
Dec. 2011
METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study.

Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications.

Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include NBS(National Bureau of Statistics of China), China Customs, Wind and so on.

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

Report Objectives

◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.

◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.

◆ To complement the organizations’ internal competitor information gathering efforts with strategic analysis, data interpretation and insight.

◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.

◆ To help company to succeed in a competitive market, and understand the size and growth rate of any opportunity.
With the car ownership soaring in emerging economies such as China and India, the demand for oil is increasingly growing, which is enough to offset the shortfall in oil demand from developed economies. Especially for China, every year sees over 15 million new cars on road with striking oil consumption.

And there are other contributing factors that boost the marine engineering market:

With shallow water oil resources being exhausted, the development of deep water oil resources is accelerating;

Aging drilling platform: the service life of 69% of Jackup drilling platforms exceeds 25 years, and as such, the service life of 42% of floating rig platforms is more than 30 years;

Robust demand for natural gas and abundant marine natural gas resources;

Brazil possesses the richest deep water oil resources, and is intensifying its exploitation of deep water oil resources.
Presently, the development of marine engineering focuses on FPSO and Drillship.

Marine engineering contractors and construction enterprises in Europe, South Korea and Japan established alliances to accelerate the R&D of LNG FPSO, such as France-based Technip teaming up with South Korea-based Samsung Heavy Industries, Norway-based Hoegh LNG with South Korea-based DSME, and Holland-based SBM Offshore with Germany based Linde and Japan-based IHI. IHI holds the SPB storage technology, which is the most commonly used LNG storage mode of LNG carriers. Three leading shipbuilding enterprises in South Korea, including SHI, HHI and DSME, all purchased the patent of the technology.

At present, many oil enterprises, including Shell, Petrobras, PTTEP, Conoco-Philips, Chevron, EXXON MOBIL and Norsk Statoil, have more favor for LNG FPSO. South Korea-based enterprises carve up the drillship market, with the market share of Samsung Heavy Industries surpassing 50%. Drillships, with the unit construction cost between USD500 million and USD700 million, are especially applicable for deep sea.
The direct customers of marine engineering are usually operators rather than oil tycoons. By the number of FPSOs in service, the FPSO operators, in sequence, include SBM OFFSHORE, BW OFFSHORE, MODEC, TEEKAY, BLUEWATER, BUMI ARMADA, OSX, MAERSK, PETROFAC, SAIPEM, MISC, FRED OLSEN, and RUBICON.

By the number of platforms in operation, the rig platform operators are ranked as follows: Transocean, Noble, Ensco, Seadrill, Diamond, Rowan, Maersk, and Atwood. Before 2009, the operating margin of the drilling platform operators surpassed 50%, and the figure has declined to some extent in recent years but still higher than that of FPSO operators.

South Korea-based Samsung Heavy Industries, Hyundai Heavy Industries and DSME mainly specialize in drillship and FPSO businesses, while Singapore-based Keppel and Sembcorp are mainly engaged in FPSO renovation and rig platform construction. In addition, STX OSV focuses on AHTS and PSV shipbuilding and, UAE-based Lamprell is involved in windcarrier vessel and drilling platform construction.
Selected Charts

- Global Oil Supply Sources, 1930-2030
- Global Offshore Deepwater and Shallow Water Oil Supply, 2000-2030
- Global Deep Water Oilfield Development Zones
- Number of Global Ultra Deepwater Rig Fleet, 2000-2014
- Global Energy Supply by Type, 2010
- Global Oil Prices Correlated with Offshore Development Projects, 1960-2020
- Global Oilfield Output by Region, 1980-2020
- Number of Offshore Vessels, 2011
- Rent of Offshore Service Vessels, 1989-2011
- Offshore Vessel Order Value by Type, 2000-2011
- Global Marine Engineering Orders and Deliveries, 1992-2014
- Global Offshore Vessel Backlog by Type, Aug., 2011
- Number of AHTS Fleets, 1971-2013
- Number of PSV (below 3000DWT), 1967-2014
- Number of PSV (above 3000DWT), 1975-2013
- Number of PSV, 1967-2013
- Global Offshore Pipeline Length, 2007-2015
- Number of Global Pipelaying Vessels by age, 2011
- Fulfilled Number of Pipelaying Vessels, 2011-2013
- Pipelaying Vessels Breakdown by Region, 2011
- Number of Global DSV & ROVSV by Age, 2011
- Fulfilled Number of DSV & ROVSV, 2011-2013
- New ROV Ships Breakdown by Region, 2011
- New ROV Ships Breakdown by Type, 2011
- Structure of Offshore Wind Power
- Diameter of Offshore Wind Fan Blade, 1990-2020
- Revenue and Operating Income of Zhenhua Heavy Industry, 2006-2011
- Deepwater Oil Production Platforms Market Breakdown by Enterprise, 2010
- Offshore Oil Production Units by Enterprise, Aug. 2011
- Number of FPSO by Operators, Nov. 2011
- Leased FPSO Market Shares by Operator, 2011
- MODEC’s Revenue and Operating Income, 2004-2011
- MODEC’s Revenue and Net Income, 2004-2011
- MODEC’s Order Backlogs, 2007-H1 2011
- Revenue and Operating Margin of SBM Offshore, 2006-2011
- Operating Modes of SBM Offshore
- EBIT of SBM Offshore by Business, 2006-2010
- New Orders of SBM Offshore by Business, 2006-2010
- Revenue of SBM Offshore by Business, 2006-2010
- Backlog of SBM Offshore, 2006-2010
- Revenue of SBM Offshore by Country, 2009-2010
- Global FPU Investment by Region, 2004-2015
- Global FPSO Investment by Region, 2004-2015
- Number of New FPSO and Conversion FPSO, 2000-2011
- Global FPU Contracts by Region, 2003-2015
- Global FPU Contracts by Type, 2011-2015
Selected Charts

