

The New Era of Kaohsiung Port

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Harbor Master

**Port of Kaohsiung,
Taiwan International Ports Co.**



I. Introductions to Kaohsiung Port

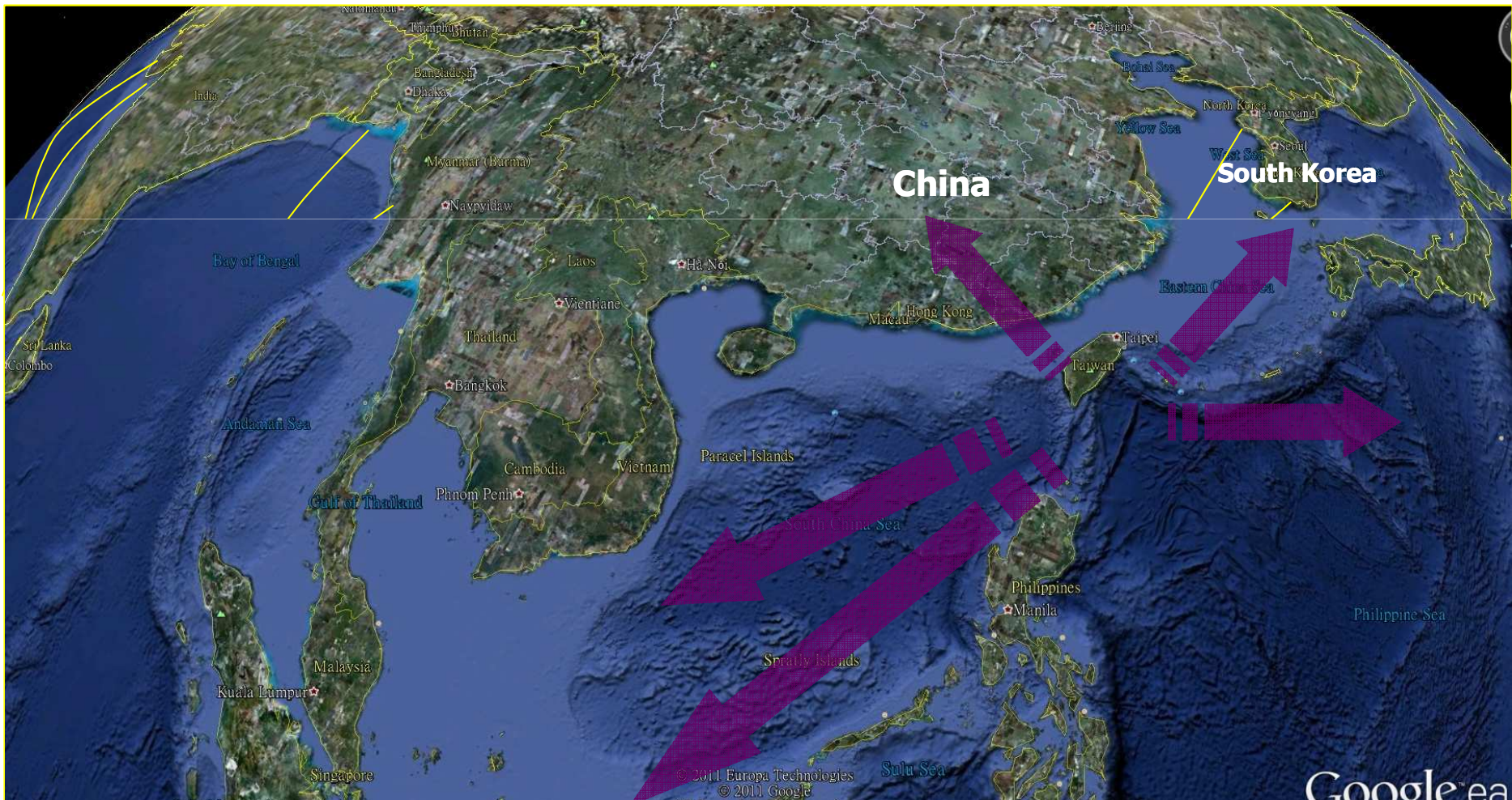
II. The Port's Vision and Development Plans for Green Port

