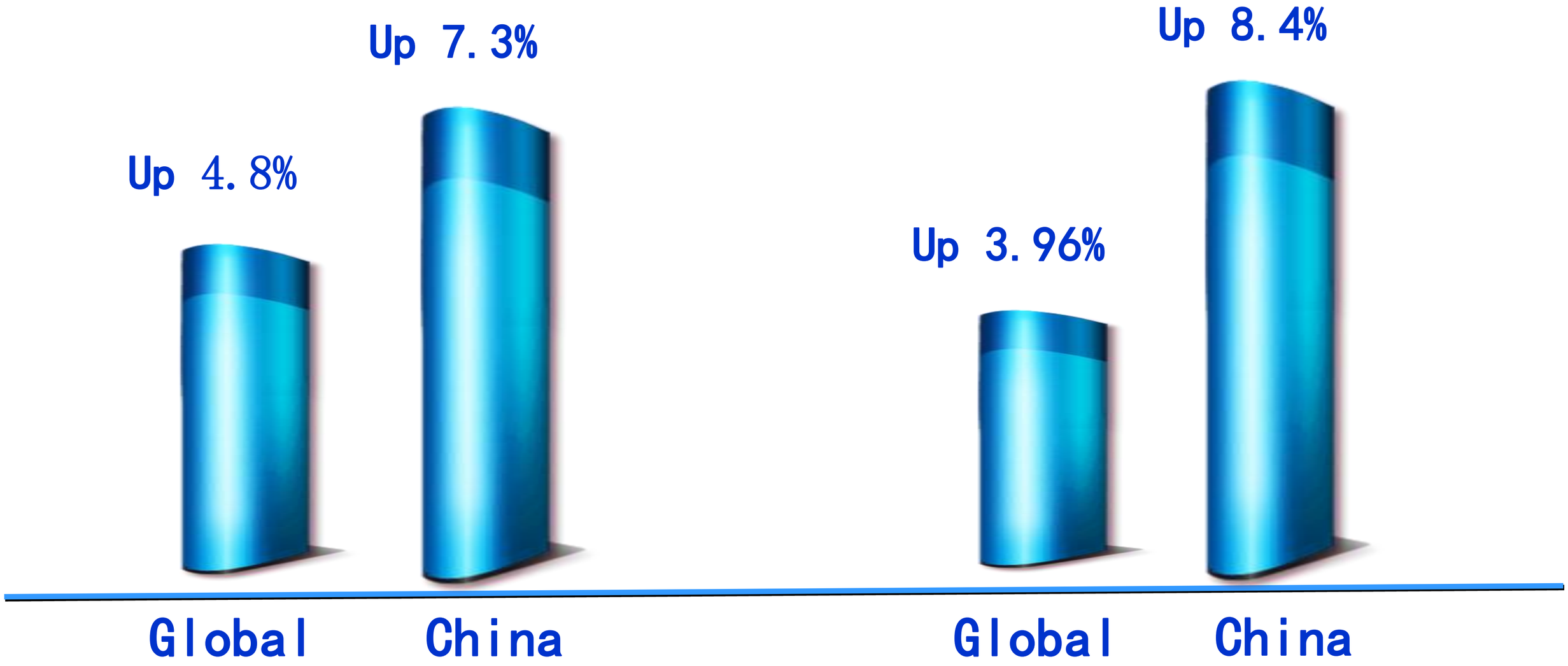
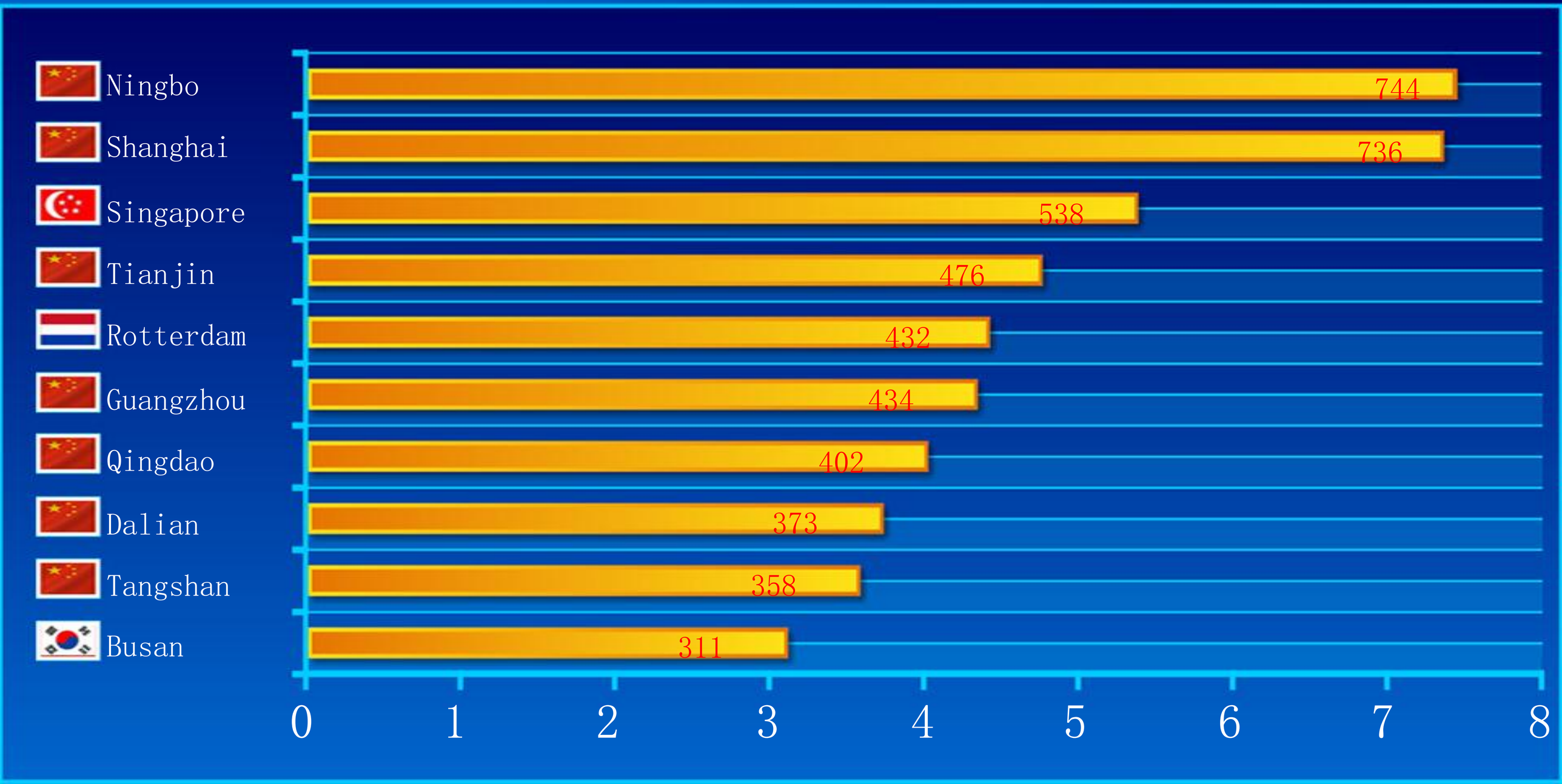
Prospect on World Port Development

