

# GSP ORIZONT



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DRILLING RIGS •

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**GRUP SERVICII PETROLIERE**

member of UPETROM GROUP



## TECHNICAL DATA

### GENERAL

Rig Type:	Four legs, self elevating unit, cantilever type
Design:	Sonnat Offshore Company
Builder:	Galatzi Shipyard, Romania
Year Built:	1982, rebuilt in 2010
Classification:	Germanischer Lloyd
Flag:	Malta
Accommodation:	90 + 2 Hospital
Helideck:	80 x 80 ft, rated for PUMA SA 330 B / BELL 212 – 412 helicopter
Max. Drill Depth:	30,000 ft
Max. Water Depth:	300 ft (91 m)
Operating Conditions:	Wave: 30 ft @ 12 sec Wind: 50 knots Surface Current: 2 knots

Storm Conditions:	Wave: 39 ft @ 10 sec; Wind: 86 knots Surface Current: 2 knots
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### TECHNICAL DIMENSIONS

Length:	172 ft / 52.42 m
Breadth:	134 ft / 40.84 m
Depth:	21 ft / 6.40 m
Ocean Transit Draft:	32 ft / 9.75 m
VDL – Operating:	2,200 st / 2,000 mt

### CAPACITIES

Liquid Mud:	1,880 bbls / 10,560 cuft / 299 m <sup>3</sup>
Drill Water:	3,648 bbls / 20,465 cuft / 580 m <sup>3</sup>
Potable Water:	1,272 bbls / 7,135 cuft / 202 m <sup>3</sup>
Fuel Oil:	1,635 bbls / 9,172 cuft / 260 m <sup>3</sup>
Bulk Mud:	4,620 cuft / 131 m <sup>3</sup>
Bulk Cement:	4,620 cuft / 131 m <sup>3</sup>
Sack Material:	3,000 sacks



## TECHNICAL DATA

### DRILLING EQUIPMENT

Derrick:	Upetrom, TD-320-43R, 144 ft x 45 ft x 30 ft, 881 kips dynamic load
Drawworks:	Upetrom, TFM-38, 3,000 HP, Lidan Disk Brake
Top Drive:	NOV, TDS 11 SA – 500 tons
Driller's Cabin:	Single Chair, Electronic Drilling Control
Rotary:	Upetrom, MRL-375, 37 ½ in opening, independent drive
Pipe Handling:	IR 3080
Mud Pumps:	3 x Triplex 1,600 HP each
Shale Shakers:	4 x ALS II Swaco
Desilter & Desander:	16 x 4 in cones Swaco
Mud Cleaner:	1 x ALS II Swaco
BOP:	1 x 13 - 5 / 8 in Hydrill GL 5 K annular, 1 x 13 - 5 / 8 in Shaffer U 10 K single, 1 x 13 - 5 / 8 in Shaffer U 10 K double
Diverter:	MSP 29 ½ in x 500 psi with 2 x 12 in tri-centric valves
Control System:	Koomey 80 / SB 220 – 11 SB 3 K, 3,000 psi
Choke & Kill:	1 x 4 in x 10 K choke manifold with 2 x 3 - 1 / 16 in x 10 K remote control chokes 1 x 3 - 1 / 16 in x 10 K manual choke
Cementing:	Schlumberger Cementing Unit (Third Party)

### MACHINERY

Main Power:	5 x Caterpillar 3512 DITA, 8,430 HP total, 600 V, AC
Emergency Power:	1 x Caterpillar C-18 DITA, 587 HP, 400 V, AC
Power Distribution:	11 x Siemens SIMOREG DC, Master 6RA 7093-4KS20-0-20
Deck Cranes:	2 x Link Belt ABS 218, 32 mt @ 19.7 ft 1 x Link Belt THC-80, 18.5 mt @ 24.6 ft

### JACK-UP SPECIFICATIONS

Legs:	Triangle; 4 x 400 ft; usable bellow hull = 355 ft
Leg Spacing:	Longitudinal 126 ft; Transverse 109 ft
Spud Cans:	4 x 38.83 ft diameter x 8 ft height
Jacking System:	Orion Class Pin & Hole
Cantilever / Slot:	Cantilever 55 ft x 20 ft

### MOORING EQUIPMENT

Winches:	2 ea x 20 to, B type, electric drive
Wire / Chain:	1 ¼ in x 300 m
Anchors:	2 x 4.5 to Hall





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