	6,6	10,8
Bangkok	Thailand	1,5	1,6	1,3
Ho Chi Minh City	Vietnam	4,3	5,4	*15,0
Hai Phong	Vietnam	2,0	*2,2	2,5
Manila	Philippines	3,8	3,7	2,5
Tanjung Perak (Surabaya)	Indonesia	3,0	3,2	*3,5
Tanjung Priok	Indonesia	6,5	6,6	6,6

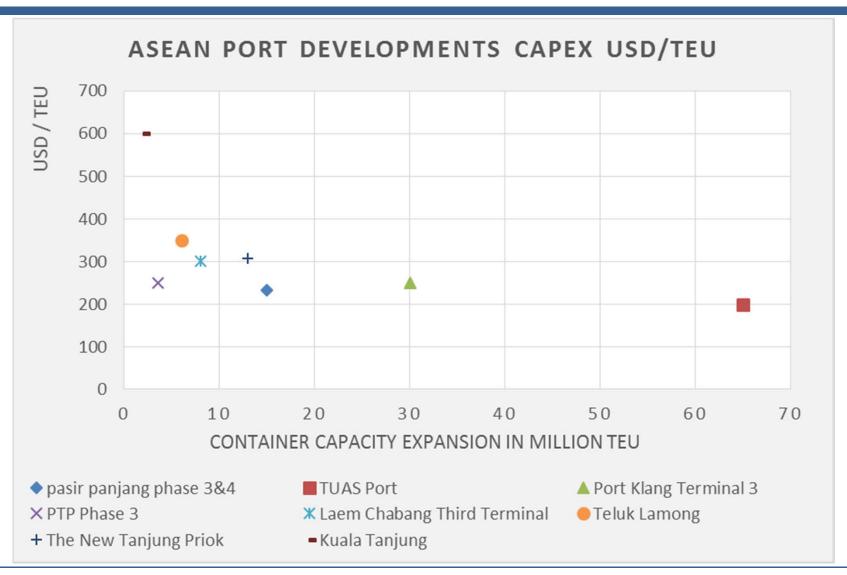
New Terminals	Country	Planned Capacity in M TEU	Planned Year of completion
Pasir Panjang phase 3 & 4	Singapore	15,0	2017
TUAS Port	Singapore	*65,0	2030
Port Klang Terminal 3	Malaysia	*30,0	2030
PTP Phase 3 Expansion	Malaysia	3,5	2019
Laem Chabang thrid basin	Thailand	*8,0	2020
Teluk Lamong	Indonesia	1,6 (5,5)	2015 (2019)
The New Tanjung Priok	Indonesia	1,5 (13,0)	2015 (2023)
Kuala Tanjung	Indonesia	2,0	2019

<sup>\*</sup> Estimated

<sup>\*</sup> Phased Expansions

### **ASEAN Current Ports & New Port Developments**



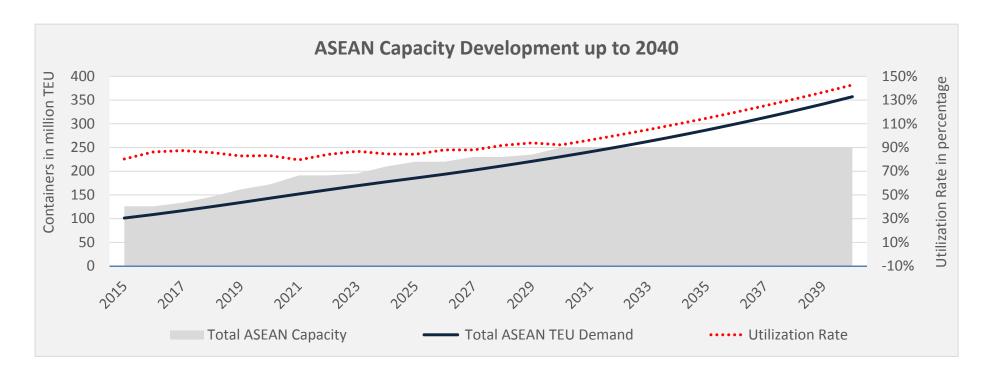


#### **ASEAN Port Market Outlook**



#### Healthy growth and sufficient capacity

- Container demand increasing from 101 M TEU (2015) to 357 M TEU (2040)
- Existing capacity approximately 125 M TEU
- Port expansions: phased over time
- Need for 4P solutions

