



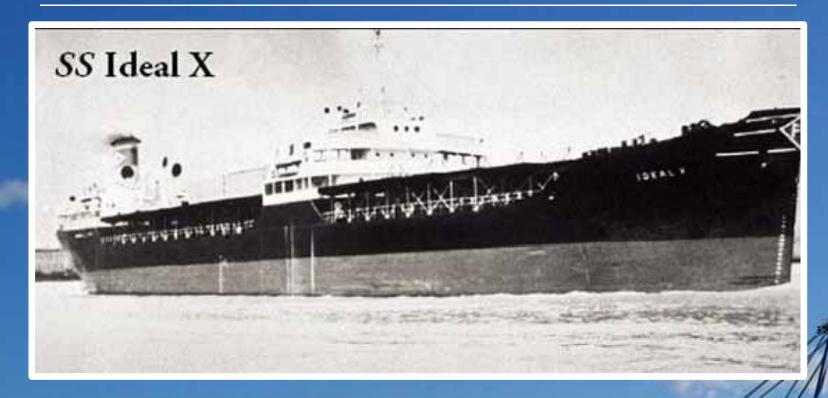
7th ASEAN Ports Conference

Can Transhipment Survive the Downturn?

Presented By: David Wignall

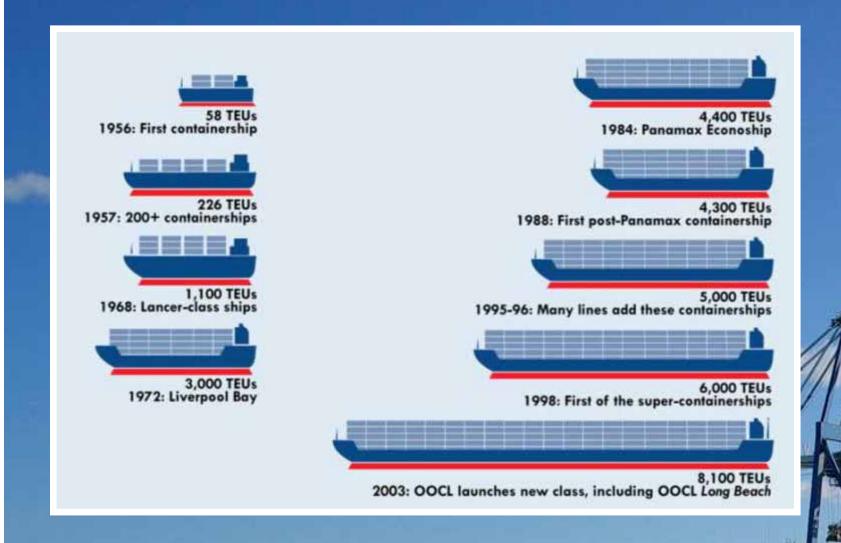


Looking back...



Ideal X left Newark on April 26th, 1956 with 58 containers starting the revolution

