

PR Material

The Best Master in Shipbuilding & Marine

2010. 03.31

ORIENTAL

ORIENTAL
SHIPPING & TRADING COMPANY, LTD.

OHI

OPM

OPI

OMI

YOPCO

YOPCO

DOTS

OPCO SINGAPORE

OPCO JAPAN

Contents

ORIENTAL

Company

- ... Overview
- ... CEO
- ... History of winning a prize
- ... History
- ... VISION 2015
- ... Motto & Philosophy
- ... Location
- ... Business field
- ... Organization
- ... Major Customer
- ... Overseas Affiliates
- ... Domestic Affiliates

Business Area

- ... Offshore Plant
- ... Superstructure
- ... Machinery

Management Results

- ... Sales & Exports
- ... Production Business(Superstructure)
- ... Production Business(Machinery)



Company Overview

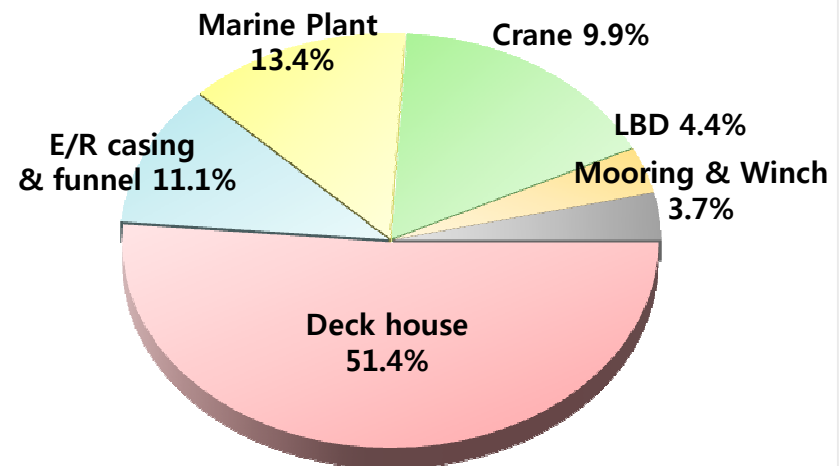
ORIENTAL

Company Overview

- Established : 1980. 7. 19
- CEO : Chong-Suk Suh / Sang-Won Suh
- Major Products : Structure and Machinery in Shipbuilding & Marine
- Paid in Capital : KRW 10.7 Billion
- Business : KRW 455.6 Billion (2009)
- Number of employees: 580
- Land : Jinhae 122,314 m²
Busan 23,140 m²

Sales Breakdown

By December 2009



CHAIRMAN, CHONG SUK SUH



CHONG SUK SUH, Born in 1943

- Educational Background
Paichai high school (Mar, 1957 ~ Feb, 1960)
The Korean literature course, Yonsei University (Mar, 1960 ~ Feb, 1964)
- Former Occupation
"Science World" weekly magazine (1965-1971)
An executive director in The Korea Shipbuilding Corporation (1971-1986)
- Current Occupation
CEO (Chairman), ORIENTAL P&E
Chairman of directors in OMI
- Appointment to an office
Board Director in Busan Marine Equipment Association
The 20th Senator of The Busan Chamber of Commerce & Industry
The Chief of CEO Club in IBK (Industrial Bank of Korea)
- Citation
Awarded The prize of Korea cooperation between employer and employee in 2010
Won the a man of merit award for unemployment measure (2008)
Won the Best Export Company Award (2006)
Won the 'Sliver Pagoda' medal of industry (2003)

PRESIDENT, SANG WON SUH



SANG WON SUH, Born in 1969

- Educational Background
Yeoido high school (Mar, 1984 ~ Feb, 1987)
Iowa State Univ. (Mar, 1992 ~ Feb, 1996)
- Former Occupation
Sales Dept. in HI-AIR KOREA (1996~1999)
Manager of Management Dept in ORIENTAL (2000~2002)
Assistant department manager of QM in ORIENTAL (2003)
Department manager of Production management Dept in ORIENTAL (2004)
Director of Administration Division & Chief of Planning & Coordination office in ORIENTAL (2005~2006)
Executive managing director of Administration Division & Chief of Planning & Coordination office in ORIENTAL (2007)
Vice president in ORIENTAL (2008)
- Current Occupation
President (CEO) in ORIENTAL
Chairman of directors in YOPCO
- Appointment to an office
Board director in OHI, OPI
- Citation
Won The Industry Harmony Award (2009)

