

DSME Offshore & Plants

As an EPCI (Engineering, Procurement, Construction, Installation and Offshore HUC) contractor, DSME has been providing technical and commercial solutions to major international clients for a wide range of offshore oil and gas development projects as well as onshore and barge-mounted industrial plants.



DSME

DAEWOO SHIPBUILDING &
MARINE ENGINEERING CO., LTD.

Company History

1970 ~ 1980's

- 73 _ Groundbreaking of Okpo Shipyard
- 78 _ Daewoo Conglomerate took over Okpo Shipyard
- 81 _ Dedication Ceremony held for Okpo Shipyard
- 89 _ Appointed as industrial rationalization company

1990's

- 94 _ Merged as Daewoo Heavy Industries Ltd. (DHI)
- 97 _ Daewoo Mangalia Heavy Industries Ltd. (DMHI) established in Romania
- 99 _ Announced the Daewoo Conglomerate's restructuring plan and began the corporate workout program in DHI

2000's

- 00 _ DHI's Shipbuilding and Heavy Machinery Division became independent from the former Daewoo Conglomerate
- 01 _ Concluded the corporate workout program and listed stocks on the Korea Stock Exchange
- 02 _ Changed its official corporate name to DSME
- 03 _ Issued Global Depository Receipts
- 05 _ Established DSME Shandong Co., Ltd. (DSSC) in Shandong, China
- 06 _ Acquired DSME Construction Co., Ltd. (DSMEC)
- 07 _ Acquired Shinhan Machinery
- 08 _ Established DSME E&R (Energy Resource) as subsidiary of DSME for oil and gas upstream development, trading, and mineral resource dealing



About DSME

- 02 Company History
- 03 Company Profile
- 04 Health Safety Environment

Product

- 08 FPSO
- 10 FLNG
- 12 FPU
- 14 Platform
- 16 Semi-Sub. Rig
- 18 Drillship
- 20 Onshore Plants
- 22 Okpo Fabrication Yard Layout
- 24 Performance

Ocean Dreams in DSME

Based in Geoje Island, South Korea, and conducting offshore business for more than 30 years for Chevron, ExxonMobil, BP, Shell, Total, Transocean, Odebrecht and etc. DSME has prospered as the world's premium offshore contractor and also as the market leader as EPCIC (Engineering, Procurement, Construction, Installation, and Offshore HUC) turnkey contractor.

DSME prides itself on being able to complete sophisticated and complicated offshore projects with the level of superiority second to none with on time delivery and an unparalleled dedication to customer satisfaction.

DSME has the technology and resources to supply 8-10 quality offshore projects per year while simultaneously delivering 60-70 commercial ships per year with its state-of-the-art facilities, with more than 2,000 most qualified designers and 20,000 highly skilled manpower. Furthermore, DSME operates five research centers with more than 350 researchers devoted to developing new products.

EPC/EPCIC INDUSTRIAL MODEL



ENGINEERING



PROCUREMENT



CONSTRUCTION



INSTALLATION

HSE

All of us at DSME have pledged to make our workplace accident-free, disease-free, and environment-friendly.

We shall observe the basics and the principles.

We shall give top priority to HSE.

We shall have responsibility and confidence in our own actions.



DSME has introduced and is practicing an "HSE First" managerial employees and on upon environment preservation. We promote "HSE First Culture" company-wide and encourage safety designs based on HSE and purchasing environment-friendly products. Safety is the top priority within DSME. Our workers memorize the company's safety policy by heart; they observe it, and they influence each other to practice it. This attitude toward safety contributes to enhancing the competitiveness of DSME. We spare no effort nor investment to make a safe & zero-hazard workplace.

ExxonMobil
Development

Transocean

PETROSERV S.A.

Chevron

bp

TOTAL

BRITISH PETROL

SHELL

AMERICAN PETROLEUM CORPORATION

BR

Sonangol

STATOIL

ODEBRECHT
Oil & Gas



DSME Products Chain



Semi-Submersible Rig



Drillship



Floating Production, Storage & Offloading(FPSO)



Floating Production Systems(FPS)

DSME supplies wide-range of facilities for oil & gas field development with high quality and efficient project management.