III. Kaohsiung Port Waterfront Pearl Project



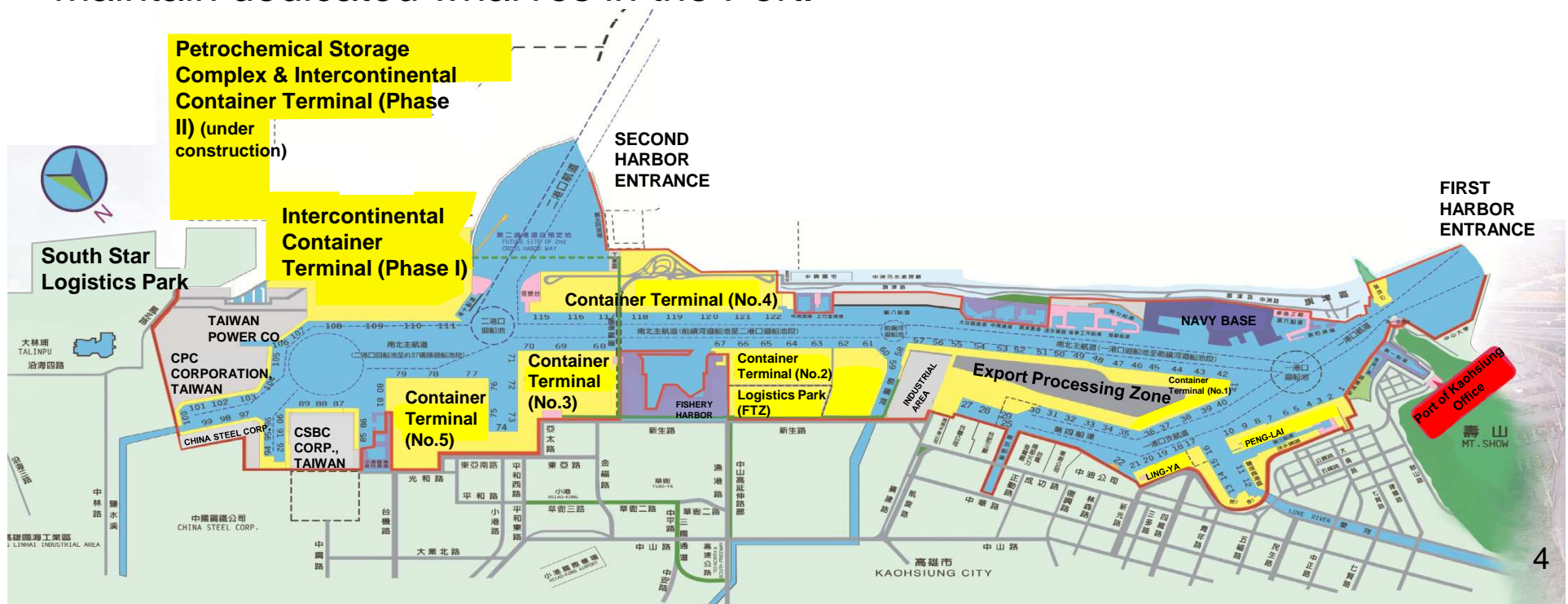
Location

- The Port of Kaohsiung sits at the hub of trade routes linking NE Asia, SE Asia, and China.
- 372 shipping lanes linking to 5 continents, 367 ports and 102 countries.



Port Map and Facilities

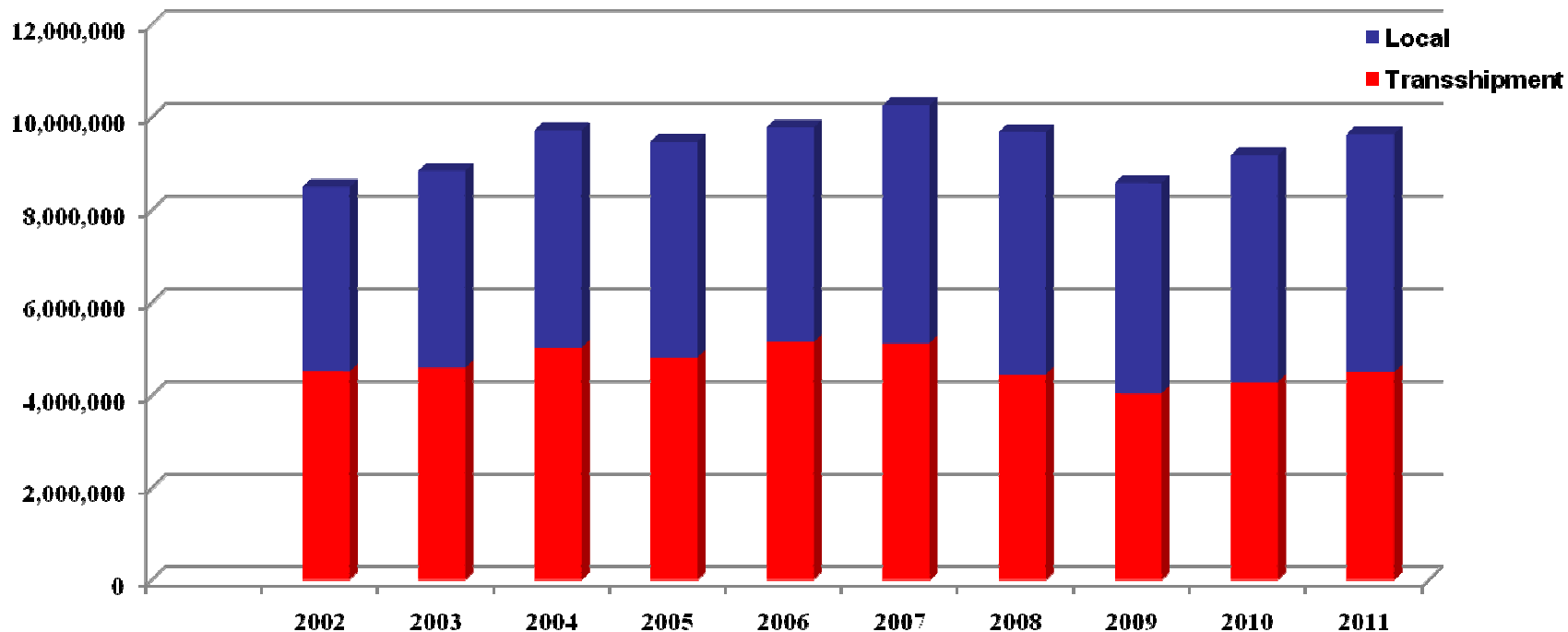
- Land area totals 1,871 hectares and inner harbor waters cover 1,468 hectares.
- A multi-functional port with 121 wharves, including 6 container terminals (25 container wharves), 65 bulk cargo wharves, 2 passenger wharves, 64 warehouse buildings and 9 storage yards.
- 9 of World's top shipping companies/ terminal operators, including APL, Evergreen, Hanjin, Hyundai, NYK, OOCL, Wan Hai, Yang Ming and Lian Hai maintain dedicated wharves in the Port.