Chang Dechuan
Vice Chairman
China Ports and Harbours Association

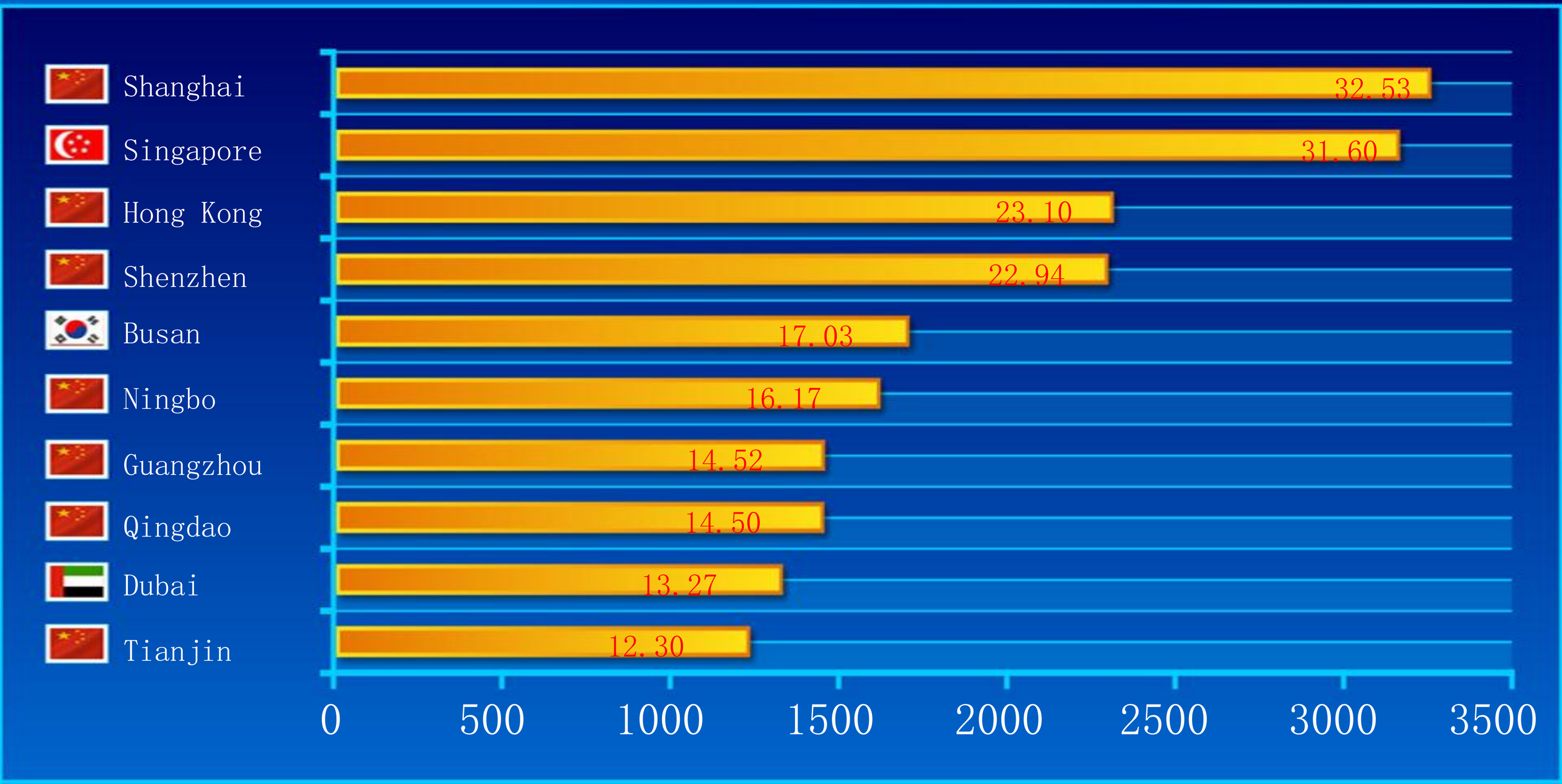
Cargo Throughput Growth in 2012



2012 Top 10 World Ports (Unit: million tons)

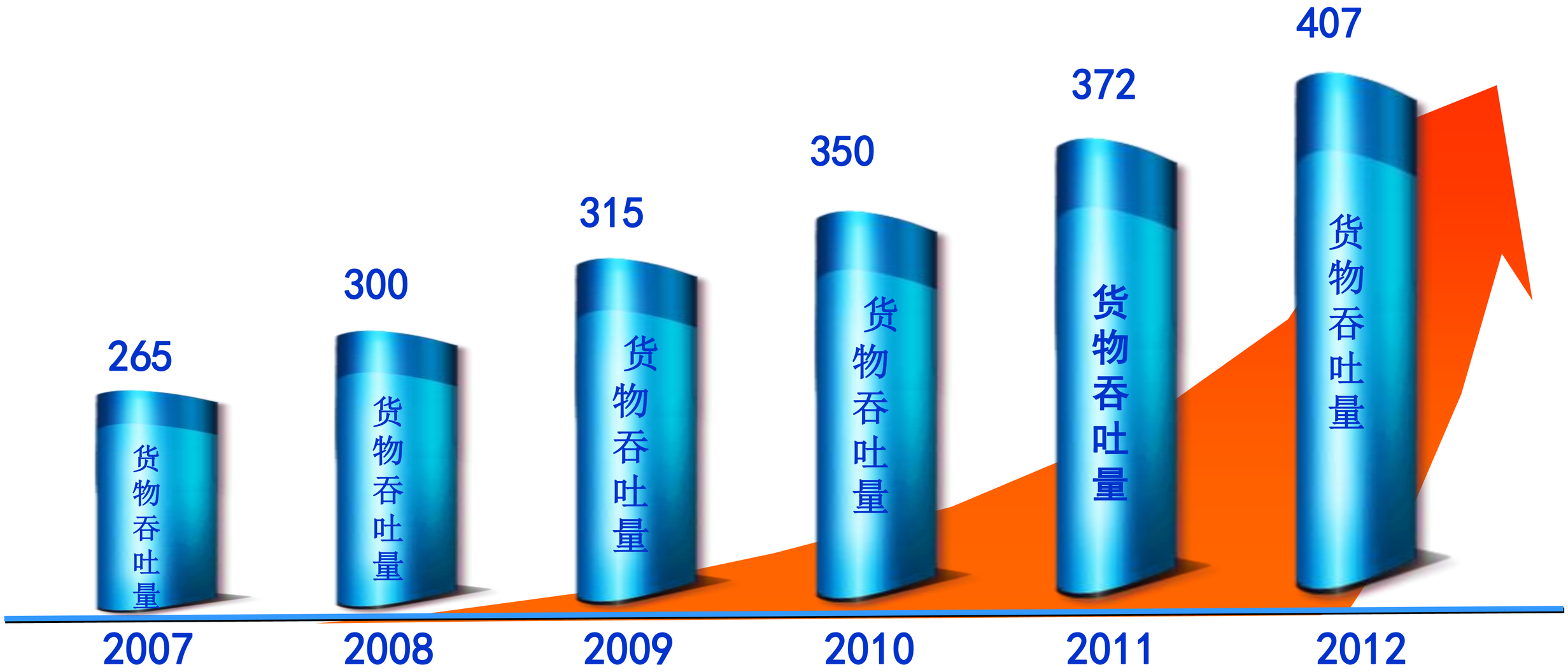