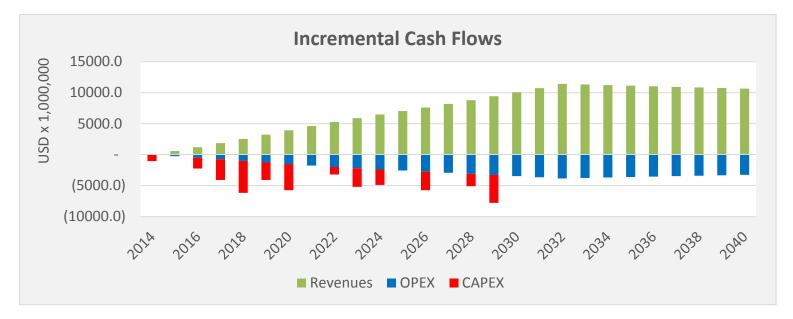


#### Cash Flows



#### Established on rationalized per-TEU figures for capex, opex and revenues

- CAPEX: Based on published project CAPEXes; or estimated between USD 200-600 / TEU capacity, depending on project: USD 35 billion until 2030
- OPEX: USD 35-55 / TEU handled; decreasing by 2% per annum
- Revenues: Handling Charges & port dues
  - Handling charge: USD 75-95 / TEU handled; decreasing by 1% per annum
  - Port dues: USD 10 / TEU handled



### Value Summary



#### Unlocking Value in the ASEAN Maritime & Transport Industry

- Substantial growth expected in the ASEAN region for the coming decades: doubling in next 10 years.
- Capacity expansions: 2015-2030; CAPEX USD 35 billion; 127 million TEU pa
- 15-20 Billion USD pa Revenue business

Port Authorities need to develop carefully designed and executed PPP Concessions with Private Operators through Transparent and IBP Tenders

$$NPV(i,N) = \sum_{t=0}^{N} \frac{FCF_{t,g}}{(1+i)^t} = USD \ 18.3b$$

NPV@WACC 10%: USD 18.3b NPV@WACC 15%: USD 4.7b

IRR 20.0%

### **ASEAN Market & Port Developments**





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ASEAN Market & Port Developments

Value Optimization through Tailored PPPs

#### Appendix:

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- MTBS Transaction Methodology

### Importance of PPP & Transaction Advisory



#### De-risking strategies drive down cash flow volatility & cost of capital

#### PPP Structuring: balancing risks and business case driven

- Procurement/Project realisation risks
- Project risk: commercial, financial, operational, political etc
- Financial/commercial risks

#### PPP Procurement Processes

- Professional and realistic transactions: timeframes, consultations, documentation, evaluation.
- Business case driven
- Process embedded in legislation
- Non-contestable outcomes

#### PPP Contract: Valuable & Enforceable & Bankable

- Tenor
- Step-in
- Clear termination compensation regime and guarantees
- Freedom to set tariffs
- Handback conditions

### De-Risking: Structure

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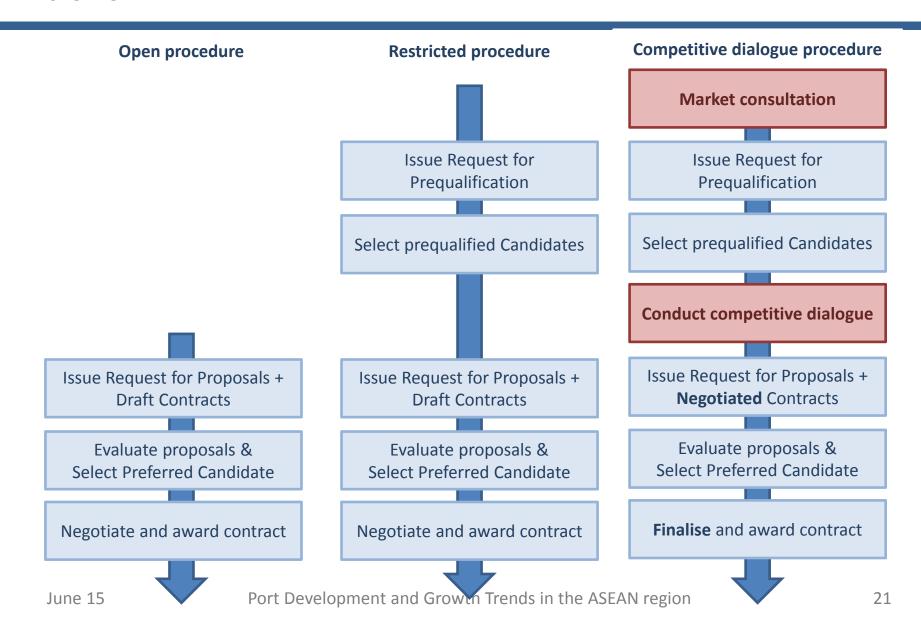
#### Choosing the Optimal Port Management Model