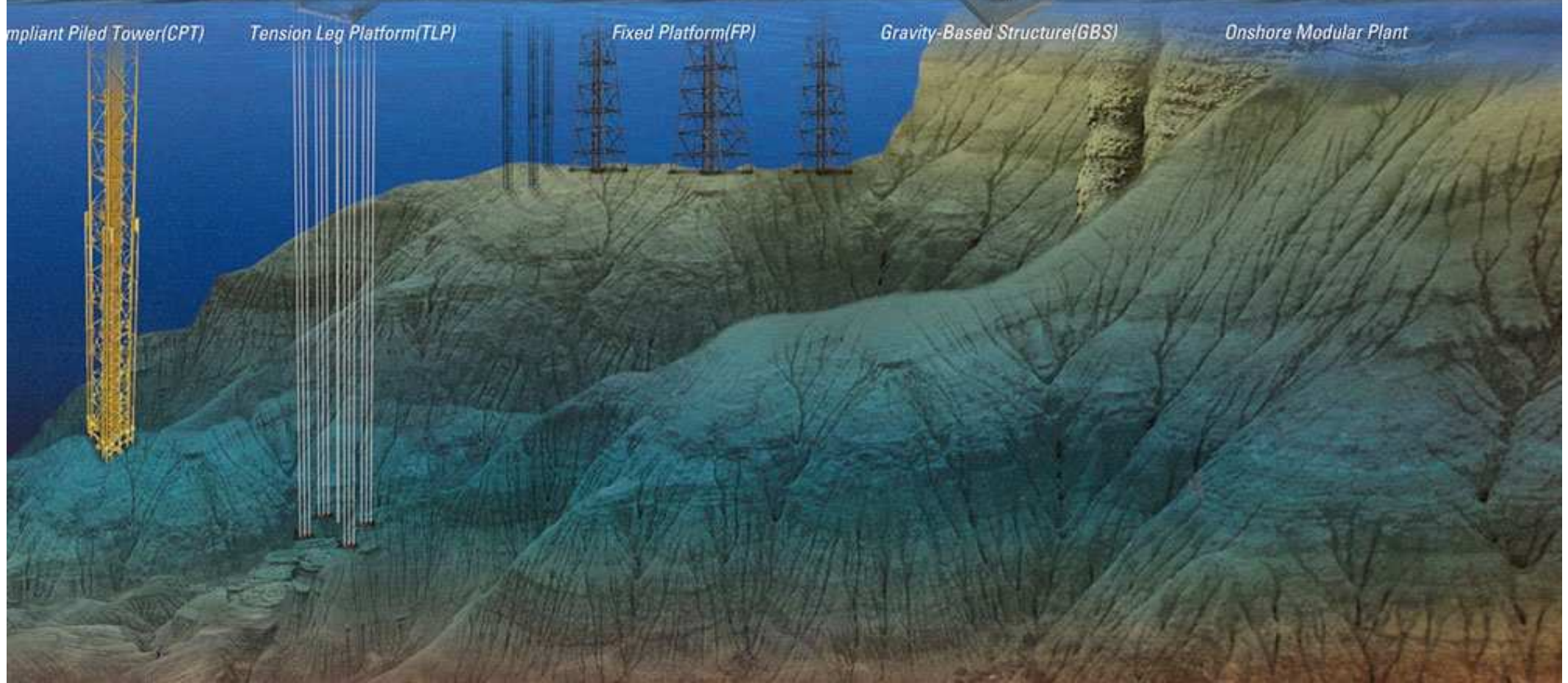
Compliant Piled Tower (CPT)

Tension Leg Platform (TLP)

Fixed Platform (FP)

Gravity-Based Structure (GBS)

Onshore Modular Plant



TOTAL Pazflor FPSO

STORAGE		2,000,000 BBL
PRODUCTION	OIL	232,000 BOPD
	GAS	4.39 MMSCMPD
HULL DIMENSIONS		325 MLJ X 61 M(W) X 32 MH
WEIGHT	HULL	61,019MT
	TOPSIDE	41,102 MT
NO. OF RISER		10
WATER DEPTH		790 M

CLIENT
DELIVERY
SCOPE OF WORK

TOTAL E&P ANGOLA (BLOCK 17)
DECEMBER 2011
EPCI



1



2



3



FPSO

DSME is a world-leader as a proven EPCI (Engineering, Procurement, Construction and Installation) contractor of FPSO (Floating Production Storage and Offloading) Projects. DSME has a second-to-none HSE and QA/QC track record and is well-known for its on-time and within-budget delivery of those state-of-the-art FPSOs. DSME widely specializes in constructing both all large-sized purpose built FPSOs and harsh environment FPSOs.

1 CHEVRON AGBAMI FPSO

STORAGE		2,160,000 BBL
	OIL	250,000 BOPD
PRODUCTION	WATER	450,000 BWPD
	GAS	450 MMSCFPD
HULL DIMENSIONS	320 M(L) x 58.4 M(W) x 32 M(H)	
	HULL	69,700 MT
WEIGHT	TOPSIDE	39,800 MT
CLIENT	STAR DEEP WATER PETROLEUM LTD. (OML 216 & 217)	
DELIVERY	JULY 2008 (1ST OIL)	
SCOPE OF WORK	EPCI	

2 TOTAL DALIA FPSO

STORAGE		2,000,000 BBL
	OIL	240,000 BOPD
PRODUCTION	WATER	360,000 BWPD
	GAS	5.4 MMSCMPD
TOPSIDE WEIGHT	24,700 MT (DSME - 14,000 MT)	
FIELD	DALIA FIELD, ANGOLA	
CLIENT	TOTAL E&P ANGOLA	
DELIVERY	MARCH 2006	
SCOPE OF WORK	EPC	

3 PETRO-CANADA TERRA NOVA FPSO

STORAGE		960,000 BBL
DIMENSIONS	291M(L) x 45.5M(B) x 28.2M(D)	
FIELD	TERRA NOVA FIELD DEVELOPMENT, CANADA	
CLIENT	HALLIBURTON CANADA INC.	
DELIVERY	MAY 2000	
SCOPE OF WORK	EPC	

L X B X D	314M X 65M X 27.3M
PRODUCTION CAPACITY	2 MMTPA
CONTAINMENT	MEMBRANE GTT NO96 WITH TWO ROW TANKS
CARGO TANK	LNG - 210,000 M ³
	LPG - 20,000 M ³
	CONDENSATE - 40,000 M ³
FRACTIONATION	DEMETHANIZER, STABILIZER
LIQUEFACTION PROCESS	-SMR (SINGLE MIXED REFRIGERANT CYCLE) OR CLIENT PREFERENCES
MOORING	INTERNAL TURRET SYSTEM (DISCONNECTABLE)
SHUTTLE LNG CARRIER CAPACITY	135K TO 175K
ELECTRIC POWER	GAS TURBINE GENERATOR
HEADING CONTROL	AZIMUTH THRUSTERS
CARGO OFFLOADING	SIDE BY SIDE WITH OFFLOADING ARMS



FLNG

DSME, as a proven and qualified prime EPCIC (Engineering, Procurement, Construction, Installation and Commissioning) contractor of offshore projects, can offer its clients a reliable LNG FPSO (or FLNG) with a top priority on HSE

(Health, Safety and Environment) and its specialty learned from previous and/or on-going FPSO projects and LNG projects. We are sure that our extensive experience in offshore projects and LNG technology brings DSME to

successful execution of LNG FPSO project and also it brings clients an efficient, safe and economical solution for their gas production, storage, transportation and distribution needs. We make the future.