2012 Top 10 World Container Ports (Unit: million TEU)

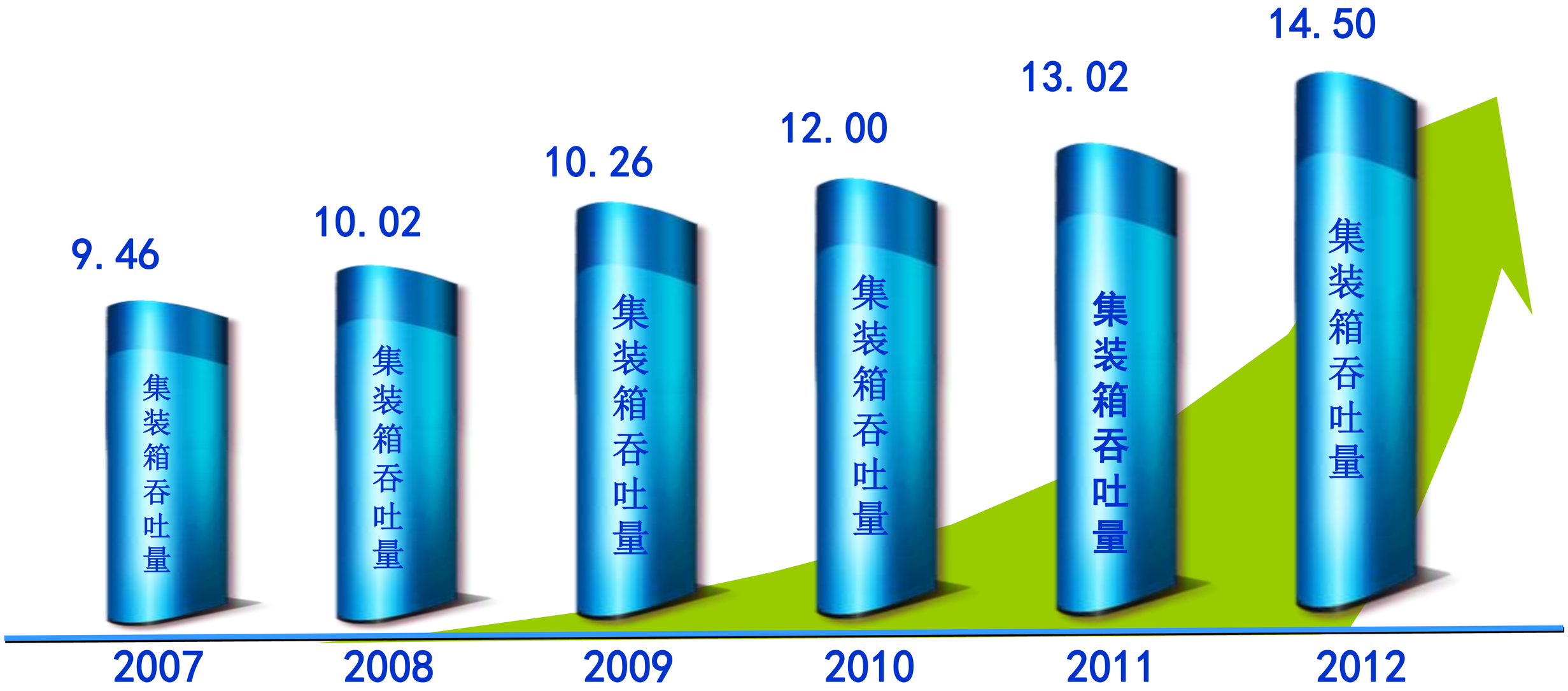


Shipping Service Network of Port of Qingdao

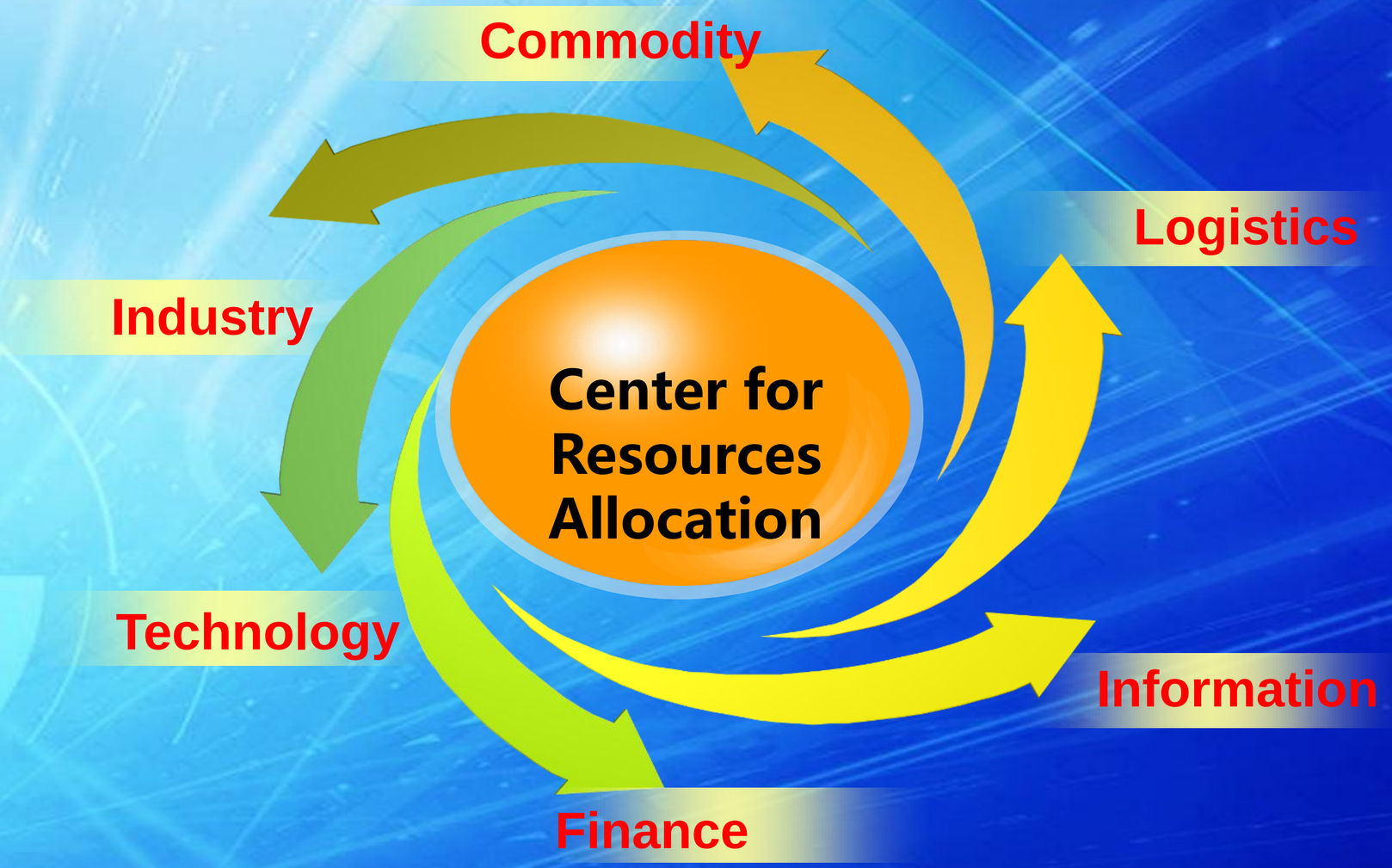
Cargo Volume Growth of Port of Qingdao (Unit: million tons)