My how they have grown





Traffic Development

- Direct shipment
- Hubs and spokes
- ROW
- Pendulums

Volume and ship size need to fit route

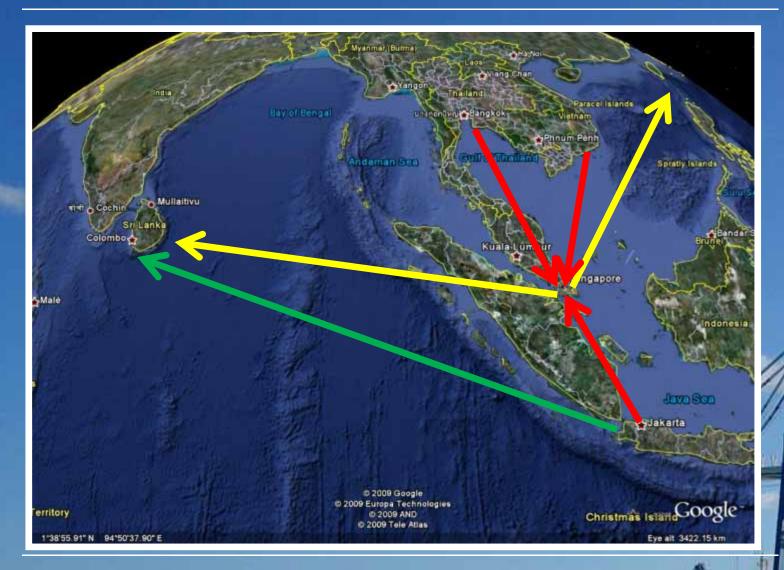


The Benefits of Transshipment

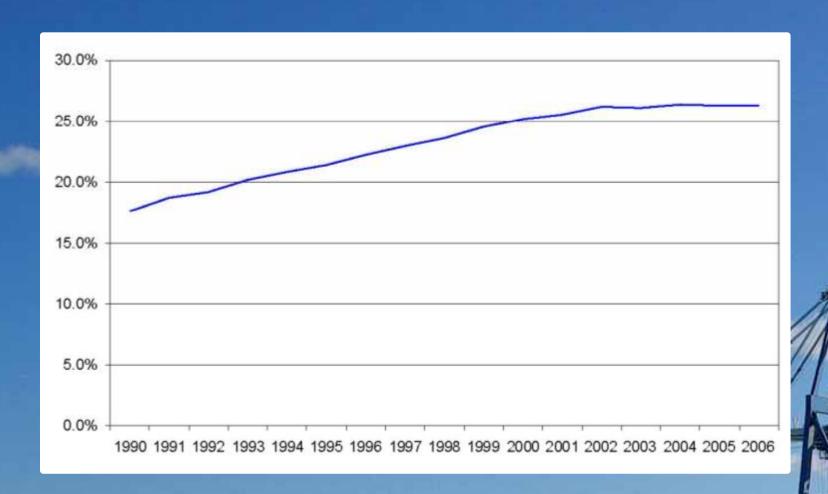




Singapore hub of the world



Transshipment Levels





The Costs of Transshipment

- Time
 - Route diversion
 - Counteracted by service frequency?
- Handling cost
 - US\$ 50/TEU?
 - Minimal compared to ocean freight?
- Complexity
 - The invisible cost

Boeing or Airbus?



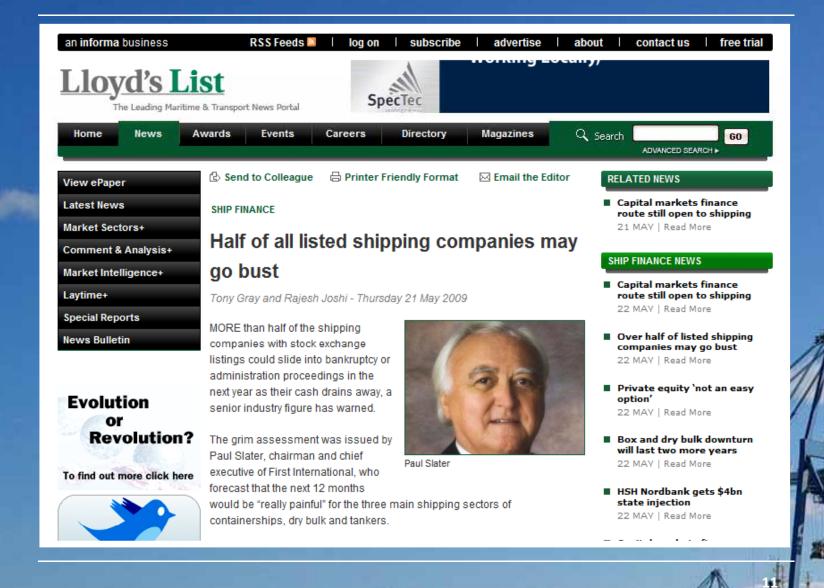




Size a blessing or a curse?

- Operating costs
 - 4,000 TEU ship, US\$ 15/TEU
 - 12,000 TEU ship, US\$ 12/TEU
- Operating costs to ship 4,000 TEU
 - on 4,000 TEU ship, US\$ 15/TEU
 - On a 12,000 TEU ship, US\$ 36/TEU
- Flexibility, volume and facilities
- CAPEX and cash position