D-FLNG : TWO-ROW TANK ARRANGEMENT

DECK DEFLECTION DUE TO TOP SIDE MODULE (1-ROW VS. 2-ROW)



INDEPENDENT TYPE B

TWO-ROW MEMBRANE SYSTEM

INTERNAL FLOW DUE TO FPSO MOTION (1-ROW VS. 2-ROW)

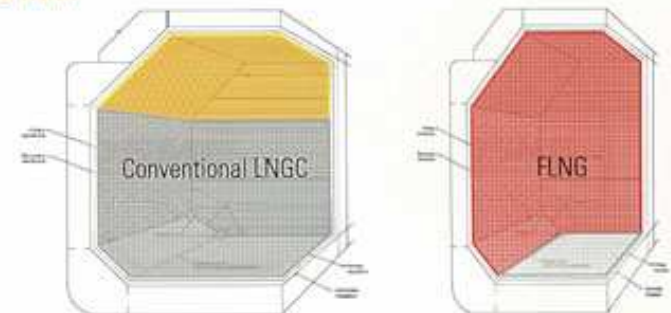


NUMERICAL SIMULATION DSME CONDITION (SPEED : 0 KNOT / HS : 9 METER / BEAM SEA)



INSULATION SYSTEM OF CARGO TANK

- : NON-REINFORCED BOX
- : REINFORCED BOX
- : ULTRA-REINFORCED BOX



RELATIVE TANK SIZES (SCALED) : LNGC / LNG FPSO / FSRU

PITCH AND ROLL EFFECTS ON SLOSHING LOADS ARE REDUCED USING A SHORTER AND NARROWER CARGO TANK



BP THUNDER HORSE SEMI FPU

SEMI-SUBMERSIBLE PRODUCTION FACILITY HULL AND
DRILLING FACILITIES:

DIMENSIONS:	PONTOON LEVEL	111M(L) x 110M(W) x 58M(H)
	DECK LEVEL	123M(L) x 105M(W) x 58M(H)
	PONTOON	26M(W) x 12M(H)
	COLUMN	26M(A) x 22M(B)
WEIGHT:	59,840 MT	
DRILLING SYSTEM:	DUAL DRILLING SYSTEM	

CLIENT:	BP AMERICA PRODUCTION COMPANY, USA
DELIVERY:	SEPTEMBER 2004
SCOPE OF WORK:	EPC





1

DSME has built and delivered six (6) Semi Floating Production Units such as Semi-submersible Production Drilling and Quarter Platforms and Tension Leg Platforms which are under operation in GOM, West Africa and North Sea. DSME has delivered the Thunder Horse Floating Production Unit for BP which is the biggest Semi FPU in the world. With the experience, DSME is ready to construct the world's best Semi FPU for clients.



2

1 EXXON KIZOMBA "A" - SWHP HULL

DIMENSIONS	TOTAL	92.28M(L) x 92.28M(W) x 44.96M(H)
	PONTOON	10.4(W) x 9.5M(H)
	COLUMN	14.5M X 14.5M x 32.5(H)
WEIGHT		12,207 MT
CLIENT	ABB LUMMUS GLOBAL INC. (ESSO EXPLORATION ANGOLA (BLOCK 15) LTD.)	
DELIVERY	DECEMBER 2002 (EX-SHIPYARD)	
SCOPE OF WORK	EPC	

2 EXXON KIZOMBA "B" - SWHP

HULL	DIMENSIONS	92.28M(L) x 92.28M(W) x 44.96M(H)
	WEIGHT	12,207 MT
DECK	TOPSIDE	11,000 MT
	DRILLING MODULE	4,200 MT
	QUARTER (120 MEN)	1,400 MT
TENDON		8 EA
RISER		1 DRILL + 31 PRODUCTION
NUMBER OF PRODUCTION WELL: 33 EA		
CAPACITY	OIL	250,000 BOPD
	WATER	230,000 BWPD
	INJECTION WATER	420,000 BWPD
	GAS	215 MMSCFD
CLIENT	ESSO EXPLORATION ANGOLA (BLOCK 15) LTD.	
DELIVERY	MARCH 2005	
SCOPE OF WORK	EPC	



CHEVRON SANHA CONDENSATE PLATFORMS

PRODUCTION CAPACITY	OIL	77,000 BOPD
	GAS	330 MMSCFD
WEIGHT		21,035 MT

CLIENT	CABINDA GULF OIL COMPANY LTD.
DELIVERY	NOVEMBER 2004
SCOPE OF WORK	EPCI



Fixed Platform

DSME till date has delivered numerous turnkey fixed platform projects to various clients.

DSME's present world-class capability as a turnkey contractor for fixed platforms is built on true offshore experience.

DSME achieves highest safety performance, world-class quality and on-time delivery of

platform projects by taking advantage of its experience in engineering, procurement, construction, transportation and installation, hook up and commissioning before starting any operation. As the major components of these projects are constructed at different locations, mainly Okpo shipyard, DSME's

subsidiaries and local yards located at the operation field, DSME controls all of them with efficient management & interface and by sharing & integrating information which is the key to successful execution of projects, as well as maximizing Lessons Learned through previous projects.