Structure	Characteristics	Examples
1. Landlord  Operator  Operator  Infra	<ul> <li>PA acts as traditional landlord</li> <li>Substantial investments and financing is required, but only for base infrastructure</li> </ul>	<ul> <li>Rotterdam, Antwerp, Hamburg</li> <li>Best practice port reform in African ports</li> </ul>
2. Landlord with DB(F)M  Operator  Operator  DB(F)M infra	<ul> <li>PA acts as traditional landlord</li> <li>Construction contract is tendered out as a DB(F)M, which implies that construction and maintenance (and financing) is the full responsibility of the infrastructure contractors</li> </ul>	<ul> <li>No DBFM contract in ports up to date: currently under implementation in a North American port</li> <li>For Rotterdam MV2 it was concluded to apply DBM</li> </ul>
Investor(s)  PA  PDMC  Operator  Operator	<ul> <li>PA enters into Master Concession with PDMC (PA as co-shareholder)</li> <li>PDMC tenders individual terminal concessions and the construction contract</li> <li>PDMC attracts investors and arranges debt financing for investments (based on securities from anchor clients</li> </ul>	<ul> <li>Busan, S-Korea – Hyundai, Bouygues, BusanPA, Macquarie, Kukje, KCTC</li> <li>Maputo, Mozambique – CFM, DP World, Grindrod</li> <li>Durban, South-Africa</li> <li>Ibom Deep-Sea Port, Nigeria</li> </ul>
4. Full BOT concession tender  Private port consortium	<ul> <li>Private consortium is responsible for port development and investments</li> <li>Appetite restricted by size of the investments</li> <li>Limited control PA</li> </ul>	<ul> <li>Monrovia, Liberia – APMT</li> <li>Mersin, Turkey – PSA &amp; Afken</li> </ul>

#### De-risking: Awarding Procedures

overview





### Recommendation for Successful competitive procedure



- Competitive Dialogue Procedure creates most value: Early market involvement of bidders
- Tender should be business case driven. 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:

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- Transaction Structuring: Valuation, Risk Allocations and Value Engineering, **Documentation**
- Transaction Management: First Time Right and Commit to Timelines



### thank you for your attention



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### **ASEAN Market & Port Developments**





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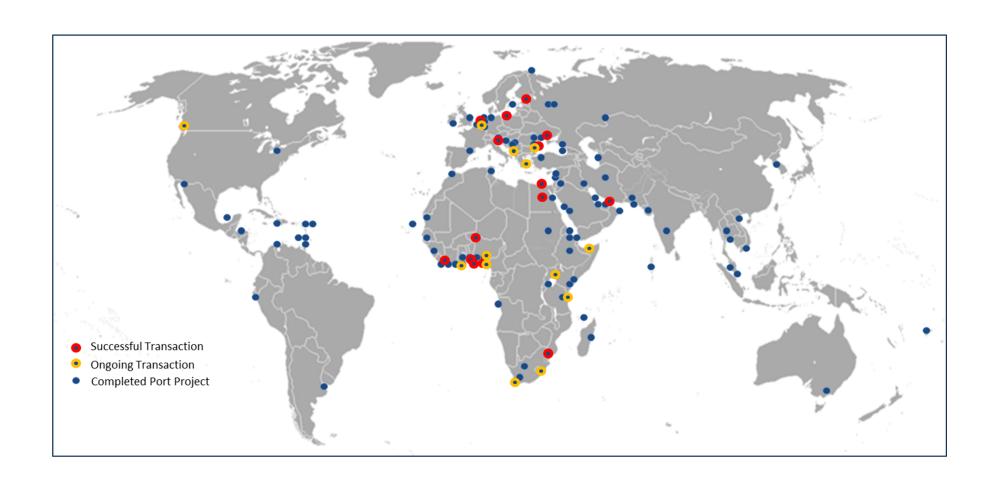
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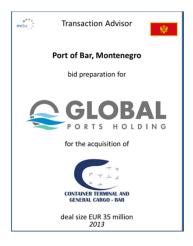


