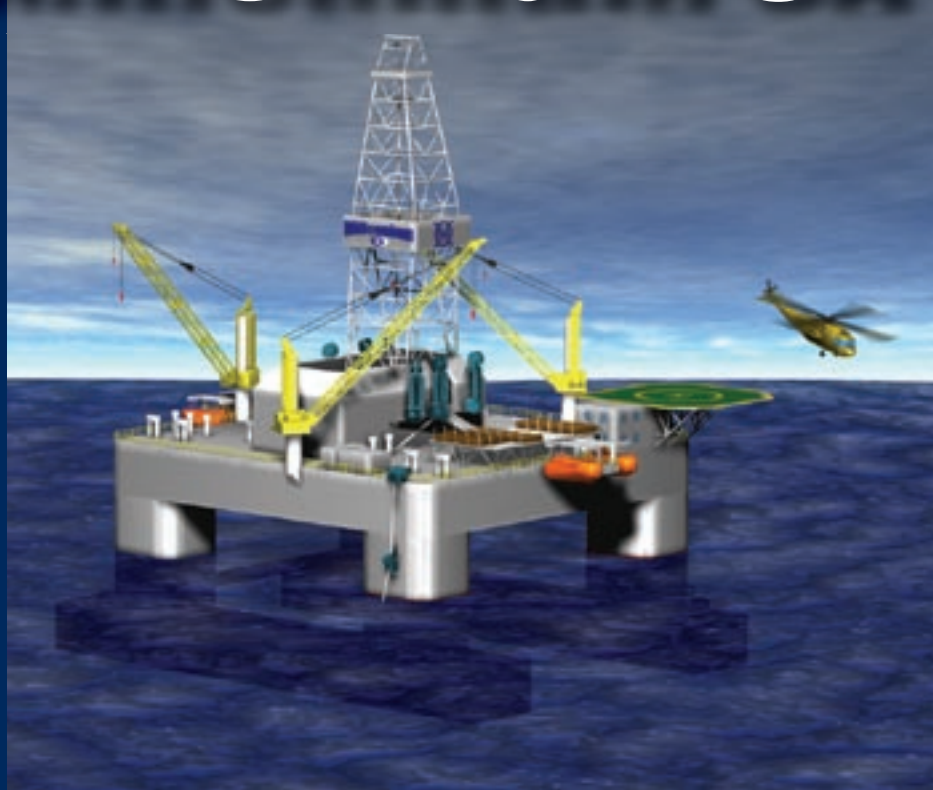


# Millennium SA



- **Increased Variable Deck Load**
- **Dps-2 Classification**
- **Enhanced Moonpool Functionality**
- **Enhanced Mud Storage Capabilities**

## GENERAL DESCRIPTION

Quarters Capacity-----	120 persons
Operating water depth-----	5,000 ft [1,524 m]
Drilling Depth-----	25,000 ft [7,620 m]
Max. Drilling Variable Deck Load-----	3,500 LT*
Max. Transit Variable Deck Load-----	3,500 LT*
Max. Survival Variable Deck Load-----	3,500 LT*

\*Plus 1500 LT Lower Hull Consumables

Heliport-----Designed for Sikorski S-61

## VESSEL DIMENSIONS/DISPLACEMENT

Length Overall-----	311 ft [94.8 m]
Width Overall-----	226.7 ft [69.1 m]
Main Deck Length-----	215 ft [65.5 m]
Main Deck Width-----	210 ft [64 m]
Depth of Main Deck-----	26.5 ft [8.1 m]
Column Dimensions-----	45 x 40 ft [13.7 x 12.2 m]
Pontoon Length-----	285 ft [86.9 m]
Pontoon Depth-----	25 ft [7.6 m]
Draft - Drilling-----	55 ft [16.76 m]
Draft - Survival-----	50 ft [15.24 m]
Draft - Transit-----	24 ft [7.32 m]

Displacement at:

► Drilling Draft-----	28,857 tonnes
► Survival Draft-----	27,880 tonnes
► Transit-----	21,550 tonnes

## STORAGE CAPACITIES

Liquid Mud [Upper Hull]-----	2,674 bbls [425 cu.m]
Liquid Mud [Columns]-----	2,064 bbls [328 cu.m]
Brine-----	As Required
Base Oil-----	As Required
Potable Water-----	2,640 bbls [420 cu.m]
Drill Water-----	13,355 bbls [2,123 cu.m]
Fuel Oil-----	14,867 bbls [2,363 cu.m]
Sack Storage-----	5,000 sacks
Bulk Storage:	
► Barite/Bentonite-----	5,160 cu. ft. [146 cu.m]
► Surge Tanks-----	2 @ 88 cu.ft. [2.5 cu.m]
► Cement-----	3,870 cu.ft. [110 cu.m]
► Surge Tank-----	1 @ 106 cu.ft. [3 cu.m]