1 CHEVRON BENGUELA-BELIZE CPT

PRODUCTION CAPACITY	HEAVY OIL	60,000 BOPD
	LIGHT OIL	80,000 BOPD
	WATER INJECTION	230,000 BWPD
	GAS	220 MMSCFD
WEIGHT	TOPSIDE	26,000 MT
	CPT	27,500 MT
	PILES	7,500 MT

CLIENT	CABINDA GULFOIL COMPANY LTD.
DELIVERY	OCTOBER 2005
SCOPE OF WORK	EPC

2 EXXON SABLE COMPRESSION PLATFORM

PRODUCTION CAPACITY	CONDENSATE	21,000 BPD
	GAS	900 MMSCFD
WEIGHT		7,300 MT
CLIENT	EXXONMOBIL CANADA PROPERTIES	
DELIVERY	DECEMBER 2006	
SCOPE OF WORK	EPCI	

3 CHEVRON TOMBUA-LANDANA CPT

PRODUCTION CAPACITY	OIL	130,000 BOPD
	GAS	217 MMSCFD
	WATER	310,000 BWPD
WEIGHT (TOTAL: 77,185 MT)	TOPSIDES	25,743 MT
	TOWER	51,422 MT

CLIENT	CABINDA GULFOIL COMPANY LTD. (CABOOO)
DELIVERY	OCTOBER 2008 (EX-SHIPYARD)
SCOPE OF WORK	EPCI

ODFJELL GVA 7500 SEMI DRILLING RIG

MODEL (No of Unit) GVA 7500

PRINCIPAL DIMENSIONS

LENGTH OVERALL	APPROX. 118.6M
BEAM OVERALL	APPROX. 102.0M
HEIGHT, TO BOX BOTTOM	36.50M
HEIGHT, TO UPPER DECK	45.00M
PONTOON	108.80M X 17.28M(B) X 10.24M(H)

CAPACITIES

MAX. WATER/ DRILLING DEPTH	10,000' / 35,000'
DECK LOAD/ DISPLACEMENT	7,500 MT / 56,155MT
DERRICK	DUAL CONCEPT (1 &)
WEIGHT	APPROX. 32,528 MT
CLASS	DNV

CLIENT ODFJELL INVEST II LTD.
(SUBSIDIARY OF ODFJELL DRILLING LTD.)

DELIVERY FEBRUARY 2009

SCOPE OF WORK EPCC



Semi-Submersible Rig

DSME has built and delivered sixteen (16) Semi-Submersible Drilling Rigs ("Semi Rig") as of May 2010 which is the highest total in the world. Korean Government has designated DSME Semi Rig, based on GVA 7500 Design, as the World's Best Product by Korea in 2009 in consideration of eight (8) consecutive constructions since 2005 and DSME's Semi Rig market share, which proves DSME's capability to build the world's best Semi Rig. In addition,

DSME has developed its own semi rig design, DSME-6000M in order to meet the market needs. DSME-6000M, is a "compact" semi-submersible drilling rig, engineered to provide clients with the best economic solution for exploration and drilling in ultra deep sea environments having moderate sea conditions. With its unprecedented record of delivering top class semi-submersible drilling rigs worldwide and vast experience in engineering technologies,

DSME has successfully crafted cost optimization into a conventional semisubmersible drilling unit by reducing its size without compromising any essential functional capacity. In addition to intensive optimization, the DSME-6000M also offers a full range of ultra deep sea operation capabilities as well as sufficient flexibility for customization, making it a compelling proposition for clients seeking lowcost measures.

① DSME-6000M

MAIN DIMENSIONS	LENGTH OVERALL	APPROX. 115.10M
	BEAM OVERALL	APPROX. 77.70M
	HEIGHT, TO UPPER DECK	33.20M
WEIGHT		24,500 MT

CHARACTERISTICS OF UNIT :

- STABILITY ASSESSMENT INTEGRATED FOR SAFE DESIGN, OPTIMAL STRENGTH AND STABILITY
- HIGHLY MANEUVERABLE AND RELIABLE DURING OPERATIONS
- ROBUST AND SIMPLE STRUCTURAL CONFIGURATION WITH A MINIMUM FATIGUE SENSITIVE BRACING CONNECTIONS
- LOW OPERATION AND MAINTENANCE COSTS
- HIGH TRANSIT SPEED
- SUFFICIENT DECK AREA FOR STORAGE

② SEADRILL GVA 7500 (H3019, H3020)

MAIN DIMENSIONS	LENGTH OVERALL	APPROX. 117.90M
	BEAM OVERALL	APPROX. 96.70M
	HEIGHT, TO UPPER DECK	45.00M
CAPACITIES	MAX. WATER / DRILLING DEPTH	10,000 ft / 35,000 ft
	VARIABLE DECK LOAD	6,686 MT
WEIGHT	TOTAL	31,202 MT

CLIENT	SUBSEA DRILLING (III) & (IV) LTD. (SUBSIDIARY OF SEADRILL LTD.)
DELIVERY	OCTOBER 2008 / JANUARY 2009
SCOPE OF WORK	EPCC

③ PETROSERV RIG (H3024)

MAIN DIMENSIONS	LENGTH OVERALL	116.60M
	BEAM OVERALL	96.70M
	HEIGHT TO DERRICK TOP	119.00M
CAPACITIES	MAX. WATER / DRILLING DEPTH	10,000 ft / 35,000 ft
	VARIABLE DECK LOAD	8,562 T
WEIGHT	TOTAL	31,282 T

CLIENT	VICTORIA MARINE INC. (SUBSIDIARY OF PETROSERV S.A.)
DELIVERY	SEPTEMBER 2009
SCOPE OF WORK	EPCC



TRANSOCEAN DRILLSHIPS (5 units)

ULTRA DEEP WATER DRILLSHIP

DIMENSIONS	254.4M(L) x 38.0M(W) x 13.0M(D)	
	VDL	20,000 MT
CAPACITY	DRILLING DEPTH	35,000 FEET
	WATER DEPTH	10,000 FEET
	DUAL ACTIVITY DRILLING	
WEIGHT	34,000 MT	
CLASS	DNV	
CLIENT	TRANSOCEAN OFFSHORE INTERNATIONAL VENTURES LIMITED	
SCOPE OF WORK	EPCC	

Drillship

DSME 10000 Drillship is DSME standard drillship design, engineered to provide clients solution for exploration and drilling in ultra deep sea environments having moderate sea conditions. DSME 10000 facilitates maximum flexibility with regard to various drilling operations through different drilling facilities, equipment and layouts.