Performance- The busiest port in Taiwan

- Each year Kaohsiung Port handled over 35,000 vessels. (2009-2011)
- Nearly 50% of transshipment cargo makes Kaohsiung Port the world's 12th Container Port.
- The container throughput of 2011 amounted to 9.63 million TEU and will reach 9.85 million TEU in 2012.
- Will be looking at a new high of 10 million in 2013.

Twenty-foot Equivalent Units; TEU



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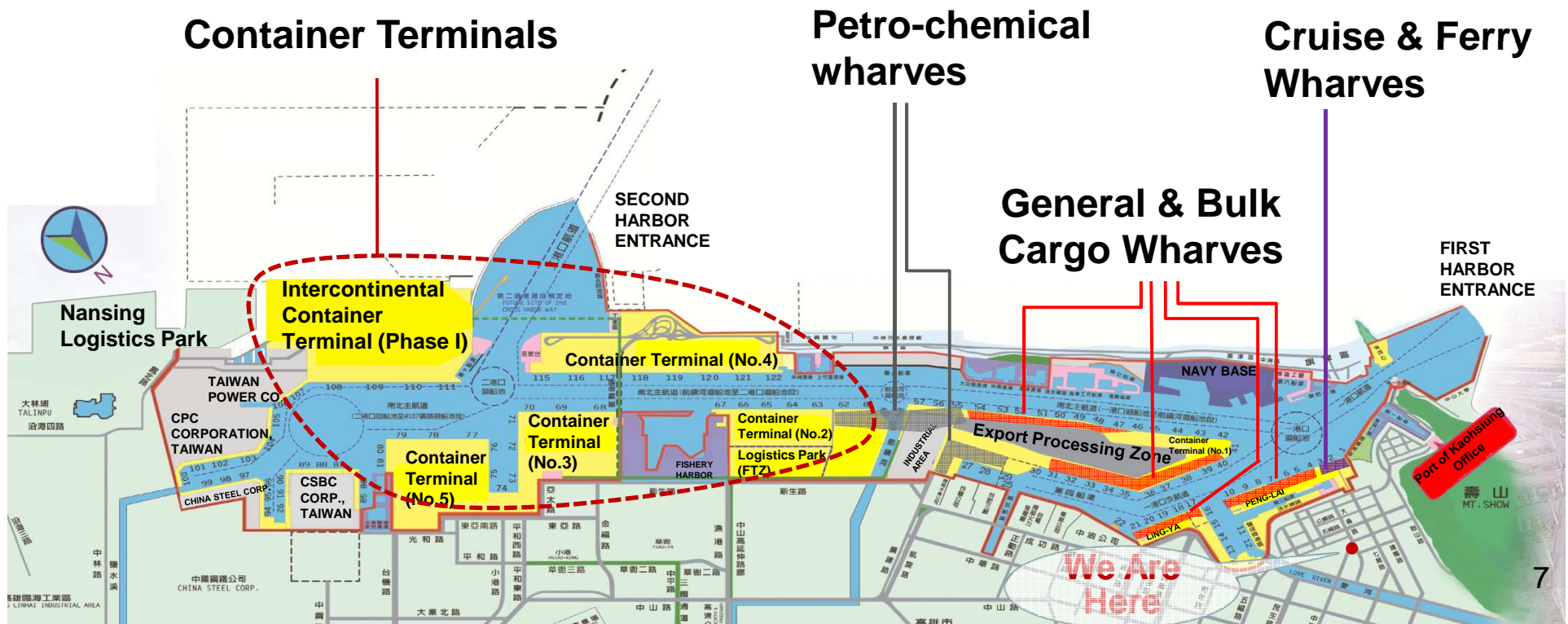
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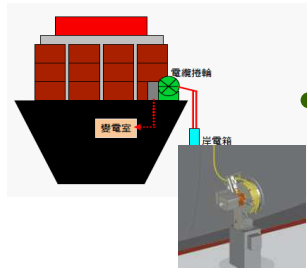