Shipping in Crisis





Volume Forecasts

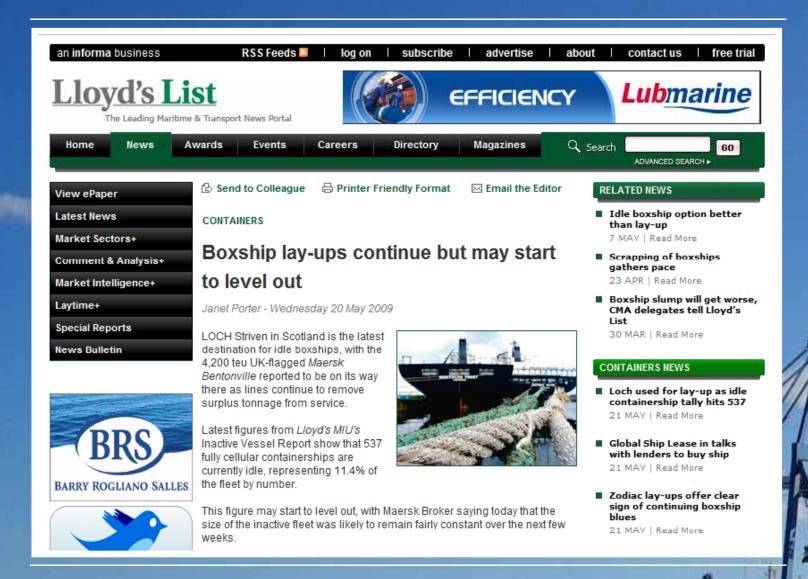
- Asia Europe
 - 2005 handlings: 17,900,000 TEU
 - 2009 handlings: 16,500,000 TEU?
 - 2005 forecast for 2015: 43,800,000 TEU
 - 2009 forecast for 2015: 21,700,000 TEU
- Transpacific
 - 2005 handlings: 21,700,000 TEU
 - 2009 handlings: 18,000,000 TEU?
 - 2005 forecast for 2015: 43,400,000 TEU
 - 2009 forecast for 2015: 22,150,000 TEU



The World Fleet

Capacity (TEU)	Existing (Ships)	Ordered (Ships)	Total (Ships)	Europe Strings	Europe (TEU/year)
3000-3999	317	80	397	66	12,012,000
4000-4999	354	217	571	95	22,230,000
5000-5999	239	59	298	49	14,014,000
6000-6999	114	121	235	39	13,182,000
7000-7999	49	6	55	9	3,510,000
8000-8999	93	95	188	31	13,702,000
9000-9999	36	38	74	12	5,928,000
10000+	5	77	82	113	7,774,000

What can I do with my Ships?





Indonesia Direct

- EU, Indonesia 2nd largest export market
 - 13% of exports, manufactured goods
 - 600,000 to 1,000,000 TEU per year
- Priok and Surabaya dominant origins
 - Routing impact on costs
 - Priok-Europe transshipped US\$ 2,500
 - Priok-Europe direct US\$ 1,750?
 - Capacity provision
 - 3,000 TEU string 150,000 TEU annual capacity
 - 4,000 TEU string 200,000 TEU annual capacity



Who would be interested?

Africa direct from PIL, Laurel

Fairplay May 21st 2009

Pacific International Lines and Laurel Navigation have teamed up to provide a direct link to East Africa, South Africa and West Africa from India, Pakistan and the Middle East. Laurel is a division of Zim while PIL is a family owned Singapore based company. Each partner will provide three ships for the new service scheduled later this month. The 855 teu vessels will be deployed on a "round voyage" lasting 70 days, PIL said today. Lagos will be served via transhipment. The existing Indian Ocean service and the Africa-Middle East-India service, which is jointly operated by PIL, LNL and MOL will be withdrawn.



The difficulties?

- Indonesian ports
 - Surabaya
 - Tanjong Priok
- Use of fire sale or bankrupt VLCS?
 - Brings down CAPEX
- European distribution
- Strength of potential provider
 - Financial
 - Network



Another Impact on Indonesia?

- Feeder services
- Interisland traffic
- Effect of new shipping law

Capacity (TEU)	Existing (Ships)	Ordered (Ships)	Total (Ships)	Forecast Utilisation	
500>	436	13	452	80%	M
500-999	752	155	907	60%	//
1000-1499	611	170	718	55%	
1,500-2,000	486	120	606	70%	
					Nie.



The Winners?

- Indonesia
 - Manufacturing exports
 - Agricultural exports
- Vietnam
- Regional ports
- Smaller more flexible container ships
- Asia based container lines?
- Niche market container lines





Thank you for listening

Presented By: David Wignall