DSME also developed DSME 10000 Compact Drillship with cost optimization by reducing its size without compromising any essential functional capacity. DSME Compact Drillship also offers a full range of ultra deep sea operation capabilities as well as sufficient flexibility for customization.

With its unprecedented record of delivering top class drillships worldwide & vast experience in engineering technologies, DSME and its client together developed the world's first Arctic Drillship design, fully winterized so that it could be operated in harsh environment of the Arctic sea at water depth ranged from 1,000 ft to 10,000 ft.

1 DSME 10000 DRILLSHIP

DRILLING DEPTH	40,000 FT	MAXIMUM	12M
WATER DEPTH	10,000 FT	OPERATION DRAFT	
LOA	238 M	DISPLACEMENT	102,000 MT
BEAM	42.0 M	VARIABLE LOAD	20,000 MT
DEPTH	19.0 M	TRANSIT SPEED	12 KNOTS

GENERAL

OPERATION AREA	GULF OF MEXICO, WEST AFRICA AND BRAZIL
FLAG	MARSHALL ISLANDS
CLASSIFICATION	ABS
COMPLEMENT	190 PERSONS
NOTATION	+A1, DRILLSHIP, (E), +AMS, +ACCU, +CDS, +DPS-3, SH-DLA, UWILD

CHARACTERISTICS OF UNIT

- LAYOUT DESIGN FLEXIBILITY ON MAIN DECK
- LESS DOWNTIME
- WEATHER DOWNTIME
- PROTECTION OF PIPES & CABLE FROM GREEN WATER, INTERFERENCE WITH MATERIAL HANDLING ON DECK AND PROBABLE RISK OF DROP OBJECTS
- SAFE AND BETTER TRAFFICS ON MAIN DECK
- EASY MAINTENANCE OF PIPES & CABLES
- DEDICATED CRANE FOR HANDLING RISER & DRILL PIPE /CASING
- PROVISION OF TWO TORQUE MASTERS

2 DSME 10000 COMPACT DRILLSHIP

DRILLING DEPTH	40,000 FT	MAXIMUM	12M
WATER DEPTH	10,000 FT	OPERATION DRAFT	
LOA	200.5 M	DISPLACEMENT	66,300 MT
BEAM	32.2 M	VARIABLE LOAD	14,800 MT
DEPTH	18.0 M	TRANSIT SPEED	12 KNOTS

GENERAL

OPERATION AREA	WORLDWIDE SERVICE INCLUDING BRAZIL, GULF OF MEXICO, WEST AFRICA
FLAG	MARSHALL ISLANDS
CLASSIFICATION	ABS
COMPLEMENT	180 PERSONS
NOTATION	+A1, DRILLSHIP, (E), +AMS, +ACCU, +CDS, +DPS-3, +SH-DLA, UWILD, CRC

CHARACTERISTICS OF UNIT

- COMPACT DESIGN FOR LOW CAPEX / LOW OPEX
- HIGH PERFORMANCE OF DYNAMIC POSITIONING WITH DP-3
- HIGH MOTION PERFORMANCE
- SINGLE DERRICK WITH OFF LINE STAND BUILDING
- HIGH SPEED HULL FORM FOR TRANSIT
- DESIGNED TO BE OPERATED IN ULTRA DEEP WATER AND HARSH WEATHER CONDITION

BARGE MOUNTED POWER PLANT (BMPP)

TYPE	OIL/GAS FIRED POWER PLANT
STEAM TURBINE	1EA X 75MW
BARGE DIMENSIONS	82.5M X 36M X 10M
WEIGHT	6,230 MT
CLIENT	EGAT
WORK SCOPE	TURN KEY
COMPLETION	DECEMBER 1989



Onshore Plants

DSME's reputation for project perfection is not limited to offshore projects but expands to construction of modules for onshore plants and barge mounted plants also. DSME has always taken the first step to address the customers' needs and this trend has been with DSME from the early 1980s and continues to this date. DSME recognizes the advantage of module construction for onshore plants and barge

mounted plants as it can save time, improve quality, can be built safely, is cost effective and can be easily integrated to the existing facilities compared to constructing/fabricating and doing integration at an onshore or remote site. DSME's experience from both onshore & offshore projects give DSME the competitive edge for customers that need the most efficient solution for plant constructions or expansion of

existing facility without the need to concern its location. Whether the project location is on dry land or in the middle of the vast ocean, or in the most freezing locations on earth, no matter how remote it is, DSME's onshore modules and barge mounted plants will always be the best solution in the world.