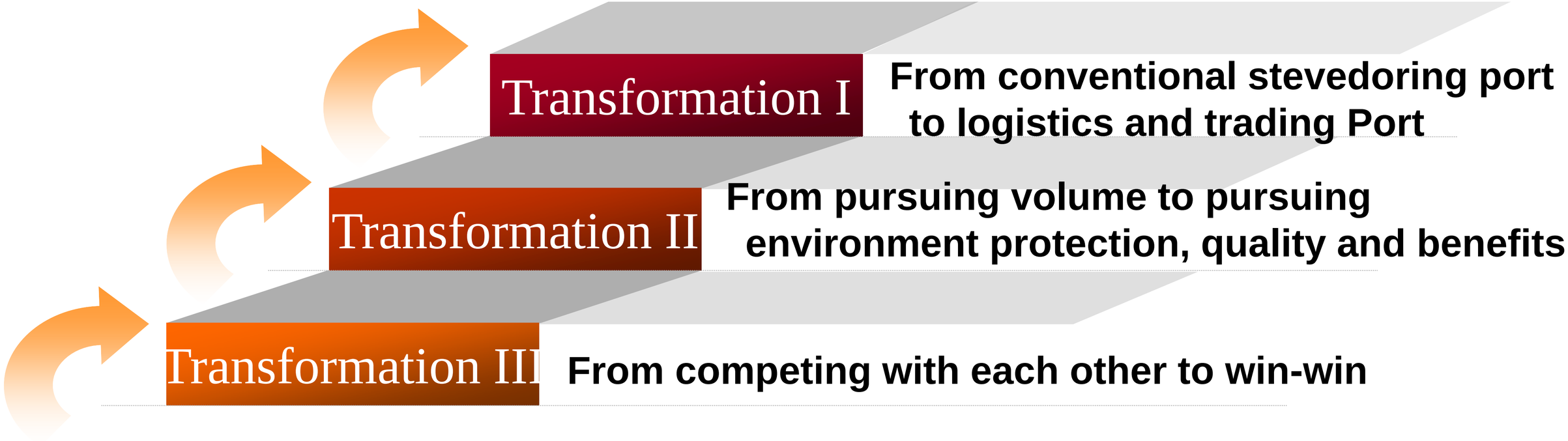


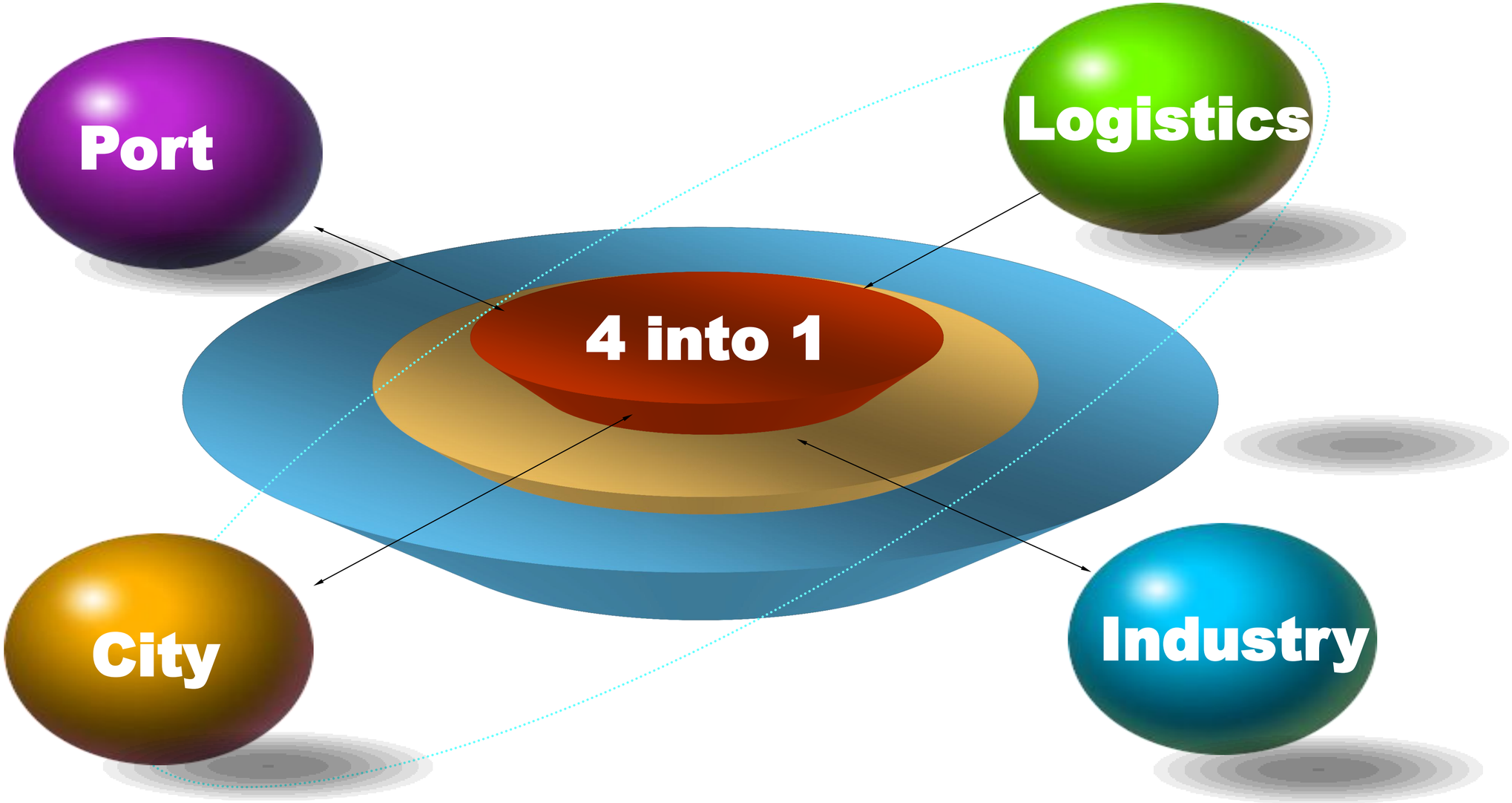
Container Volume Growth of Port of Qingdao (Unit: million TEU)