- African and Mediterranean FPU by Type, 2004-2015
- Number of African and Mediterranean FPSO Contracts, 2011-2015
- Asia-Pacific FPU Investment by Type, 2004-2015
- Asia-Pacific FPU Contracts by Type, 2011-2015
- North American FPU Investment by Type, 2004-2015
- South American FPU Contracts by Type, 2011-2015
- Global FPU Investment by Type, 2004-2015
- Market Share of Major FPSO Hull Contractors(by Metric Tons), 2003-2011
- Market Share of Major FPSO Hull Contractors(by Units), 2003-2011
- Market Share of Major FPSO Upper Module Contractors(by Metric Tons), 2003-2011
- Market Share of Major FPSO Upper Module Contractors(by Units), 2003-2011
- Market Share of FPSO Project Contractors, 2008-Nov. 2011
- Drilling Platform Market Breakdown by Type and Country, 2011
- Floating Rig Count of 8 Major Operators, Nov. 2011
- Floaters Count of 13 Major Operators by Type, Nov. 2011
- Average Age of Deepwater Drilling Platforms (below 4,500 feet), Sep. 2011
- Average Age of Deepwater Drilling Platforms (below 7,500 feet), Sep. 2011
- Number of In-service Jack-ups by Enterprise, Sep. 2011
- Transocean's Revenue and Operating Margin, 2005-Sep. 2011
- Transocean's Revenue by Region, 2005-2010
- Transocean's Assets by Type, Jun. 2011
- Breakdown of Transocean's Clients, Jun. 2011
- Occupancy Rate of Transocean's Platforms by Type, 2011-2014
Selected Charts

- Transocean's Backlog by Products, Nov. 2011
- Distribution of Transocean's Midwater Floaters
- Distribution of Transocean’s Deepwater Floaters
- ENSCO's Revenue and Operating Margin, 2006-2011
- Revenue and Operating Margin of Pride International, 2006-2010
- Revenue of ENSCO and PRIDE by Products, 2010
- Number and Type of ENSCO’s New Operating Platforms, 2004-2014
- Global Distribution of ENSCO's Drilling Platforms, Nov. 2011
- Noble’s Revenue and Operating Margin, 2006-2011
- Noble's Revenue by Region, Q3 2011
- Noble's Revenue by Products, 2011 vs. 2015
- Noble's Backlog, Nov. 2011
- Number of Noble's Floating Rig, 2005-2014
- Jack-ups Orders Breakdown by Manufacturer, 2010-Nov. 2011
- Global Fulfilled Volume of Jack-ups, 2010-2014
- Global Jack-ups by Water Depth, 2010-Nov. 2011
- Semi-submersible Market Breakdown by Manufacturers, 2000-2014
- Fulfilled Volume of Semi-submersible, 2000-2014
- Semi-submersible Market Segmentation by Design Companies, 2000-2014
- Market Share of Major Drilling Ship Manufacturers, 1971-2018
- Market Share of Major Drilling Ship Manufacturers, 2000-2018
- Global Shipment of Drilling Ships, 1971-2018
- Drilling Ship Market Segmentation by Operators, 1971-2018
- Revenue and Operating Margin of Samsung Heavy Industries, 2005-2011
- Revenue of Samsung Heavy Industries by Business, 2006-2010
Selected Charts