Onshore Modular Plants



LINEAR LOW DENSITY POLY-ETHYLENE PLANT (LLDPE)

NUMBER OF MODULES	28 EA
TOTAL WEIGHT	11,829 MT
CLIENT	AL-JUBAIL PETROCHEMICAL CO., SAUDI ARABIA
COMPLETION	OCTOBER 1983

Barge Mounted Plants



SEA WATER TREATING PLANT (STP)

WATER TREATMENT CAPACITY	2.2 MBPD
DIMENSIONS	186M X 48M X 35M
WEIGHT	23,200 MT
CLIENT	ARCO ALASKA INC., USA
WORK SCOPE	TURN KEY
COMPLETION	DECEMBER 1983

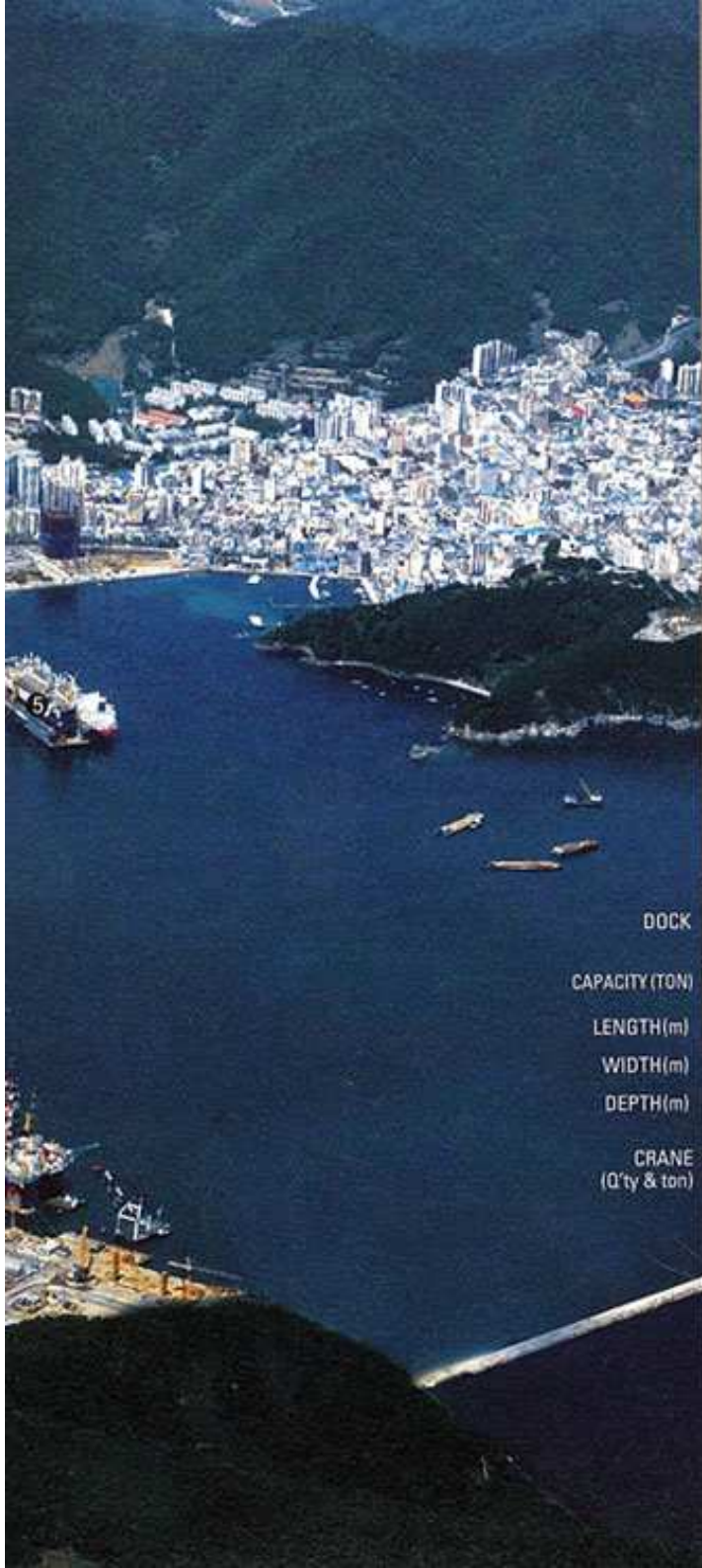
Okpo Fabrication Yard Layout



Offshore & Plants Fabrication Yard



- ① No.1 Dock
- ④ RD-1
- ⑦ RD-4
- ② No.2 Dock
- ⑤ RD-2
- ⑧ Launching Barge
- ③ Heavy Zone
- ⑥ RD-3
- ⑨ Floating Crane



DOCK	DRY DOCKS		HEAVY ZONE		FLOATING DOCKS				LAUNCHING BARGE	FLOATING CRANE
	NO. 1	NO. 2	NO. 1	NO. 2	RD-1	RD-2	RD-3	RD-4		
CAPACITY (TON)	1,000,000 ton	600,000 ton	-	-	50,000 ton	28,000 ton	80,000 ton	120,000 ton	45,000 ton	2 x 3,600 TON
LENGTH(m)	530	540	315	350	298	238	391.5	438	231.5	
WIDTH(m)	131	81	140	205.7	82.5	50	75	84	60.7	
DEPTH(m)	14.5	14.5	-	-	6.27	11.5	8	7.80	7.5	
CRANE (Q'ty & ton)	900 ton GC 200 ton JC (1) 60 ton TTC (1) 50 ton JC (4)	900 ton GC 70 ton TTC (1) 50 ton JC (4)	900 ton GC 100 ton TTC (1)	300 ton GC 100 ton TTC (1) 60 ton TTC (2)	25 ton JC (2)	40 ton GC (1) 15 ton JC (2)	35 ton JC (2)	50 ton ILC (2)	-	-

DRY DOCK CAPA = Maximum DWT. Floating Dock Capacity : Lifting Capacity

- Shipyard size
- Total Area : 4,878,000 m²
 - ▶ Covered Area : 953,500 m²
 - ▶ Open Working Area : 1,470,500 m²
 - ▶ Quay Total Length : 7,182 m