Growth over 30-Plus Years


Commodity
Logistics
Industry
Center for Resources Allocation
Technology
Information
Finance


Transformation I
From conventional stevedoring port to logistics and trading Port
Transformation II
From pursuing volume to pursuing environment protection, quality and benefits
Transformation III
From competing with each other to win-win


Port
Logistics
4 into 1
City
Industry

Forging Port’s Hard Power

- **Trend of large and dedicated vessels requires for bigger capacity of ports.**

Qingdao Qianwan Container Terminal

Maiden Call of CAM-CGM's 16,000TEU Vessel

MAERSK
NYK LOGISTICS
& MEGACARRIER
“达飞洪堡德”轮青岛港首航庆典
Celebration on the Maiden Call of CMA CGM ALEXANDER VON HUMBOLDT at Port of Qingdao
二〇一三年四月二十二日
22 April 2013
QQCT

300,000DWT Crude Oil Terminal of Qingdao

Planning Diagram of Dongjiakou Port Area of Qingdao

董家口港区已经建成11座码头，年通过能力达到1亿吨以上。2013年计划再建成9座码头，累计建成20座，年通过能力达到2.2亿吨。

2012年董家口港区完成吞吐量3006万吨。

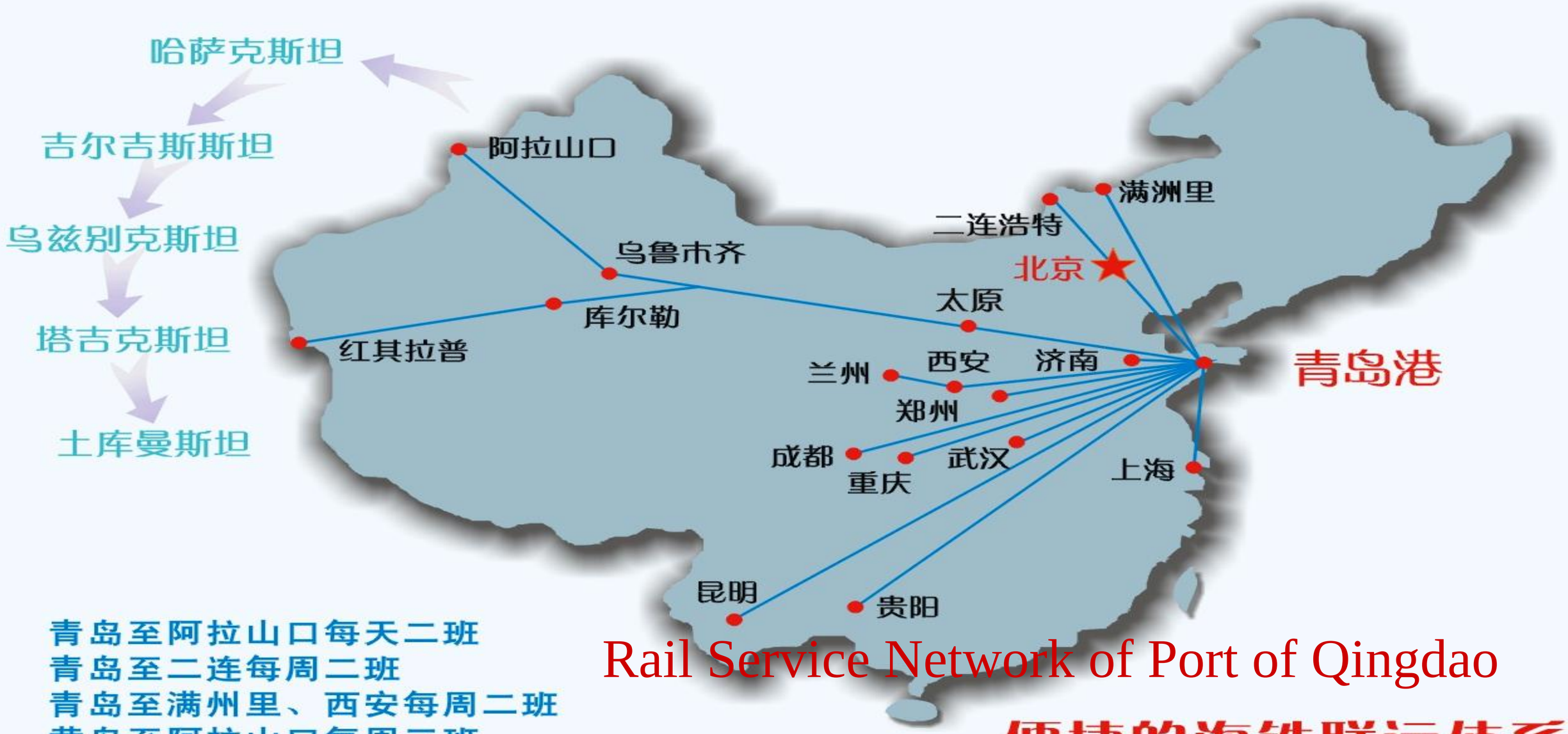
2013年截止3月底完成吞吐量1772万吨。

300,000DWT Iron Ore Terminal of Dongjiakou Port Area of Qingdao

- Port must break the boundaries between different transport modes of road, rail, water, air and pipe, develop intermodal transportation, and provide customers with “door-to-door” service with least cost.