### ... with a global track record of port projects...



## ... with significant recent Port Transaction Success Stories ...

















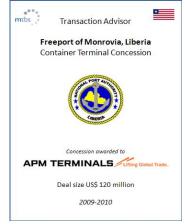


## ... with significant recent Port Transaction Success Stories ...





















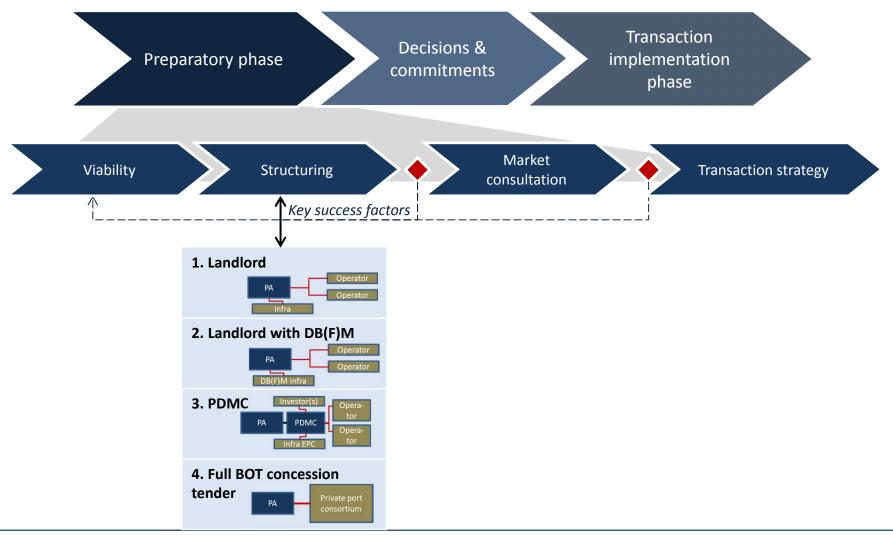
### ... a portfolio of ongoing port transactions ...

Port of Vancouver, Canada	Port of Durban, South Africa	Port of Dar es Salaam, Tanzania	Port of Moerdijk, Netherlands
Financial Advisor	Transaction Advisor	Transaction Advisor	Transaction Advisor
Commercial advisory services	PPP-scheme Durban Dig-out port	Concessioning Berth 5-7 and 13&14	Concessioning terminal
Concession	Concession	Concession	Concession
Sell Side	Sell Side	Sell Side	Sell Side

Ibom Deep Sea Port, Nigeria	Takoradi, Ghana	Kisumu, Kenya	Port of Burgas, Bulgaria
Transaction Advisor	Transaction Advisor	Transaction Advisor	Transaction Advisor
Concession greenfield Deep Sea Port	Concessioning Takoradi Port PPPs	Concessioning port of Kisumu PPP Project	Equity transaction Navibulgar container terminal
Concession	Concessions	Concession	Management Contract Shareholders Agreement
Sell Side	Sell Side	Sell Side	Private deal

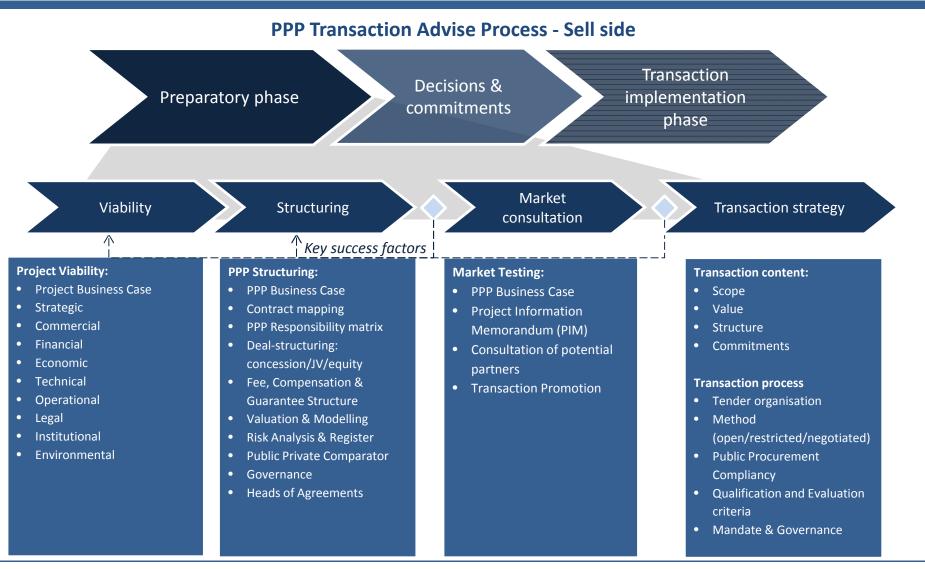


Tailoring of the optimal PPP structure is an important step in transaction preparation