History of winning a prize

ORIENTAL



1991.11.30

Awarded 5 Million
USD Export Tower



1994.11.30

Awarded 10 Million
USD Export Tower



2001.11.30

Awarded 30 Million
USD Export Tower



2003.11.30

Awarded 50 Million
USD Export Tower

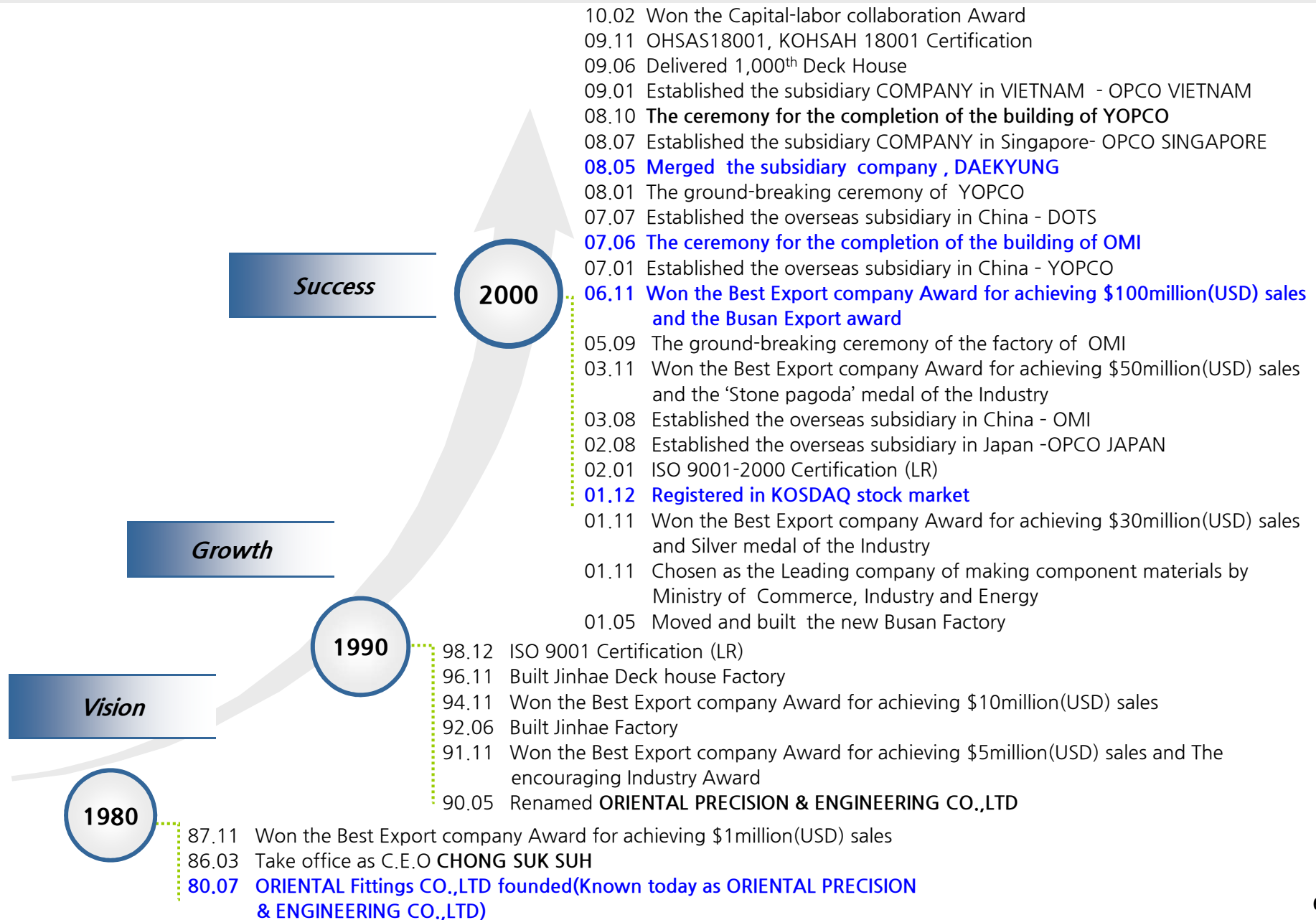


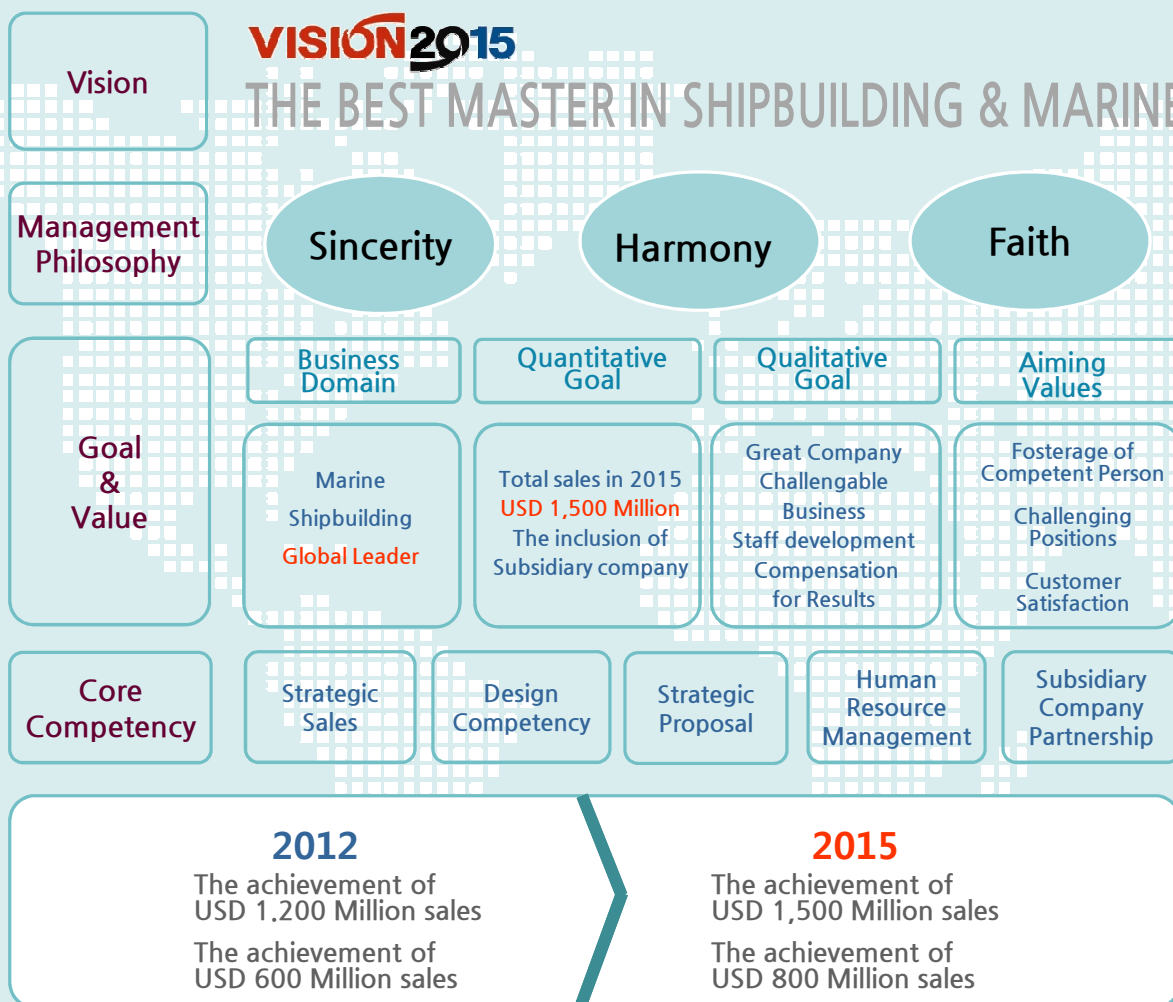
2006.11.30

Awarded 100 Million
USD Export Tower

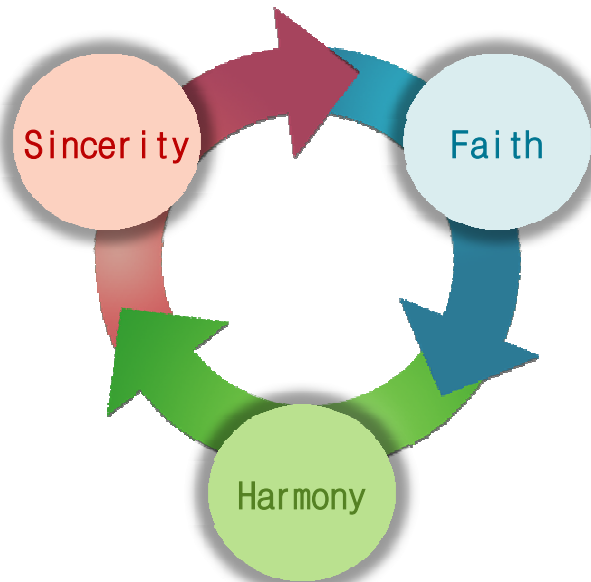
History

ORIENTAL





Motto



- ▶ **Sincerity** : Oneself, Exercise, Sincerity
Always try the best at work regarding customers as our priority
- ▶ **Harmony** : The same company, Acquaintance, Concord All employees are together as one Whole body with great camaraderie