Developing sea-rail transportation and bringing shipping services to inland cities

内陆地区最佳的出海口



青岛至阿拉山口每天二班
青岛至二连每周二班
青岛至满州里、西安每周二班
黄岛至阿拉山口每周三班

Rail Service Network of Port of Qingdao

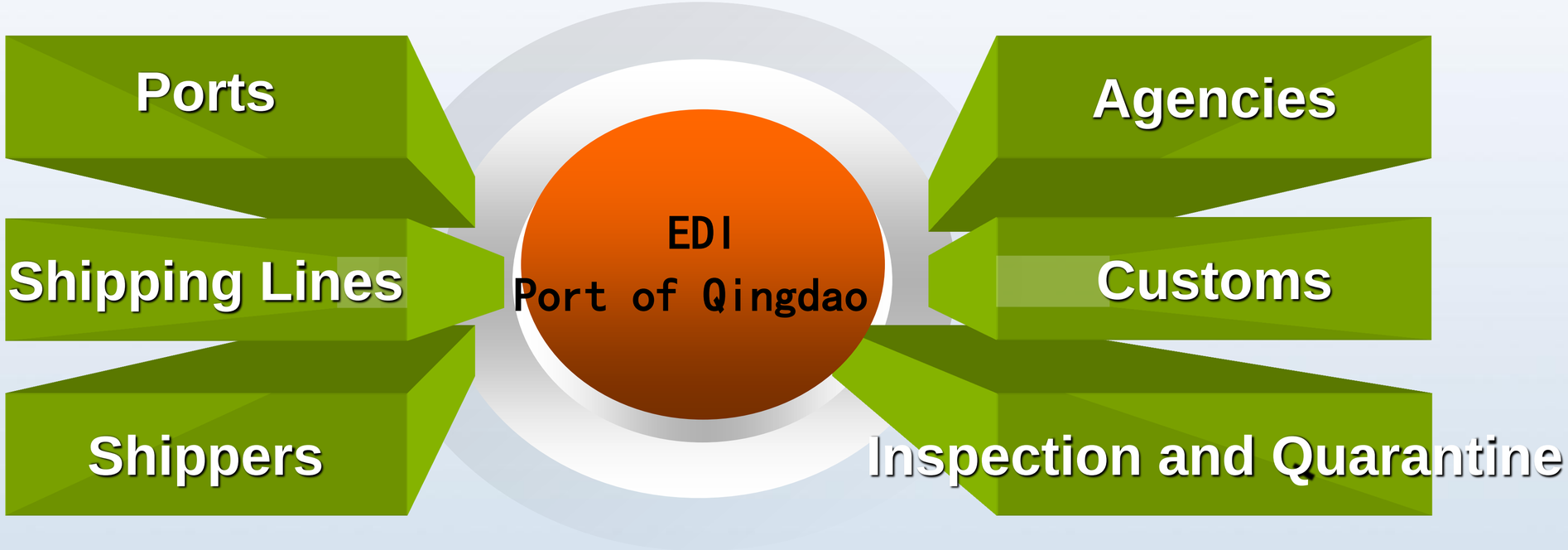
便捷的海铁联运体系

Opening Ceremony of Qingdao Passage for China-Korea Chassis Transportation

Qingdao Passage for China-Korea Chassis Transportation

Pipelines Connecting to Refineries

- **Hard power should be complemented by port community system。**


Ports
Shipping Lines
Shippers
EDI
Port of Qingdao
Agencies
Customs
Inspection and Quarantine

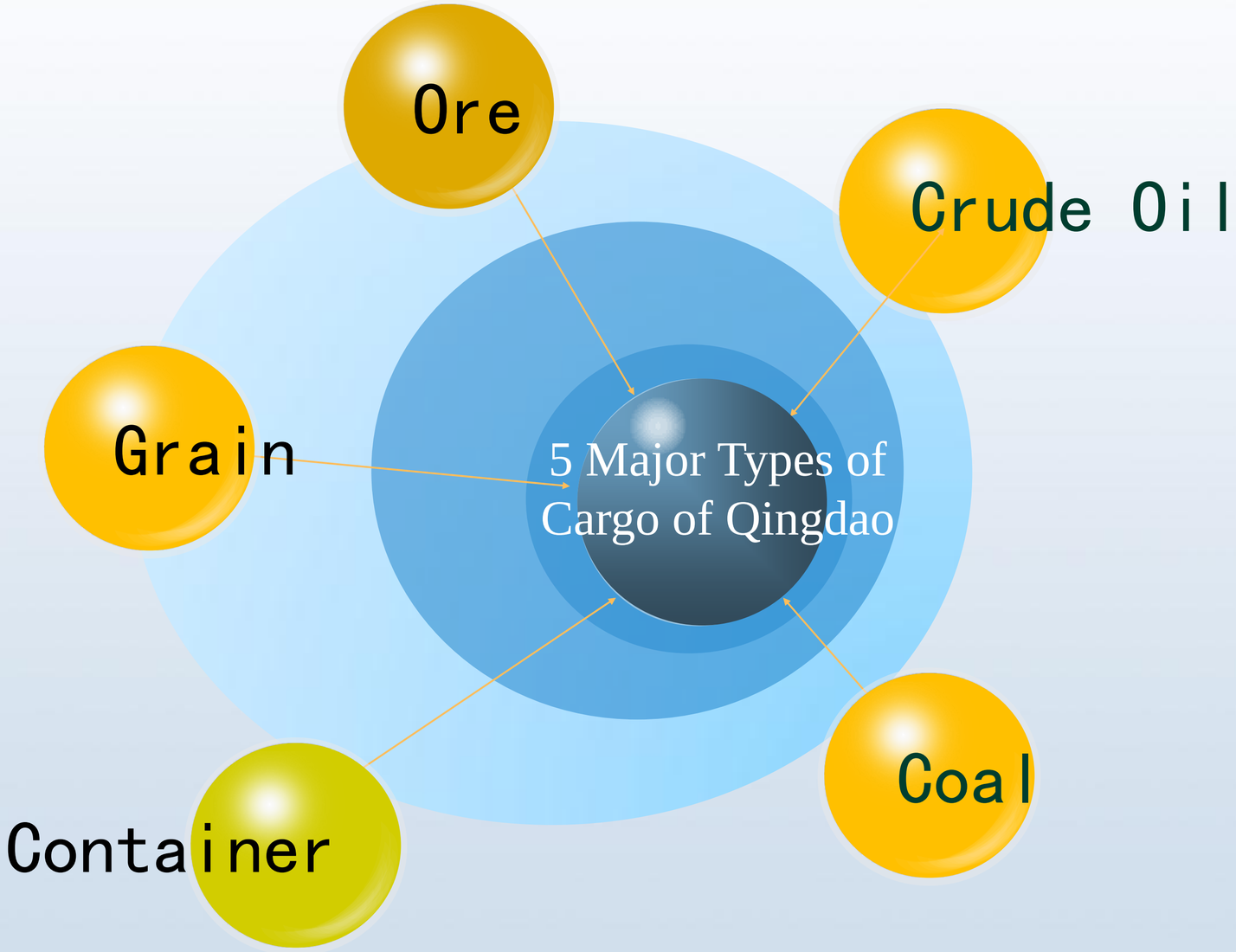
Operation Control Center of Port of Qingdao