Performance

FPSO

H.N.	Client	Project	Description	Work Scope	Delivery (M-Y)
6031	Halliburton Canada Inc.	Terra Nova FPSO	FPSO Hull + Topside (Partial)	EPC	May, 2000
6041	Total	Dalla FPSO	FPSO Topside + Hull & Topside Integration	EPCI	Mar, 2006
6043	Chevron	Agbami FPSO	FPSO Hull & Topside EPCI	EPCI	Jul, 2008 (1st O&I)

OFFSHORE FLOATERS & PLATFORMS

H.N.	Client	Project	Description	Work Scope	Delivery (M-Y)
3012	Statoil/Kvaerner	Sub-Structure of Asgard B Gas Center	Semi-submersible Ring Pontoon & Column	EPC	Sep, 99
3014	Statoil/Kvaerner	Siri Field Development	Storage Tank & Caisson	EPC	May, 98
3017	Shell	Brutus TLP Hull	Ring Pontoon & Column	EPC	Jan, 01
6002	Kuwait Oil Company	"Southern Gas Project" Gas Compression Platform	Jacket-8 EA, Deck Module-8 EA, Bridge-3 EA, Capa.-110 MMSCFD Gas	EPC	Dec, 85
6003	Aramco	"Marjan" Gas Compression Platform	Jacket-3 EA, Deck Module-12 EA, Capa.-950MMSCFD Gas	EPC	Oct, 85
6004	EPMI	"Bekok-C" Gas Compression & Dehydration Platform	Deck Module-2 EA, Capa.-50MMSCFD Gas	EPC	Apr, 84
6005	Texaco	"Harvest-A" Jacket & Piles	Jacket & Piles, Water Depth: 670FT	EPC	Apr, 85
6006	EPMI	"Guntong-A" Production, Gas Compression & Dehydration Platform	Deck Module-10 EA, Capa.-92,300BPD Oil, 100MMSCFD Gas	EPC	Jun, 85
6007	Agip	"DP3" & "DP4" Drilling & Production Platforms	Deck Module-16 EA, Capa.-150,000BPD Oil, 110MMSCFD Gas, 250 Persons	EPC	Jun, 87
6009	Chevron	"Esther" Gas Production Platform	Deck Module-2 EA, Jacket-1 EA, Capa.-110MMSCFD Gas	EPC	Oct, 85
6010	ADNOC	"N-ACPT" Accommodation Platform (TURN-KEY)	Deck & Substructure-1 EA, Capa.-240 Persons	EPC	Apr, 89
6012	ONGC	"ICG" Gas Compression Platform	Deck Module-2 EA, Bridge-4 EA, Capa.-162MMSCFD Gas	EPC	Dec, 89
6013	ONGC	SHG Gas Process Platform (TURN-KEY)	Process Platform-1 EA, HPI/P Raw Platform-1 EA, Bridge-3 EA, Capa.-19MMSCMD Gas Subsea Pipeline-198 km	EPCI	Apr, 94
6014	BHP	"Mooring Riser" Griffin FPSO	Mooring Riser Column, 6M Ø X 97M	EPC	Sep, 93
6015	ONGC	SHW Water Injection Platform (TURN-KEY)	Water Injection Platform-1 EA, Capa.-320,000BWP, Bridge-1 EA, Subsea Pipeline-19.2 km	EPCI	Dec, 94
6016	Phillips	Xijiang 24-3/30-2 Production Platforms	Deck Module 2 EA, Capa.-46,000 BOPD/EACH	EPC	Apr, 94 / Mar, 95
6017	Phillips	Xijiang FPSO Process Skids	Process Skid-5 EA	EPC	Feb, 94
6019	Phillips	Xijiang XJ-2 Drill Rig Modules	Module-5 EA	EPC	Apr, 95
6021	Chevron	South Nemba & Lomba Development	Production Platform-1EA, Drill/Well Platform-1EA, Flare Platform-1EA	EPCI	Apr, 98
6023	Marathon	Sakhalin II Project, PA Field Development	Process Module, Modification of Molikpaq Offshore Drilling Unit	EPC	Aug, 98
6028	Chevron	North Nemba & Lomba Development (I)	Platform	EPCI	Mar, 00

H.N.	Client	Project	Description	Work Scope	Delivery (M.Y)
6032	Chevron	Kungulo Water Injection Platform	Water Injection Platform Deck	EPCI	Apr. 00
6034	Chevron	North Nemba Field Development	Production Platform Deck	EPCI	May. 01
6035	ExxonMobil	Kizomba "A" SWHP Hull	ETLP Hull (L x W x H : 93m x 93m x 45m)	EPC	Dec. 02
6036	BP	Thunder Horse	Semi-Submersible Production Drilling and Quarters Facilities (Overall L x Overall W x Deck H : 160m x 125m x 58m)	EPC	Jul. 04
6037	Chevron	Sanha Condensate	Fixed Platforms (3units)	EPCI	Nov. 03
6038	BP	Atlantis	Semi-Submersible Production Facilities (Overall L x Overall W x Deck H : 129m x 119m x 52m)	EPC	May. 05
6039	ExxonMobil	Kizomba "B" SWHP	Extended Tension Leg Platform (ETLP)	EPCI	Mar. 05
6040	Chevron	Benguela-Belize	Compliant Piled Tower Platform	EPCI	Oct. 05
6042	ExxonMobil	Sable Platform	Compression P/F Topsides & Bridge	EPCI	Dec. 06