Current Port Layout

- A cargo-oriented port.
- The old harbor area adjacent to central city was mainly planned for the use of general & bulk cargo wharves and petrochemical wharves.
- Deeper-water wharves needed to accommodate massive vessels.



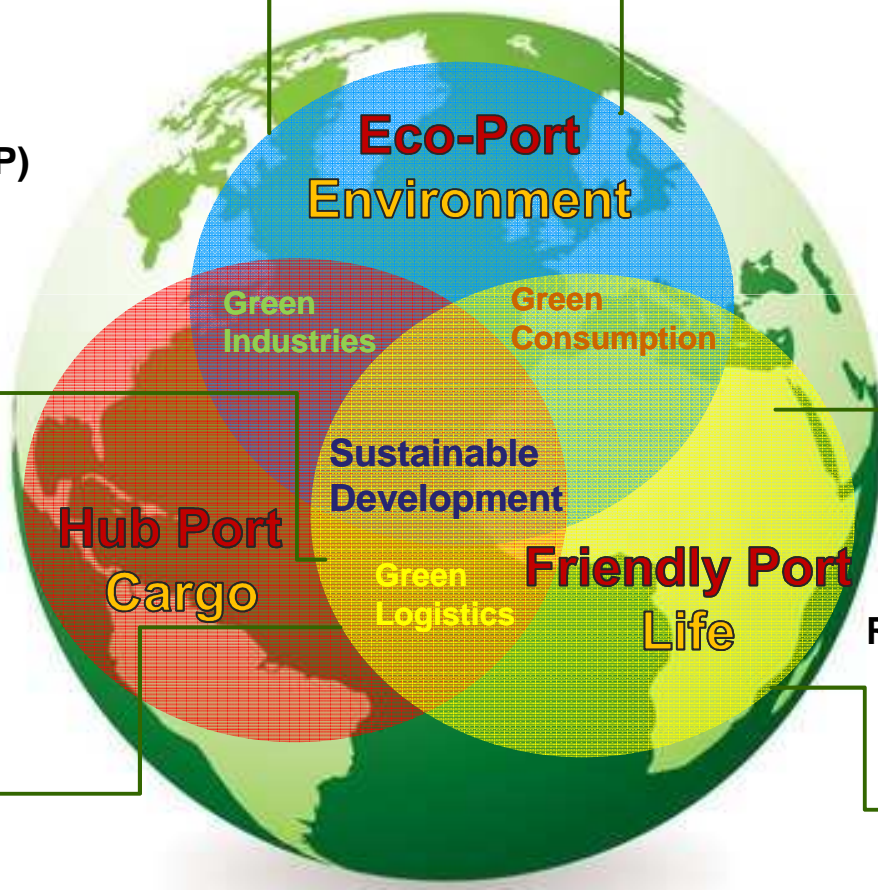
Vision of Kaohsiung Port and Implementation examples for Green Port



Shore Power System(AMP)



Petrochemical Storage Complex & Intercontinental Container Terminal (Phase II)



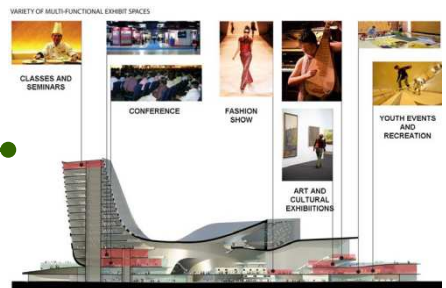
Reporting System for Container Trucks



Waterfront Pearl Project-Re-developing Old Harbor Area



Improving Bunker Facilities



Cruise Service Center

Port Zone Re-development

- North: The old harbor area adjacent to central city to be planned for Recreation and Business Zone.
- Central: Container terminals and general & bulk cargo terminal will be clustered.
- South: Petrochemical industries in the old harbor area will be moved to this zone away from the city centre.



