The New Era of Kaohsiung Port

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Port of Kaohsiung,
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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-feet Equivalent Units; TEU
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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)
- Reporting System for Container Trucks
- Improving Bunker Facilities
- Petrochemical Storage Complex & Intercontinental Container Terminal (Phase II)
- Waterfront Pearl Project - Re-developing Old Harbor Area
- 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.
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 (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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**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.
WELCOME TO JOIN US!

THANK YOU FOR YOUR ATTENTION