2. New Orders of Samsung Heavy Industries by Type
3. New Orders of Samsung Heavy Industries by Type, 2006-Oct. 2011
4. Backlog of Samsung Heavy Industries by Type, Oct. 2011
6. Global Distribution of Samsung Heavy Industries
7. Revenue and Operating Margin of Hyundai Heavy Industries, 2005-2011
8. Revenue of Hyundai Heavy Industries by Division, 2010
9. Revenue of Hyundai Heavy Industries by Division, 2005-2011
12. Shipbuilding Revenue of Hyundai Heavy Industries by Product, 2010
13. New Orders of Hyundai Heavy Industries by Ship Type, Jul. 2011
16. Annual Delivery Number of Hyundai Heavy Industries by Plant, 2007-2011
18. Revenue breakdown of Hyundai Heavy Industries by Product, 2010
19. New Offshore Orders of Hyundai Heavy Industries by Type, 2007-2011
20. Key Offshore Orders of Hyundai Heavy Industries, H1 2011
21. STX's Revenue and Operating Margin, 2005-2011
22. Revenue and EBITDA Rate of STX OSV, 2007-2011
23. Revenue of STX OSV by Business, 2010
• Keppel's Revenue and Operating Margin, 2005-2011
• Keppel's Revenue by Business, 2005-Sep. 2011
• Keppel's Operating Income by Business, 2005-Sep. 2011
• Revenue and Operating Margin of COSCO Shipyard, 2005-2011
• Ship Repair Business of COSCO Shipyard by Ship Type, 2010
• Revenue of COSCO Shipyard by Business, 2010
• Organizational Structure of Sembcorp Marine
• Sembcorp's Revenue and Operating Margin, 2005-2011
• Sembcorp's Revenue by Business, 2005-2011
• Revenue and Operating Margin of Sembcorp Marine, 2006-2011
• Revenue of Sembcorp Marine by Business, 2006-2010
• Types of Repaired Ships of Sembcorp Marine, 2009-2010
• Orders of Sembcorp Marine by Type, 2010
• Contract Value and Backlog of Sembcorp Marine, by Nov., 2011
• Revenue and Operating Margin of Penglai Oilfield Services, 2006-2011
• Revenue by Business of Penglai Oilfield Services, 2008-H1 2011
• Gross Margin of Penglai Oilfield Services by Business, 2008-H1 2011
• Revenue of Yantai Raffles, 2006-2011
• Net Income of Yantai Raffles, 2006-2011
• DSME's Revenue and Operating Margin, 2005-2011
• DSME's Revenue by Ship Type, 2008-2010
• DSME's New Orders by Ship Type, 2008-2010
• DSME's Backlog by Ship Type, 2008-2010
• Fulfilled Volume of Dalian Shipbuilding, 2006-2011
• Revenue and Operating Margin of Dalian Shipbuilding, 2006-2011
• Fulfilled Volume and Delivery of Shanghai Waigaoqiao Shipbuilding, 2006-2011
Selected Charts

- Revenue and Operating Margin of Shanghai Waigaoqiao Shipbuilding, 2006-2011
- Revenue and Operating Income of Offshore Oil Engineering, 2005-2011
- Lamprell's Revenue and Operating Margin, 2005-2011
- Offshore Oilfields under Construction, May 2011
- Offshore Oilfields Growth by Region
- Global Orders for Offshore Support Vessel by Country, Aug. 2011
- Orders for 46 AHTS / PSV / AHT Ships (including Owner, Yard, Dims, Power) in China, Aug. 2011
- Offshore Wind Power Installation Vessels under Construction or Completed, Apr. 2011
- FPSO, FSO and TLP Projects Operated by MODEC
- FPSO Projects (including Operator, Storage Capacity, Hull Fabricator, Topsides Fabricator), 2008-Nov. 2011
- Transocean's Platform Daily Rent by Type, Q3 2011
- Transocean's Platform Utilization by Type, Q3 2011
- ENSCO's Platform Utilization by Type, Q3 2011
- Jack-ups Projects (including Operator, Rig Name, Design, Builder, Water Depth, Drilling Depth), 2000-2014
- China's Large Exploration Ships, Mar. 2011
- Ramform Series Exploration Ships of Norway PGS
- CHIKYU Deepwater Drilling Ship
- Offshore Engineering Performance of Hyundai Heavy Industries, 1976-2011
- Financial Data of STX Dalian, 2010
- Keppel's Backlog, Sep. 2011
- DSME's New Orders and Backlog by Ship Type, Oct. 2011
- Overview of Hamriyah Shipyard
- Overview of Sharjah Shipyard
- Overview of Jebel Ali Shipyard
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