## STATION KEEPING

Mooring System-----	Winches (2), Harbor Mooring
Wire Rope-----	3" x 400 m
Dynamic Positioning - DPS-2	
► Thrusters-----	Four x 4,400 kw,
-----	360° Azimuthing, Fixed Pitch, Variable Speed

## MUD CONDITIONING EQUIPMENT

Derrick "Flo-Line Scalper System"-----	1
Derrick "Hi-G" Finishing Shakers-----	3
Derrick "Hi-G" Finishing Shakers w/Hydrocyclone-----	1
Centrifuges-----	2 (Future)
Vacuum Degasser-----	1

# SEMI-SUBMERSIBLES

## WELL CONTROL EQUIPMENT

BOP Stack-----	16¾" x 10,000 psi
Control System-----	4th Generation Mux
Mux Reels (each)-----	6,000 ft [± 1 830 m]
Marine Riser-----	18⅝" O.D.
► Quantity-----	84 x 60ft with flotation
Slip Joints-----	2 each with 55' stroke
BOP Transporter-----	250 MT capacity
BOP & Tree Bridge Crane-----	250 MT capacity
Moonpool Dimensions-----	76'-0" x 22'-8" ft
Tensioners-----	Four Dual 120K & Two Single 120K
Diverter-----	49 ½"
Diverter Line-----	12" port/stbd

## DRILLING EQUIPMENT

Derrick-----	40 x 40 x 185 ft [12.2 x 12.2 x 54.4 m]
Drill Floor Height-----	40.23 m ABL
Drill Floor Dimensions-----	47'-6" x 74'-0" ft [14.5 x 22.6 m]
Tubular Setback Capacity-----	600 kips
Rotary-----	49 ½"
Hoisting Equipment:	
► Drawworks -----	3,000 hp DC Drive
► Traveling Block -----	650 short tons
► Drill String Compensator-----	600 kip, in line
► Top Drive-----	Optional
Piperacking System-----	Varco PRS
Mud Pumps-----	Three x 2,000 hp x 5,000 psi

## CRANES

Deck Crane (port)-----	50 mt @ 30 feet
Deck Crane (starboard)-----	50 mt @ 30 feet
Deck Crane (Aft)-----	50 mt @ 30 feet

## RIG POWER SYSTEM

Engines-----	Six x Cat 3616
Alternators-----	11 kv

## SAFETY EQUIPMENT

Lifeboats-----	Four x 60 persons
Liferafts-----	Ten x 25 persons

For more information contact:

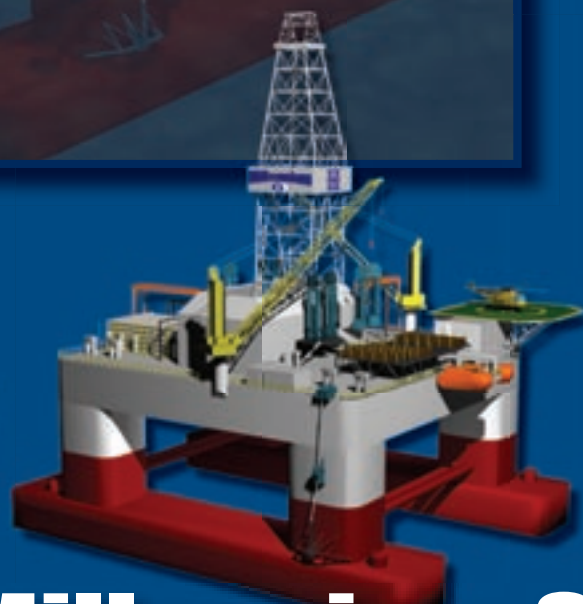
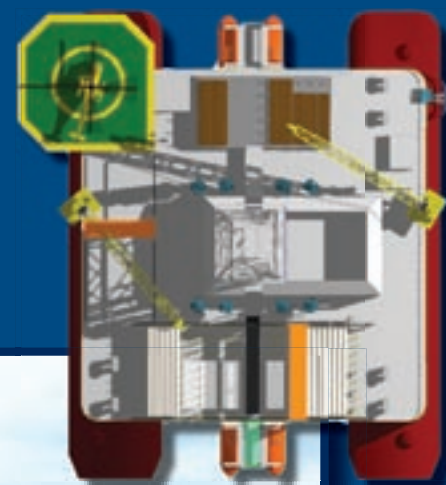
**Friede & Goldman, Ltd.**

10375 Richmond Ave., Suite 1200

Houston, TX 77042

Phone: (713) 952-344 Fax: (713) 952-3443

Email: sales@fng.com



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# FRIEDE & GOLDMAN