Statistics of Cargo Throughput, Port of Kaohsiung

年別 Year	公 噸 M.T.
2007	103,756,671
2006	46,468,465
2005	149,226,026
	90,764,093
	135,062,013
	94,376,676
	43,644,766
	137,920,331

進港 Import
 出港 Export
 合計 Total

高雄港貨櫃裝卸量統計 (折合20呎櫃)

Statistics of Containers Handled, Port of Kaohsiung

年別 Year	標 準 櫃 TEU
2007	5,161,662
2006	5,104,941
2005	10,266,630
	4,890,163
	9,774,670
	4,744,796
	6,729,260
	9,471,066

進港 Import
 出港 Export
 進港 Total

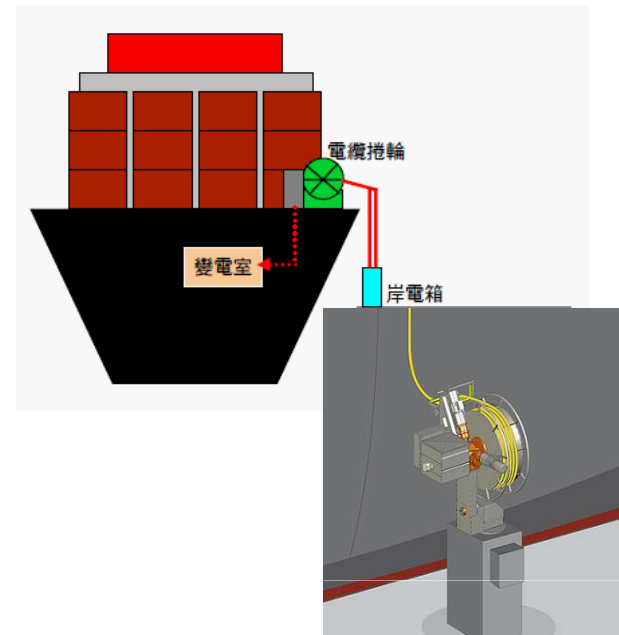
Petrochemical Storage Complex & Intercontinental Container Terminal Phase II Project

- A massive 422-hectare reclamation project including 10 new petrochemical wharves for a new distribution centre of petrochemical products and 5 to be the latest wharves capable of accommodating 18,000-TEU container ships.
- Using ecological engineering method and environment-friendly building materials. provide marine habitat.



Set up Shore Power System(AMP)

- Harbor craft piers.
- Renovation Work on Wharf No's 115~117.
- Container Terminal No.6 (Kao Ming)
- Will progressively set up on other wharves.