- ▶ **Faith** : Foreign, Faith, Adherence
Run as one of the most substantial Ship Machinery companies.

Philosophy

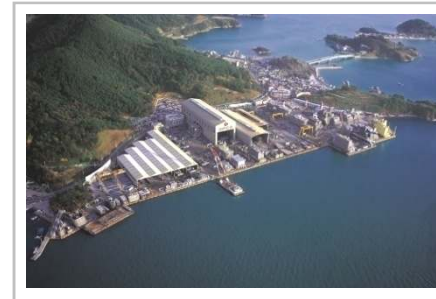


- ▶ OPCO aims at giving Customers our first priority
In pursuit of the best Technology, Quality, Trust and Safety

Location(Domestic)

ORIENTAL

Domestic



Jinhae Factory

Land : 122,314 m²
Building Area : 24,815 m²



Head office & Busan Factory

Land : 23,140 m²
Building Area : 7,881 m²



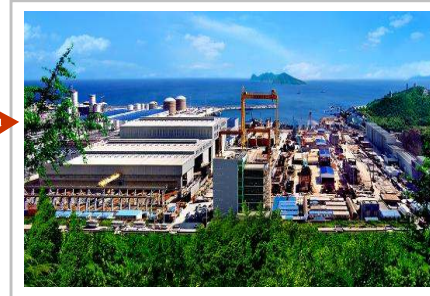
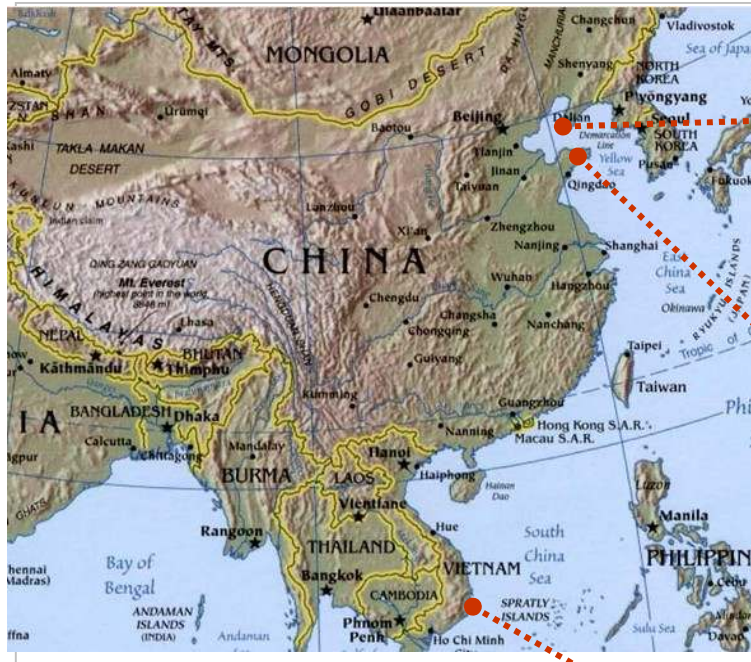
Kwangyang Factory

Land : 152,575 m²
Building Area : 24,449 m²

Location(Overseas)