SEMI-SUBMERSIBLE RIG

H.N.	Client	Rig name	Class	Design	Description	Delivery (M.Y)
3001	Reading & Bates Exploration Co.	Jim Cunningham	ABS		L x B(Deck): 230' x 202' Var. Deck Load: 4,000MT	Dec. 82
3002	Reading & Bates Exploration Co.	M.G. Hulme JR.	ABS	F&G L-750	Max. Drilling Depth: 25,000' Max. Water Depth: 1,500'	Apr. 83
3003	Santa Fe International Services Inc.	Rig 135	ABS		L x B(Deck): 230' x 202' Var. Deck Load: 4,000MT	Jun. 83
3004	Santa Fe International Services Inc.	Rig 140	ABS		Var. Deck Load: 4,000MT	Dec. 83
3006	Atlantic Drilling Co.	Benreoch	LR	F&G L-907	Max. Drilling Depth: 25,000'	Aug. 83
3007	Houlder Offshore Co., Ltd.	High Seas Driller	LR		Max. Water Depth: 1,500'	Jul. 83
3008	Korea Drilling Co., Ltd.	Doo Sung	KR, ABS		L x B(Deck): 267' x 259' Var. Deck Load: 5,000MT Max. Drilling Depth: 25,000' Max. Water Depth: 6,000'(Dyn.) Semi-Sub. Drilling & Production Rig	May. 84
3009	A/S Smedvig Drilling Co.	West Vision	DNV	ME-5000	L x B(Deck): 250' x 187' Var. Deck Load: 4,000MT Max. Drilling Depth: 25,000' Max. Water Depth: 2,000'	Dec. 86
3010	Sonat Offshore Drilling Inc.	Pratt Rather	DNV		L x B(Deck): 250' x 187' Var. Deck Load: 4,000MT	Jan. 88
3011	Sonat Offshore Drilling Inc.	George Richardson	DNV	GVA-4500	Max. Drilling Depth: 25,000' Max. Water Depth: 2,000'	Oct. 88

SEMI-SUBMERSIBLE RIG

R.N.	Client	Rig name	Class	Design	Description	Delivery (M.Y.)
3015	Petrodrill Seven Inc.	Pride Carlos Walter	LR	Amethyst	L x B (Deck): 240' x 159'	Dec. 00
3016	Petrodrill Six Inc.	Pride Brazil	LR		Var. Deck Load: 3,500MT	Feb. 01
3019	Seadrill	West Hercules	DNV	GVA 7500	L x B (Deck): 382.5' x 317.2'	Oct. 08
3020		West Aquarius			Max. Drilling Depth: 32,000'	Jan. 09
3023	Odfjell	Deepsea Atlantic	DNV	GVA 7500	L x B (Deck): 386' x 317'	Feb. 09
3024	Petroserv	SSV Victoria	DNV	GVA 7500	Var. Deck Load: 7,500 MT	Sep. 09
					Max. Drilling Depth: 35,000'	
					Max. Water Depth: 10,000'	
					L x B (Deck): 386' x 317'	
					Var. Deck Load: 8,500MT	
					Max. Drilling Depth: 35,000'	
					Max. Water Depth: 10,000'	

JACK UP DRILLING RIGS

R.N.	Client	Rig name	Class	Design	Description	Delivery (M.Y.)
3301	Dual Offshore Co.	Rig 38	ABS	F&G L-780 MOD II	L x B (Deck): 180' x 175'	Feb. 83
3302	Dual Offshore Co.	Rig 42	ABS		Max. Drilling Depth: 20,000'	Apr. 83
					Max. Water Depth: 300'	

DRILLSHIPS

H.N.	Client	Rig name	Class	Design	Description	Delivery (M.Y)
3501	Transocean	Discoverer Clear Leader	DNV	Enhanced Enterprise-Class Drillship	L x B (Deck) : 835' x 125' Var. Deck Load : 20,000 MT Max. Drilling Depth: 40,000' Max. Water Depth: 12,000'	Feb. 09
3502	Transocean	Discoverer Americas	DNV	Enhanced Enterprise-Class Drillship	L x B (Deck) : 835' x 125' Var. Deck Load : 20,000 MT Max. Drilling Depth: 40,000' Max. Water Depth: 12,000'	Mar. 09
3503	Transocean	Discoverer Inspiration	DNV	Enhanced Enterprise-Class Drillship	L x B (Deck) : 835' x 125' Var. Deck Load : 20,000 MT Max. Drilling Depth: 40,000' Max. Water Depth: 12,000'	Oct. 09
3504	Transocean	Discoverer Luanda	DNV	Enhanced Enterprise-Class Drillship	L x B (Deck) : 835' x 125' Var. Deck Load : 20,000 MT Max. Drilling Depth: 40,000' Max. Water Depth: 12,000'	Mar. 10

PLANT

Client	Project	Description	Delivery (M.Y)
ARCO Alaska, Inc.	Barge Mounted Seawater Treating Plant	Capa. : 2.2 MBPD Size : 610FT x 150FT x 115FT Weight : 23,200 MT	Jul. 83
Al-Jubail Petrochemical Co.	Linear Low Density Polyethylene Plant	Capa. 280,000 MT/Year No. of Module : 28 EA Weight : 11,800 MT	Oct. 83
ARCO Alaska, Inc.	NGL/EOR Air Cooler Modules	No. of Module : 6 EA Weight : 5,200 MT	Jul. 86
BS & B Niigata Engineering Co.	Gas Dehydration Skids	Max. Shell Thk : 150MM Weight : 300 MT	Dec. 89
Electricity Generating Authority of Thailand	Khanom Barge Mounted Power Plant	75 MW x 1 Unit (300T/H x 125K x 515°C)	Jan. 90
Saline Water Conversion Corp.	SWRO Desalination Plant	Capa. : 10-MIGD x 1 Unit	Jul. 91

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