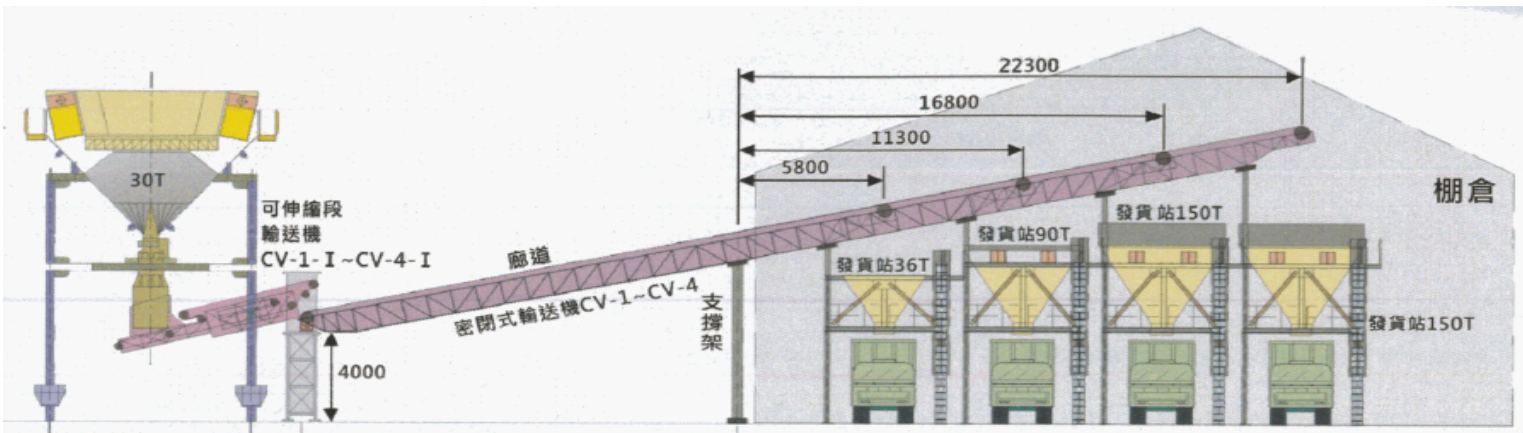
Reporting System for Container Trucks

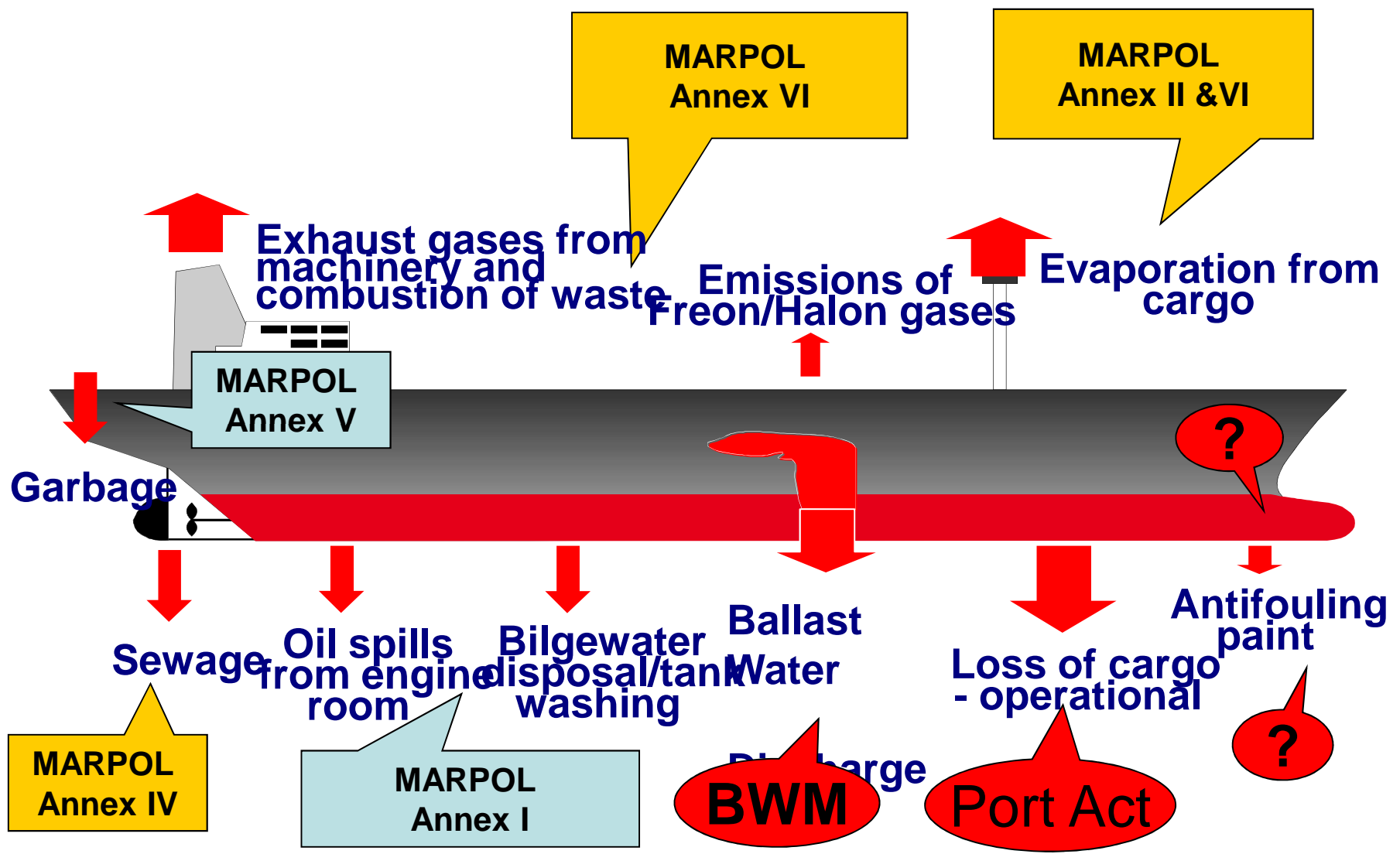
- Based on reports by container truck companies of their vehicles' scheduled arrival time, shippers will be encouraged to prepare container-handling dispatch work in advance.
- Improve the efficiency of container vehicles passing in and out of the Container Yard Gate.
- Reduce idling time for container trucks



Build new warehouses/ bunkers to reduce air pollution

- Progressively improve cargo handling environment on general & bulk cargo wharves.
- New bunker project to the rear of Wharf 49.