ORIENTAL

Overseas



Dalian Factory

Land : 262,509 m²
Building Area : 45,701 m²



Yantai Factory

Land : 28,050 m²
Building Area : 9,166 m²



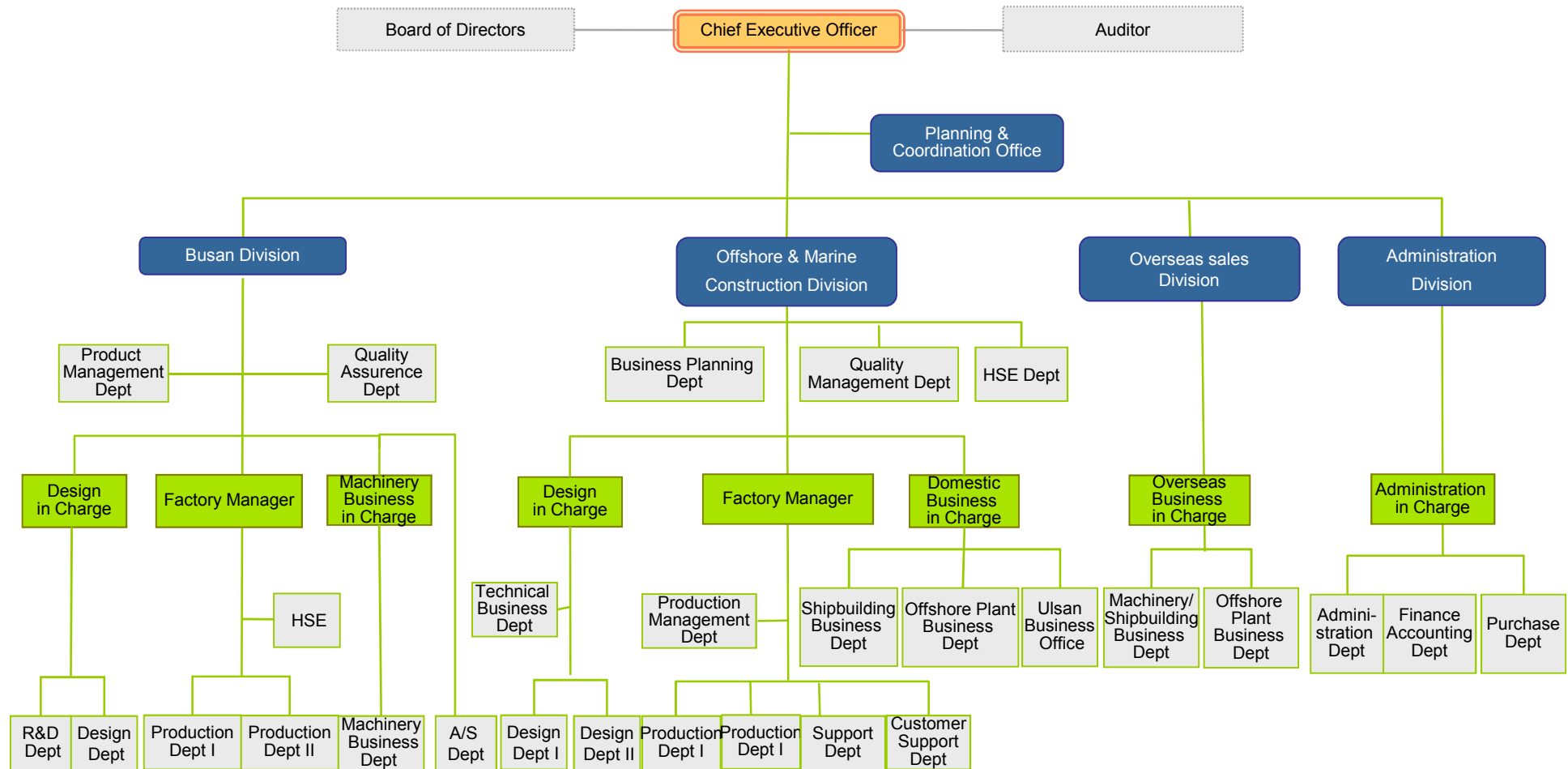
Vietnam Factory

Built the Vietnam Factory
by January 2008

Business Structure

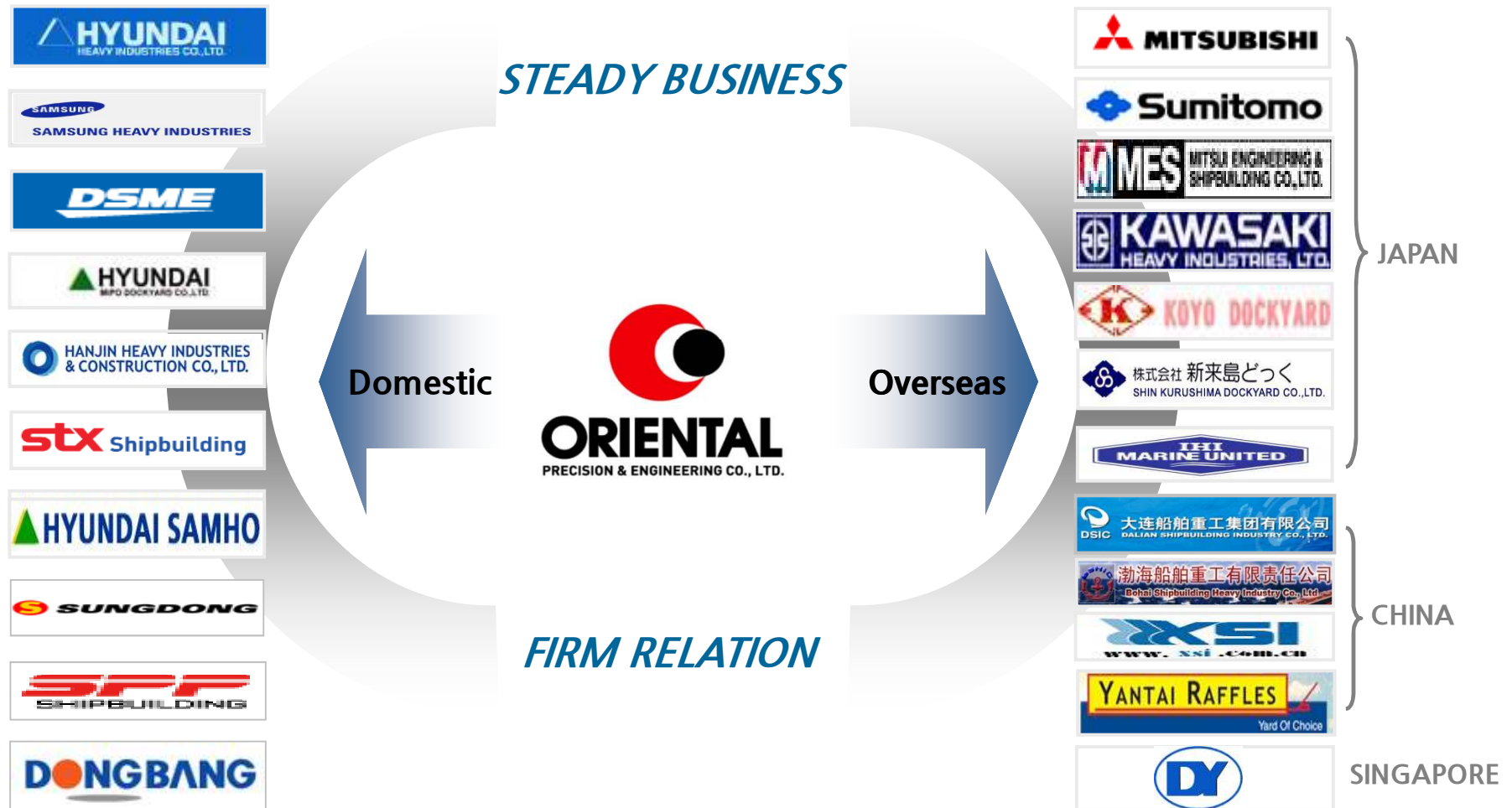
Business Field	Main Product	Major customer	Annual Production Capacity
Shipbuilding	<ul style="list-style-type: none"> • Deck House • Engine Room Casing • Funnel • Mega Block 	<ul style="list-style-type: none"> • Hyundai Heavy Industries Co.,Ltd. • Samsung Heavy Industries Co.,Ltd. • STX Offshore & Shipbuilding Co.,Ltd. • Daewoo Shipbuilding & Marine Engineering Co.,Ltd. • Hyundai Mipo Dockyard Co.,Ltd. • Mitsubishi Heavy Industries, Ltd. • Mitsui Engineering & Shipbuilding Co.,Ltd. • Kawasaki Heavy Industries, Ltd. • Koyo Dockyard Co., Ltd. • Sumitomo Heavy Industries Marine & Engineering Co.,Ltd. • Shin Kurushima Dockyard Co.,Ltd. • Dalian Shipbuilding Industry Co. • Bohai Shipbuilding Heavy Industries Co.,Ltd. 	<ul style="list-style-type: none"> • Deck House : 100ship • Engine Room Casing : 80ship • Funnel : 130ship
Marine	<ul style="list-style-type: none"> • Accommodation Barge • Heavy Cargo Carrier • Skid Barge • Hopper Barge • Deck Box • Living Quarter • Power Barge 	<ul style="list-style-type: none"> • Dae Yang Engineering Pte.Ltd. • Yantai Raffles Shipyard Co.,Ltd. • Dongbang Transport Logistics Co.,Ltd. 	6ship
Machinery	<ul style="list-style-type: none"> • Crane • Deck Machinery • Boat Davit 	<ul style="list-style-type: none"> • STX Offshore & Shipbuilding Co.,Ltd. • Hyundai Samho Heavy Industries Co.,Ltd. • Hyundai Heavy Industries Co.,Ltd. • Sungdong Shipbuilding & Marine Engineering Co.,Ltd. • SPP Shipbuilding Co.,Ltd • SLS Shipbuilding Co.,Ltd 	<ul style="list-style-type: none"> • Crane : 1,100ship • Deck Machinery : 50ship • Boat Davit : 440ship