Logistics Information Center of Port of Qingdao

中国青岛港
Port of Qingdao of China
加拿大中心港
CentrePort Canada
基于物联网技术的集装箱班轮航线合作签约仪式
Signing Ceremony for Cooperation of Container Liner Shipping Route Based on I.O.T. RFID
签约本
SIGN A TREATY BOOK
签约本
SIGN A TREATY BOOK
中国青岛港
Port of Qingdao, China
加拿大中心港
CentrePort Canada

Forging Port's Soft Power

- **As center for world economic exchanges, port should be globally oriented and have its strategic positioning.**


Ore
Crude Oil
Grain
5 Major Types of Cargo of Qingdao
Coal
Container

Cruise Home Port of Qingdao

SITC
COSCO
APL
EVERGREEN
OOCL
CMA
HMM
msc
MOL
ZIM

青岛前湾新联合集装箱码头有限责任公司合同签约仪式
JV Agreement Signing Ceremony for Qingdao Qianwan United Advance Container Terminal
美国总统轮船 海丰国际 招商局 迪拜环球 中远 马士基 泛亚 青岛港集团
APL SITC CMG DPW COSCO APMT PAISL QPG
二0一一年五月十九日 中国青岛
19 May 2011,Qingdao,China

青岛港集团（Qingdao Port Group）
万邦集团（IMC Group）
青岛港董家口万邦物流有限公司成立仪式
Inaugural Ceremony of Qingdao Port Dongjiakou IMC Logistics Co., Ltd.
二〇一三年
日•中国青岛
15 A
hina
青岛港董家口万邦物流有限公司
QINGDAO PORT DONGJIAKOU IMC LOGISTICS CO.,LTD.

Sister Ports of Qingdao

- Shimizu
- Shimotsu
- Wilhelmshaven
- Seattle
- Kochi
- Long Beach
- Colombo
- Barcelona
- Associated Ports of Iceland
- Klaipeda
- Busan
- Nantes Saint-Nazaire

- **Soft power also means brand effect: service, integrity, quality and efficiency.**

"Without shippers and shipping lines, Port of Qingdao would have no bread and butter; The satisfaction of customers is the standards of our work; Good price, simplified formalities and 24-hour service"

诚纳四海

Service Brand of Port of Qingdao: Serving with Sincerity

8 times breaking world record for container handling,
10 hour maximum turn-around time

Zero Damage in Beer Handling

- **Port's soft power also comes from a high-quality workforce. Vitality of port comes from the creativity of people.**

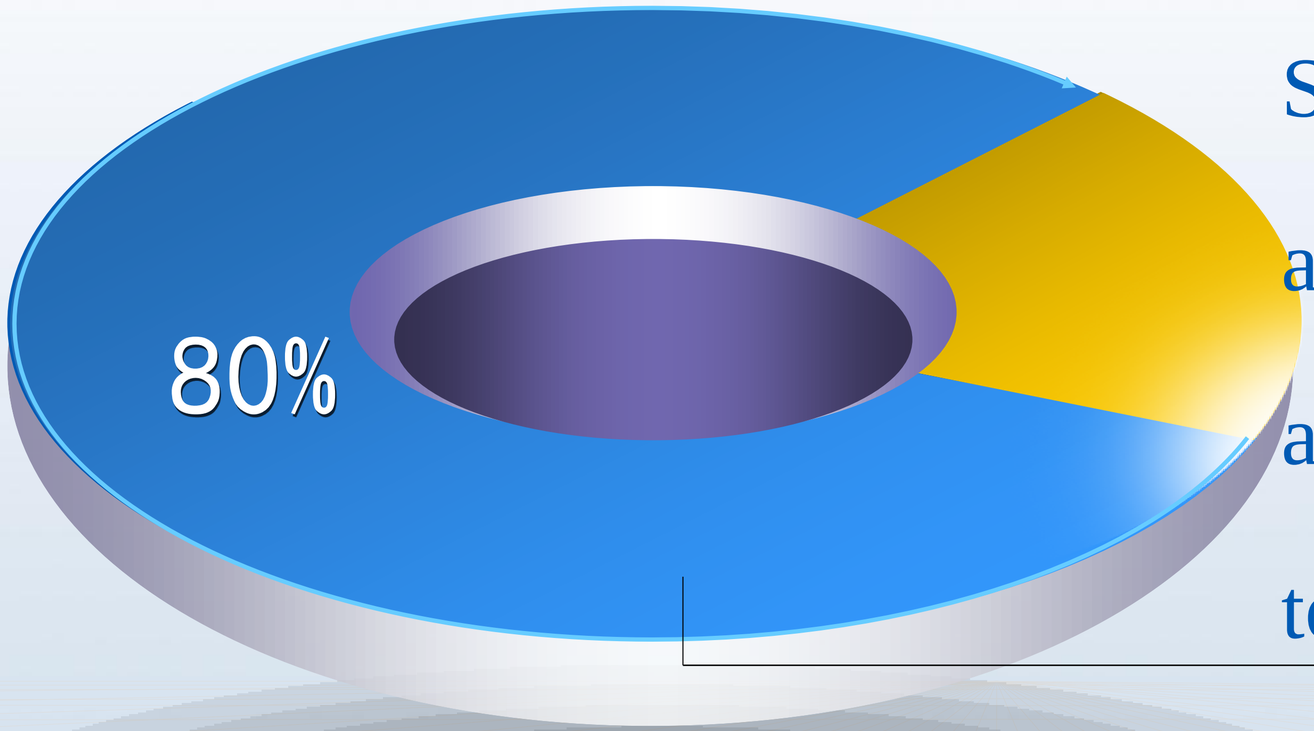
A High Quality Team of Employees

Xu Zhenchao and his team broke world record for container handling 8 times.

Sun Bo and his team broke world record for iron ore discharging 19 times.

Training Based on What is Needed

Training and Practicing



Senior workers, technicians and senior technicians account for over 80% of total workforce.