MARPOL - MARINE POLLUTION

ANNEX I - Oil Pollution

ANNEX II - Noxious Liquid Substances

ANNEX III - Harmful Substances in Packaged Forms

ANNEX IV - Sewage Pollution

ANNEX V - Garbage Pollution

ANNEX VI - Exhaust Gas Control

PSC at Kaohsiung Port

PSC (Port State Control)

Base on the PSC procedure of IMO
(International Maritime Organization)

港口國管制程序

1995. 11. 23大會決議案A. 787(19)

1999. 11. 25大會決議案A. 882(21)修正

2011. 12. 28商港法修訂Merchant Port Act

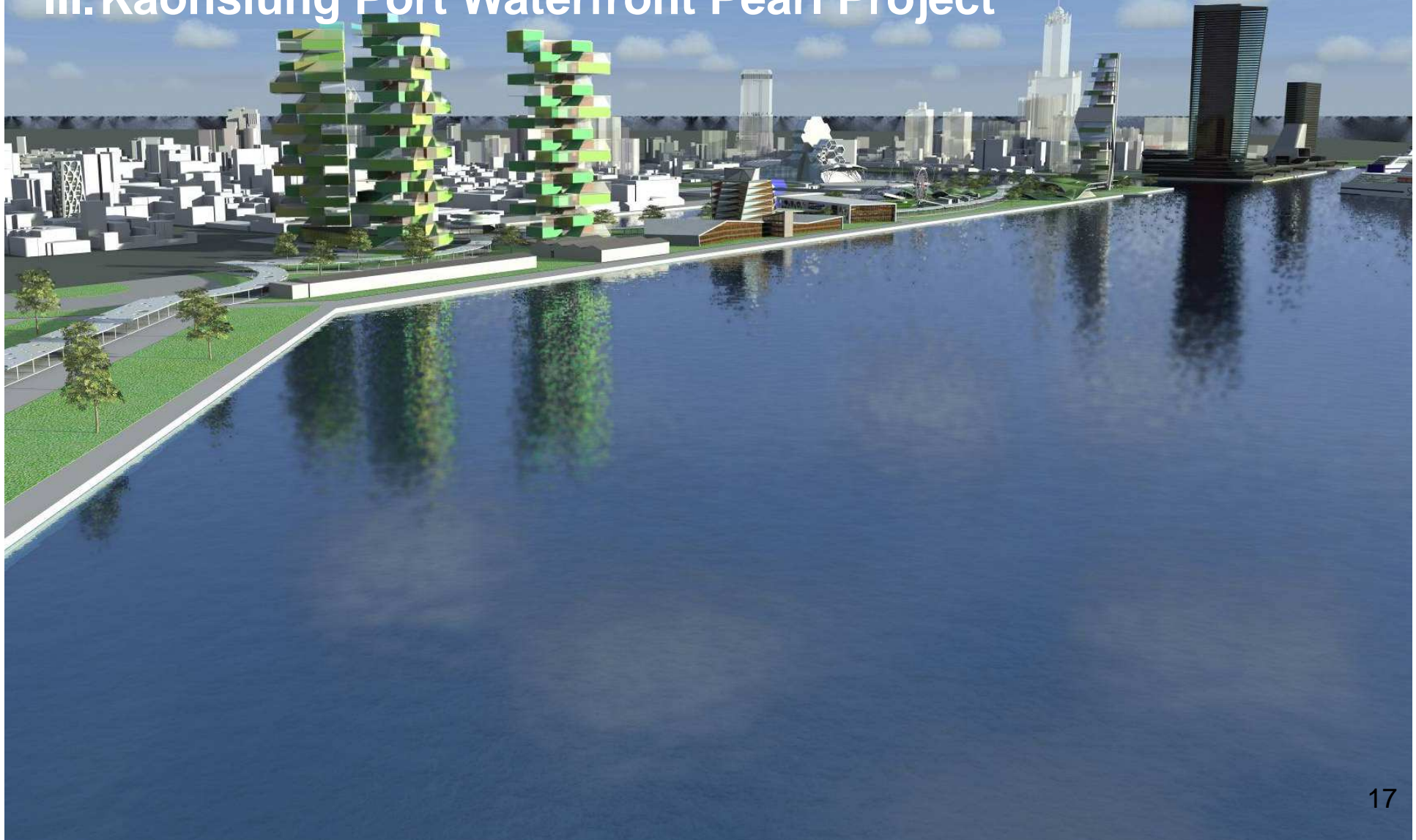
International Conventions

- 1966年國際載重線公約
LL 66 1968. 7. 21
- 1974年國際海上人命安全公約
SOLAS 74 1980. 5. 25 SOLAS 88 PROT
- 1969船舶噸位丈量國際公約
Tonnage 69 1982. 7. 18
- 1973/1978年防止船舶污染國際公約
MARPOL 73/78 1983. 10. 2
- 1972年國際海上避碰規則
COLREG 1972 1977. 7. 15
- 1978/1995年航海人員訓練、發證及當值標準國際公約
STCW 78/95 1984. 4. 28
- 2006年國際海事勞工公約(Marine Labor Convention)
MLC 2006

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Sail of Asia Resort

Harbor View Park

North Pier Plaza

Maritime Culture & Popular Music Center
(Ministry of Culture and Kaohsiung City Government)