Organization



Major Customer

ORIENTAL



Domestic Affiliates

☑ Oriental Heavy Industries Co.,Ltd.



- Business Field Offshore structure, Block, Deck House, Product Offshore steel-structure, steel preprocessor
- Foundation Date 1995.08.01
- President Jin-sup Kim, Sang-won Suh
- Capital Assets 3,800 million KRW
- Location JinKyo Factory: Gyeongsangnam-do Hadong-gun Kwangyang Factory: Jeollanam-do Kwangyang-si



☑ Oriental Precision Machinery Co.,Ltd.













- Business Field Manufacturing small Machinery
- Foundation Date 2004. 06. 01
- President Suk-won Jang
- Capital Assets 1,000 million KRW
- Location Gangseo-Gu, Busan

☑ Oriental Inspection & Service Co.,Ltd.



- Business Field Inspection Boat Davit Education for Safety
- Foundation Date 2005.07.19
- President Se-chul Pack
- Capital Assets 200 million KRW
- Location Gangseo-Gu, Busan

Overseas Affiliates

 Dalian Oriental Marine & Heavy Industry Co., Ltd.		<ul style="list-style-type: none">▪Business Field Offshore - Superstructure▪Foundation Date 2003.08.08▪President Joon-won Suh▪Capital Assets 52,500,000 USD▪Location Dalian, China
 Yantai Oriental Precision & Engineering Co., Ltd.		<ul style="list-style-type: none">▪Business Field Deck Machinery , Outfittings▪Foundation Date 2006.12.04▪President Hye -chun Choi▪Capital Assets 5,600,000 USD▪Location Yantai, China
 Oriental Precision(Dalian) & Technical Service Co., Ltd.		<ul style="list-style-type: none">▪Business Field Superstructure Design▪Foundation Date 2007.07.23▪President Lin xi-ping▪Capital Assets 200,000 USD▪Location Dalian, China
 Oriental Vietnam Precision & Engineering Co., Ltd.		<ul style="list-style-type: none">▪Business Field Deck House, Superstructure▪Foundation Date 2008.09.09▪President Seong-ho Lee▪Capital Assets 1,200,000 USD▪Location Vietnam
 OPCO Singapore / OPCO Japan		<ul style="list-style-type: none">▪Business Field Marketing▪Foundation Date 2008.06.03 / 2002.08.02▪Location Singapore/Japan

Offshore Plant

ACCOMMODATION BARGE



- ▶ Offshore structure which is anchored by a marine structure such as rig ship and provide comfortable and pleasant accommodation to workers
- ▶ Generally 300 to 400 in number of persons
- ▶ It is used to support Offshore structure



Offshore Plant

HEAVY CARGO CARRIER



- ▶ To transfer by loading of large and small goods on the hull's upper
- ▶ Designed to be used as a sailing
- ▶ Easy freight loading and unloading of goods.
- ▶ Excellence workability with minimized ballast weight for the ship's balance



HOPPER BARGE



- ▶ Designed to carry materials, like Rocks, sand, soil and rubbish, for dumping into the ocean, a river or lake for land reclamation.
- ▶ On the bottom of the barge hull has a "hopper door", The door(s) open when the ship has arrived at the spot where the materials are to be dumped



Offshore Plant

SKID BARGE



► Skid Barge generally represents special equipment used on the sea rather than Dock which is space for shipbuilding.

► By using Skid Barge, the budget and time for building Dock could be saved and the land space could be used effectively to enormously increase productivity.

DECK BOX



► Semi-submersible Drilling Rig is Deep-sea drilling structure equipped with living space called Deck Box,
► Provides comfortable accommodation to workers and increases efficiency of work.

LIVING QUARTER



► For the living quarters installed on the ocean structure, we produce it as a turnkey base

► To provide convenient and pleasant living facilities to the sailors who work long time on the sea, so that they can improve their productivities at best

POWER BARGE



► Mobile power plant
► Operation is comfort and transfer is easy
► Same construction of land power plant is constructed easily more than low-priced and short period of construction

Superstructure

DECK HOUSE



► Main Product

► Large and heavy structure of 9 stories and 1,500 tons at max

► Delivered to shipbuilding yard after completion of interior works

► The inside of Deck House has the residential for crews daily life, offices, cargo control room and navigation room



► The first production was put in 1994

► The annual production capacity is 100 units

► The world's top items of production of a single plant

► Since 2004, we have been improving technical competitiveness by designing overall system for ourselves

Superstructure

ENGINE ROOM CASING & FUNNEL



- ▶ Placed in the upper of engine room
- ▶ Has main engine, power generator and boiler of ship, equipped with discharge facility of gas wastes
- ▶ Producing 70 units a year since the first production in 1993