Forging Port's Green Power

- **Quay and land is non-renewable and therefore port must be resource-conserving.**

Huangdao Oil Port Area
青岛港黄岛油港区
Old Port Area
青岛港老港区
青岛港前湾港区
Qianwan Port Area
Dongjiakou Port Area
青岛港董家口港区
青岛港位置示意图

Realizing throughput tripling designed capacity by taping potentials and improving management

- **Environment protection should be taken into consideration in port operation to realize harmony between man and nature, and between port and society.**

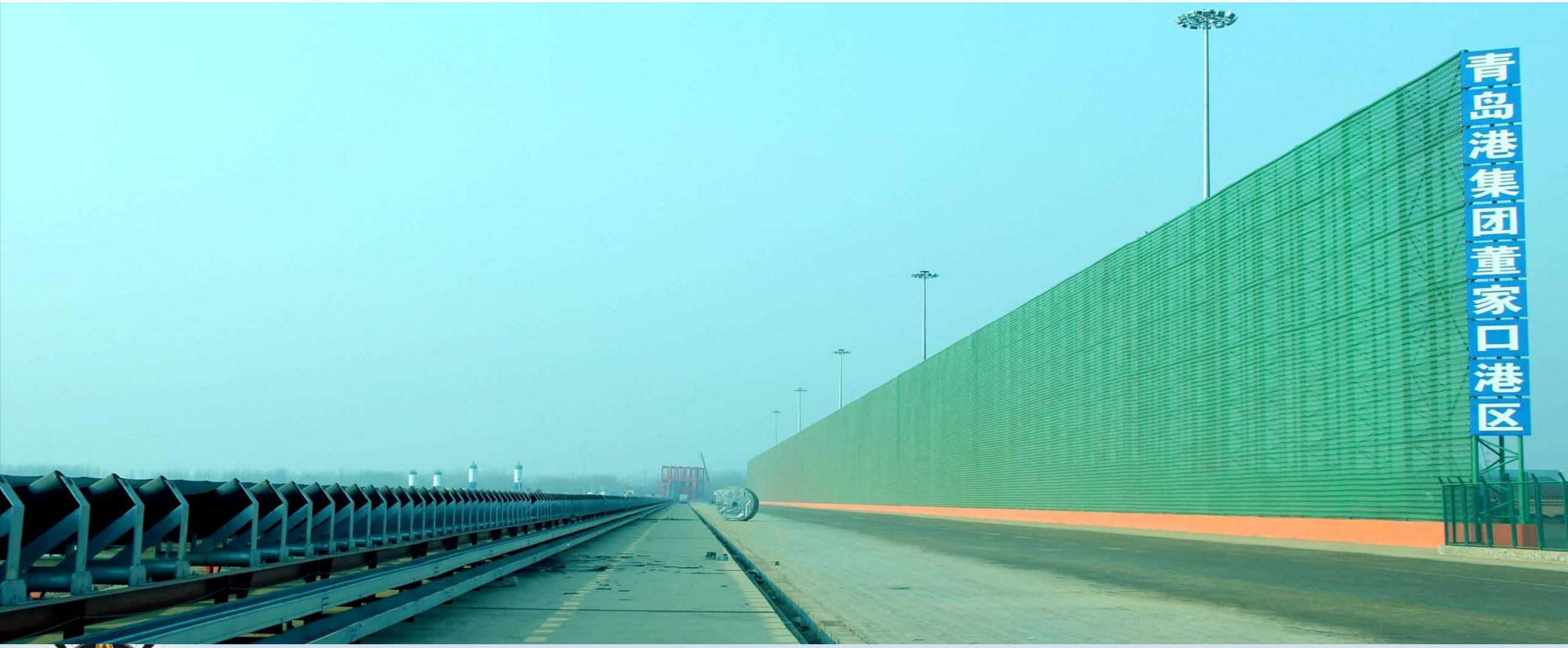
3 Environment Protection Projects of “Assure Sky, Green Land and Clean Water”

Dust Suppression Wall

Spraying Water over Coal

Covering Stacks of Iron Ore

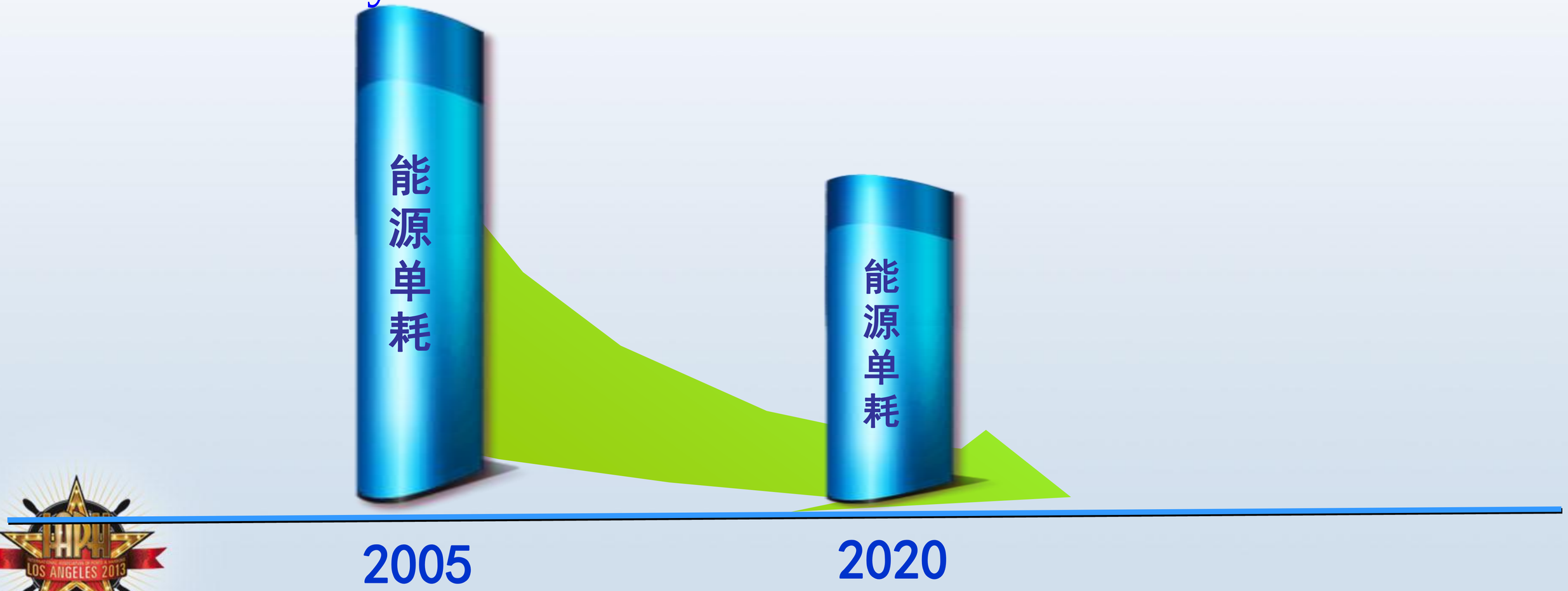
Vehicle Washing Pool



Dust Suppression Wall in Dongjiakou Port Area

- **Green power also means energy conservation and emission reduction, to which great importance should be attached.**

Unit energy consumption decreased by 40% during 2005-2020, annually down 3.35%



Energy Consumption Monitoring System

Oil-Electricity Conversion of RTG

Yard with Oil-Electricity Converted RTGs

Thank you !