Luxurious Hotel

Port and Cruise Service Center

World trade center

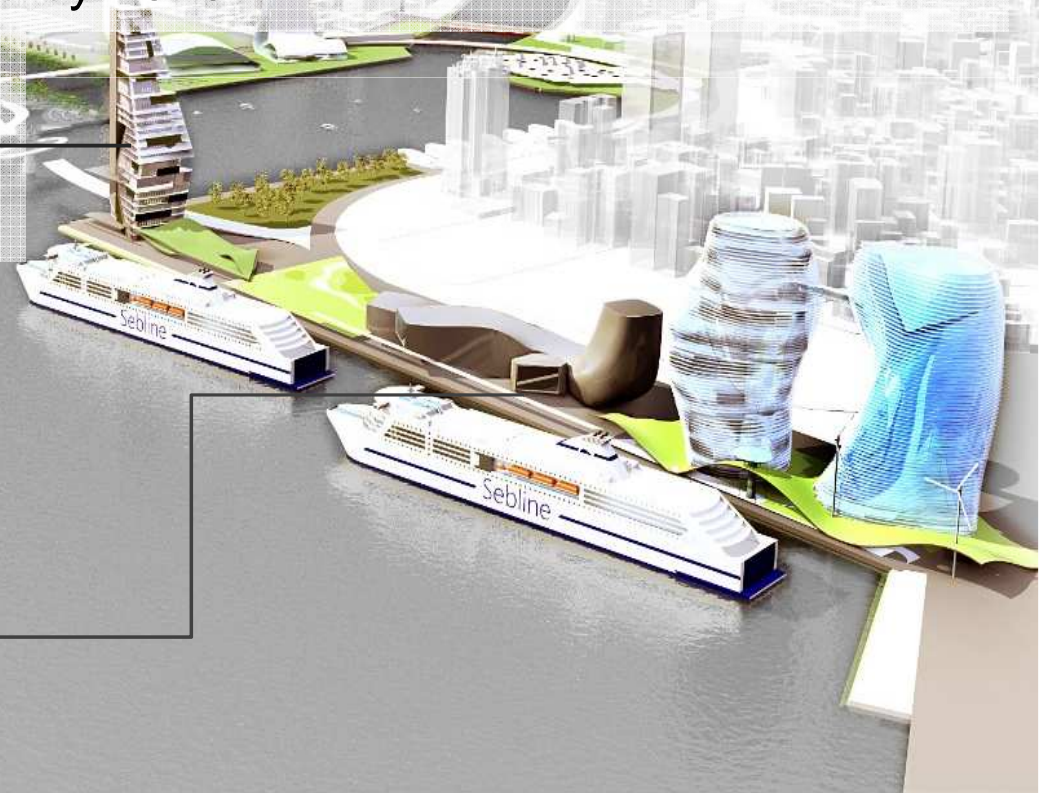
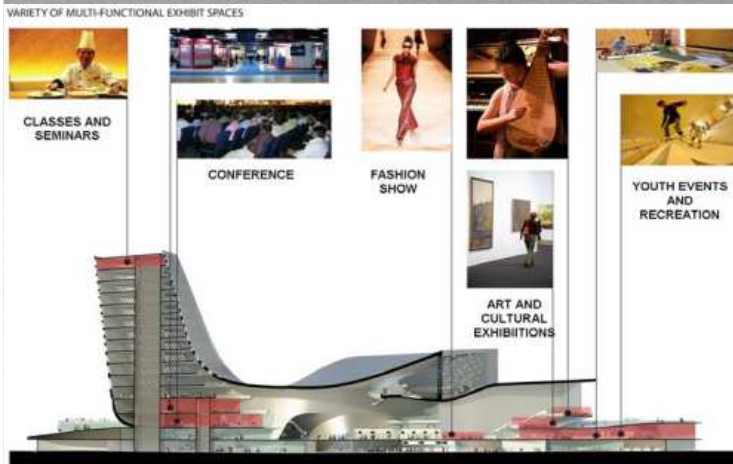


Port & Cruise Service Center

- Covers 2.46 hectares at a total cost of \$ 95 million.
- 2 cruise berths and 2 ferry berths.
- Includes office space, international conference halls, boarding corridors, arrival/departure space and other diverse services.
- The roof has been designed with an open observation terrace to provide citizens with a generous waterfront view and space to relax.
- The construction will be completed by 2015.

Luxurious Hotel

- Covers 4 hectares.
- 700 rooms.



North Pier Plaza-- No. 3 Basin Re-development



Cultural & Shopping Space



Themed Restaurants



Follow-up Development

- Time Span: 2017~2020
- Land area : 19 ha
- Water Square, Waterfront Restaurants.
- Yacht Facilities, capable of accommodating 100 yachts.

Wharf No.4~No.10



WELCOME TO JOIN US !

THANK YOU FOR YOUR ATTENTION