- ▶ Placed in the upper of Engine Room Casing
- ▶ Discharges various waste gases from the ship
- ▶ Inside it has gas pipes and outside it carries a logo
- ▶ Producing 130 units a year since the first production in 1989



HULL BLOCK

- ▶ Hull structure
- ▶ produced as one form of stern block and engine room unit block
- ▶ Because it was workplace used to weather effect short period of construction
- ▶ After the finish work, using self-jack up transporter forwarding



Machinery

DECK CRANE



- ▶ GBD Type
- ▶ Designed / manufactured in compliance with rules and regulations of classification
- ▶ Handling of general cargo of bulk carrier
- ▶ SWL 25~36 ton
- ▶ Working radius 20~30m

KNUCE CRANE



- ▶ Cylinder luffing Type
- ▶ Knuckle Jib, Designed by Jib Articulated
- ▶ The special crane can drive a wide range of narrow place
- ▶ As drill ship or FPSO using a special ship installation space is narrow main equipment.

HOSE HANDLING CRANE



- ▶ Manufactured/ tested in compliance with the requirement "OCIMF"
- ▶ Best advantage of handling oil hose for the ships of tanker, VLCC, ULCC, LNG and LPG
- ▶ Lifting capacity is available up to 20tons and max
- ▶ 30m jib length, slewing angle is available "Endless"

SLEWING CRANE



- ▶ Electric motor driven
- ▶ Fixed boom
- ▶ Loading the Dredger deck collect and carry the sand in sea bottom

Machinery

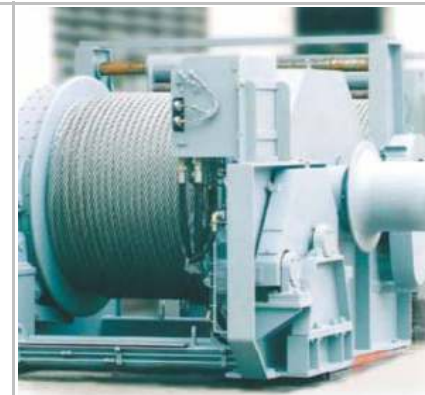
DECK MACHINERY

- ▶ High-pressure hydraulic Type
- ▶ Manufactured/ tested in compliance with “ISO” and “OCIMF”
- ▶ Lifting capacity is available up to 30tons and max



POSITIONING & ANCHOR MOORING WINCH

- ▶ Installed on the deck and the special equipments for mooring of ships
- ▶ Designed durable structure, is available up to 200tons
- ▶ Winch control is able to keep back the programmed anchoring parameter, decode the length and the rope tension etc at the central controlroom and surrounding areas



PROVISION CRANE



- ▶ Electro-hydraulic Type
- ▶ Driven self contained power pack, cylinder luffing type
- ▶ Tested in compliance with requirements of lifting appliances
- ▶ Used generally for the handling provisions and engine spares for most ships
- ▶ Lifting capacity up to 12.5 tons
- ▶ Outreach up to 22 meter

MONORAIL CRANE



- ▶ Tested in compliance with requirements of lifting appliances
- ▶ Used generally for the handling provisions and engine spares for Container
- ▶ Lifting capacity up to 13 tons
- ▶ Outreach up to 7.5 meter

Machinery

ENGINE ROOM CRANE



- ▶ Tested in compliance with requirements of lifting appliances
- ▶ Used for the maintenance of main engine for all kind of ships
- ▶ Lifting capacity up to 13 tons
- ▶ Span max 10 meters

OFFSHORE CRANE



- ▶ Designed / manufactured in compliance with API-2C's certification and the latest international standards
- ▶ Optimal design is available to various sea states

FREE-FALL BOAT DAVIT & WINCH

- ▶ Installed on stern
- ▶ Launched onto water by its own weight
- ▶ Gravity lowering type
- ▶ Pivoting arm equipped driving winch is used for launching the boat with an alternative "controlled" mode for recovering the boat back to stowage position



LIFE BOAT DAVIT

- ▶ Hinged gravity Davit
- ▶ Handling life boat mounted on the ship without power
- ▶ Designed / manufactured in compliance with SOLAS and MED