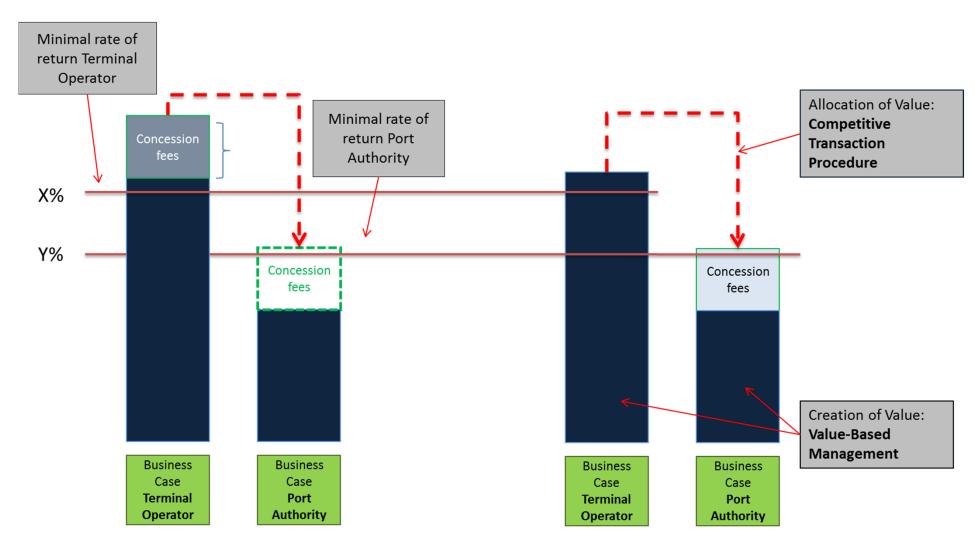


Business Case Approach secures project feasibility, PPP Structure and Bankability





Risk allocation and competitive tendering lead to optimal value creation





#### **PPP Transaction Advise Process - Sell side**

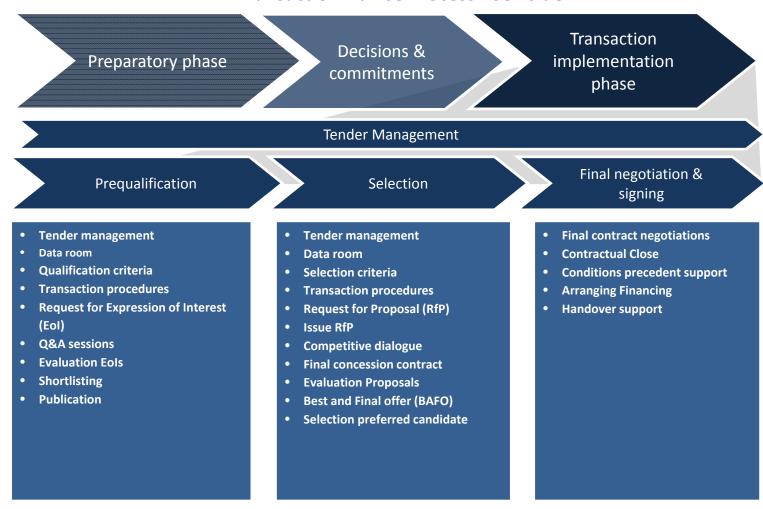
Preparatory phase

Decisions & Transaction implementation phase

- Competition and Level Playing Field
- Land use and allocation
- Port capacity development policy
- Licensing and permitting
- Financial commitments & guarantees
- Hinterland connectivity commitment
- Tariff (de-) regulation
- Taxation and Fiscal regime
- Transaction Process & Organisation



#### **PPP Transaction Advise Process - Sell side**





## PPP Transaction Advise Process Buy side





#### **PPP Transaction Advise Process - Buy side**



- Commercial Due Diligence
- Financial Due Diligence
- Technical/operational Due Diligence
- Legal/Institutional Due Diligence

- Detailed market study
- Revenue & Tariff projections
- Technical/Operational planning
- Fiscal review
- Legal/Institutional transaction objectives
- Financial Modelling
- Risk analysis
- Partnering Strategy
- Stakeholder Strategy
- Indicative price offer

- Final Business Plan
- Bid Optimization & Final valuation
- Price offer (conservative or maximized)
- Commitments & guarantees
- Preparation of Bid Documentation

- Assist with:
- Final contract negotiations
- Arranging financing
- Conditions precedent period

**Bid Management** 



### thank you for your attention



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