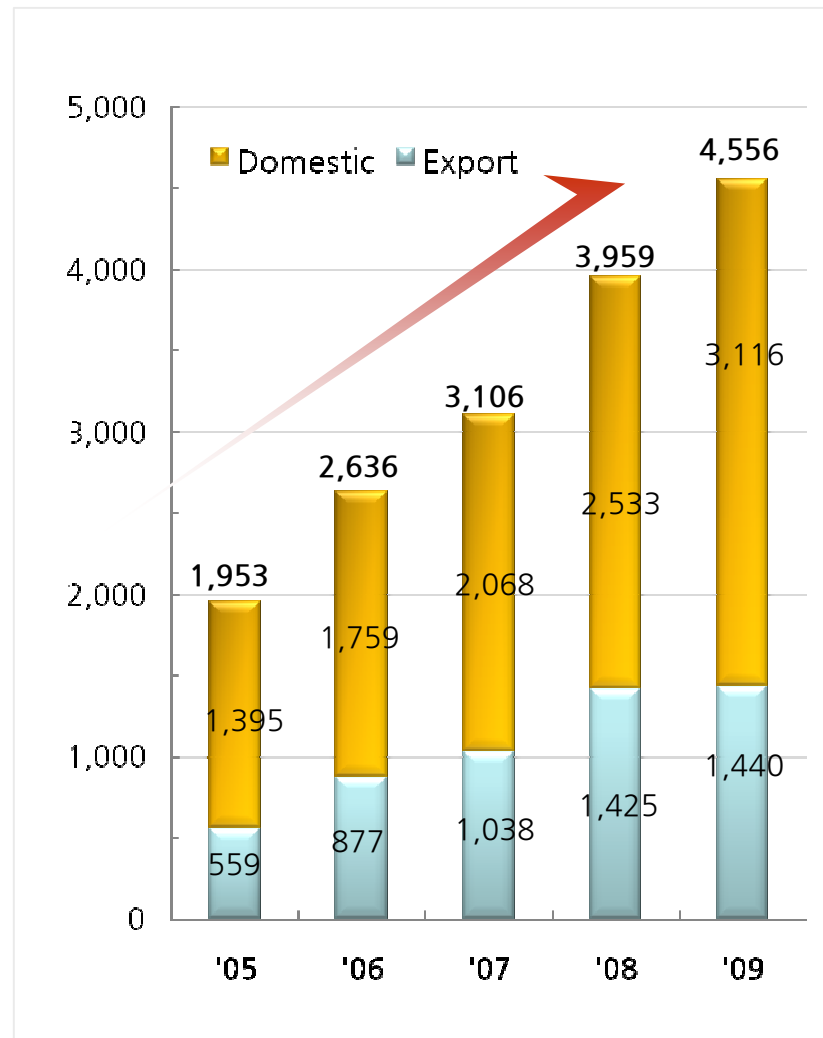


Management Results

ORIENTAL

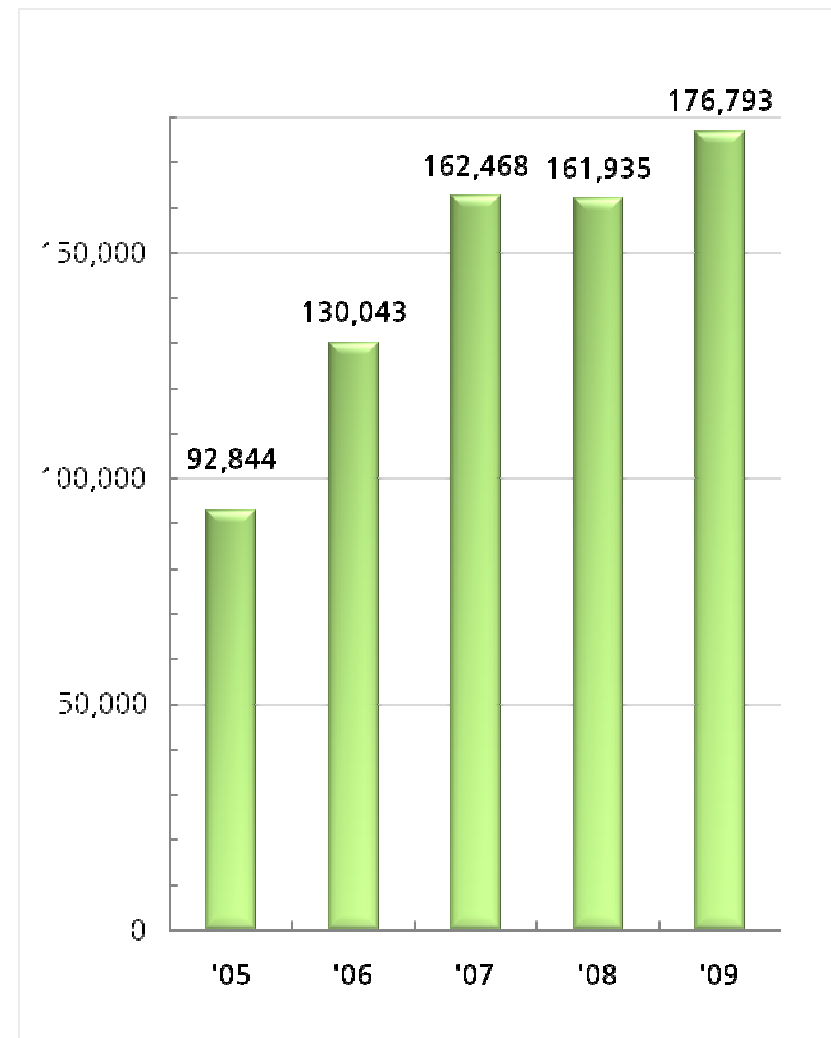
Sales

UNIT: KRW 100million



Exports

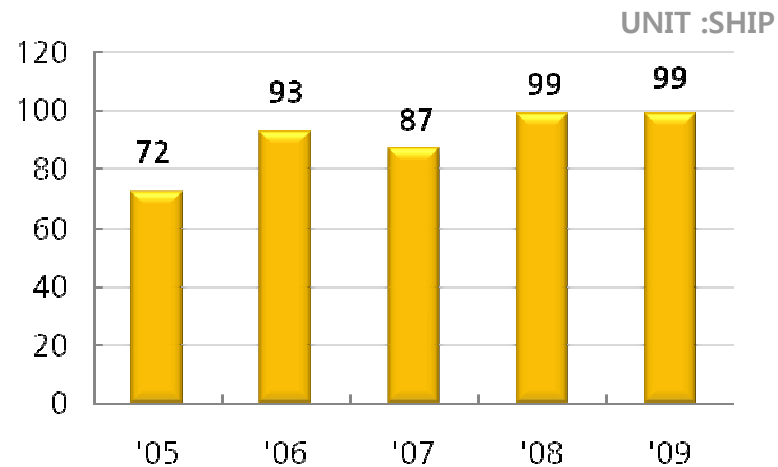
UNIT : 1,000 USD



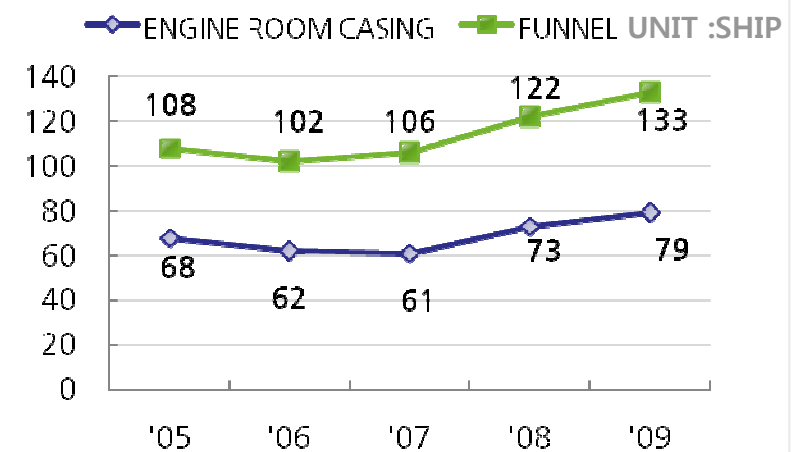
Production Business

ORIENTAL

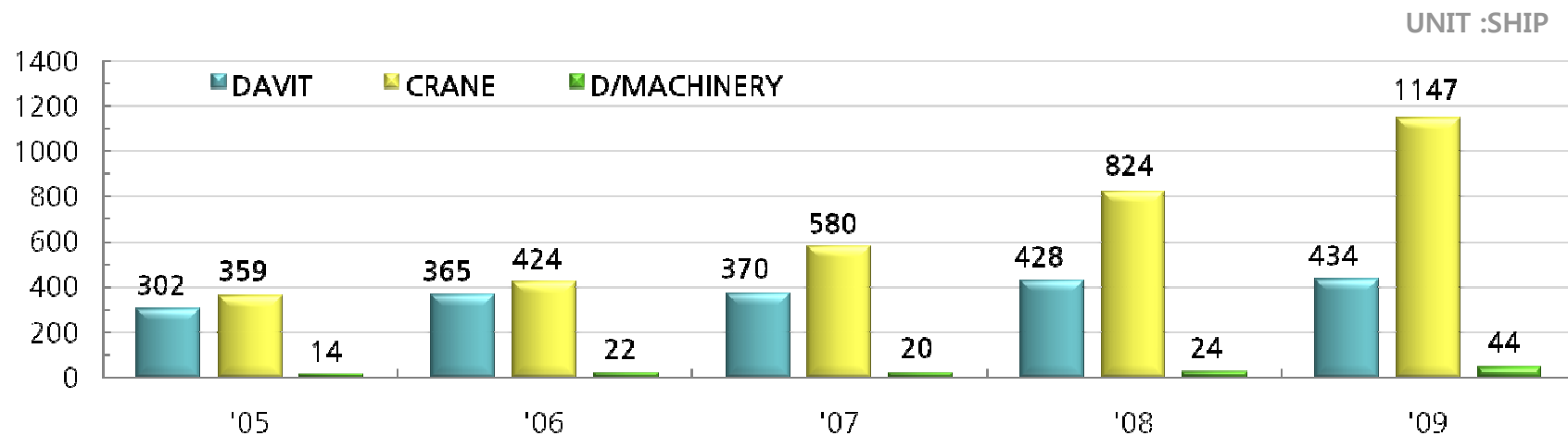
DECK HOUSE



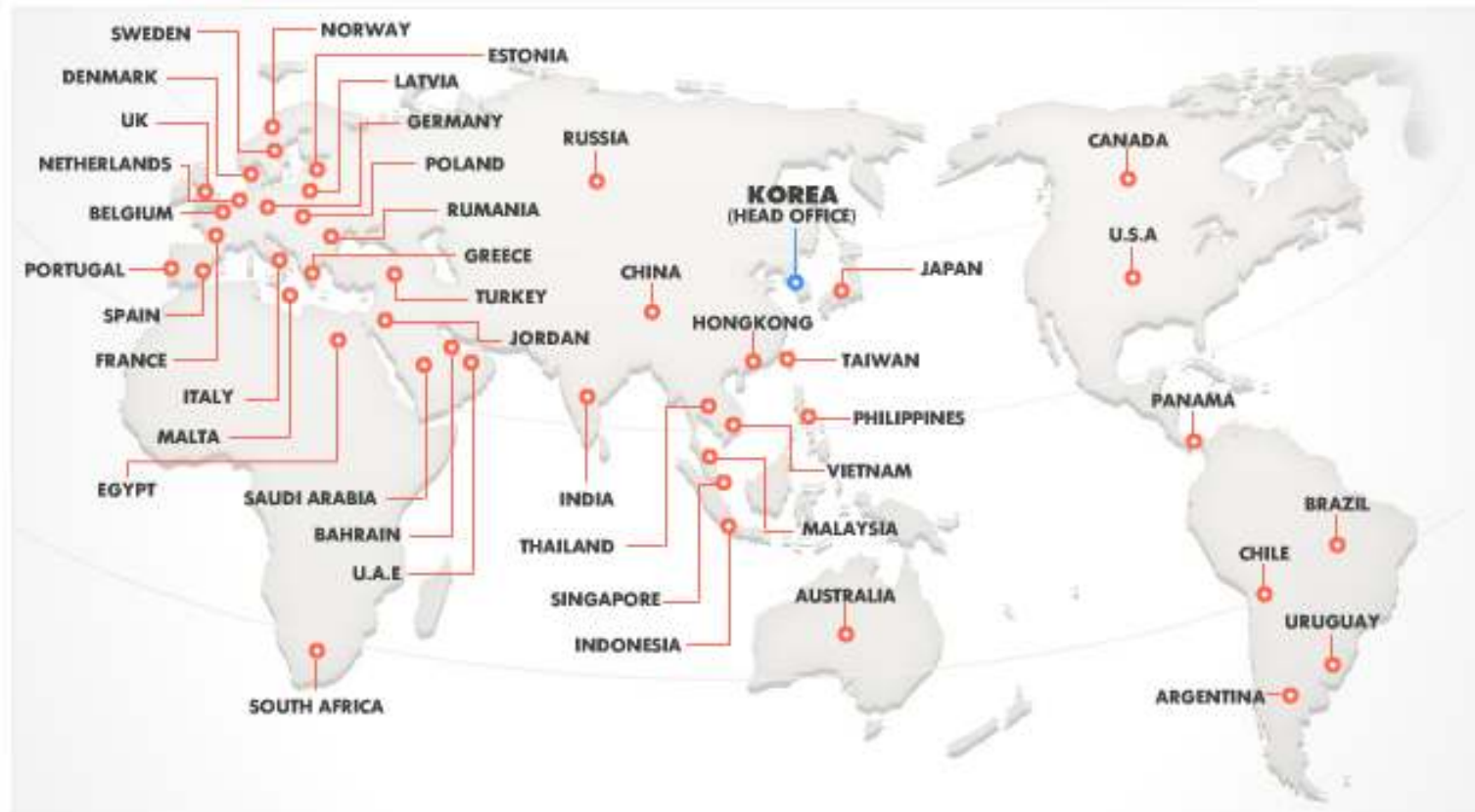
ENGINE ROOM CASING & FUNNEL



MACHINERY



Agent list - Overseas





Q&A

ORIENTAL

ORIENTAL
SHIPPING & TRADING COMPANY, LTD.

OHI

OPM

OPI

OMI

YOPCO

YOPCO

DOTS

OPCO SINGAPORE

OPCO JAPAN



Thank you.

www.opco.co.kr

ORIENTAL

ORIENTAL
ENERGY & TRANSPORTATION CO., LTD.

OHI

OPM

OPI

OMI

YOPCO

YOPCO

DOTS

OPCO SINGAPORE

OPCO JAPAN