



## PIPE LAY WORK & CRANE BARGE

Classification: ABS A1  
Year built: 2011  
Flag: Panama

**Dimensions:** 120m x 33m  
**Mooring system:** 8-pt mooring  
**Pipelay system:** from 4" to 60"  
120t tensioner  
**Deck area:** 1 500 m<sup>2</sup>  
**Accommodation:** 240 berths



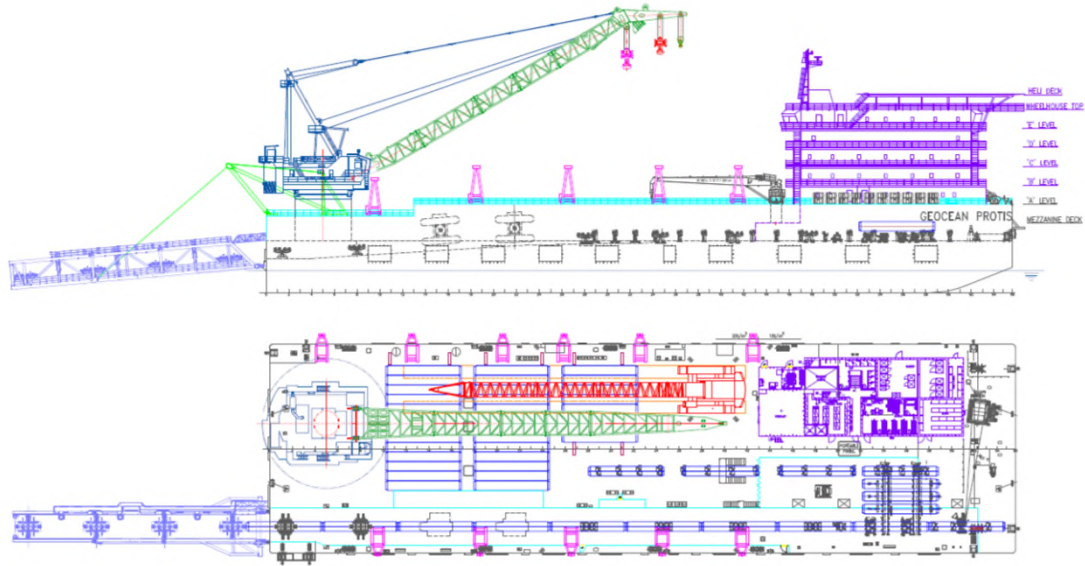
Marine  
Expertise and Innovation

<b>PRINCIPAL DIMENSIONS</b>	
LOA	120.0m
BREADTH	33.0m
DEPTH MLD	8.5m
OPERATING DRAFT	5.0m
DEADWEIGHT	10 320t
<b>ANCHORS &amp; MOORING SYSTEM</b>	
MOORING ARRANGEMENT	8-point mooring system
MOORING WINCHES	4 x double drum hydraulic winch Integrated monitoring system (Tension & payout meter) 120t capacity (150t brake) - 12m/min
MOORING WIRES	4 x 56mm and 4 x 58mm , between 800m and 1 200m long
ANCHORS	8 x 10t Flipper Delta Anchors
<b>MACHINERY</b>	
DIESEL GENERATOR SET	6 x 832kW - CUMMINS - 415V/3Ph/50Hz
EMERGENCY GENERATOR SET	1 x 360kW - CUMMINS - 415V/3Ph/50Hz
WATER MAKER	2 x 50m <sup>3</sup> /Day Reverse Osmosis
COMPRESSOR	2 x 1 200m <sup>3</sup> /h @10 bars 2 x 65m <sup>3</sup> /h @20 bars
<b>EQUIPMENT &amp; PUMP</b>	
FUEL OIL	1 x 40m <sup>3</sup> /h
FRESH WATER	1 x 136m <sup>3</sup> /h
BALLAST WATER	2 x 300m <sup>3</sup> /h
<b>TANK CAPACITY</b>	
FUEL OIL	1 849m <sup>3</sup>
FRESH WATER	2 702m <sup>3</sup>
BALLAST WATER	12 304m <sup>3</sup>
<b>ACCOMMODATION: 240 berths</b>	
SINGLE BERTH	30 x 1 -person
DOUBLE BERTH	33 x 2 -person
FOUR-PERSON BERTH	36 x 4 -person
OFFICES	10 x 3 -person
MEETING ROOMS	2 x 20-person
<b>SAFETY</b>	
LIFE RAFTS	40 x 25 Men SOLAS Approved
RESCUE BOAT	1 x 6 persons
FIRE PUMP	1 x 150m <sup>3</sup> /h
EMERGENCY FIRE PUMP	1 x 50m <sup>3</sup> /h
<b>TELECOM</b>	
RADIO STATION	1 x GMDSS
COMMUNICATION	2 x VSAT KU BAND 1 x FLEET 77 1 x TV SAT Antenna
<b>HELIDECK</b>	
TYPE	12.8t suitable for SIKORSKY S92 MI8

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<b>DECK</b>	
DECK STRENGTH	20t/m <sup>2</sup>
DECK AREA	Approx. 1 500m <sup>2</sup>
DECK TUGGER WINCHES	3 x 15t
<b>PIPELAY</b>	
CAPACITY	From 4" to 60"
TENSIONER	2 x 60t - REMACUT - 30m/min
A/R WINCH	1 x 120t - REMACUT - 30m/min (Fitted with 1 000m of 64mm diameter wire)
STINGER	20m with integrated monitoring system (Load cells, depth, angle and subsea camera)
WORK STATIONS	8 work stations (Typ. 4 x welding, 1 x NDT/repair, 3 x field joint coating)
WELDING SYSTEM	Can accommodate manual, semi-automatic and fully automatic
DAVIT (optional)	Can accommodate 6 x 50t
<b>CRANES</b>	
MAIN CRANE	520t fully revolving SKK 6000 58m boom length 1 x 18t tugger winch for hook control 2 x 7t tugger winches for load control
CRAWLER CRANE	100t Manitowoc MLC 100
SERVICE CRANE	10t
<b>Inspection Class ROV (Optional)</b>	
"SUPER ACHILLE"	Video inspection & survey
OPERATING WATER DEPTH	800m
SURVEY EQUIPMENT	USBL ready, navigation sonar, CP probe, thickness gauge
MANIPULATOR ARM	1 x 3-functions
<b>Multipurpose ROV (Optional)</b>	
"PERSEO GTV"	Survey and workclass
OPERATING WATER DEPTH	1 500m
SURVEY EQUIPMENT	USBL ready - responder mode, navigation sonar, side scan sonar, multibeam echo sounder, INS with DVL, HD Cam, pipe tracker active & passive...
MANIPULATOR ARM	1 x 5-functions and 1 x 7-functions with rotating cutter option

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MAIN HOOK 520 Tonne (14 Falls, Double Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	77.3°	80°	
25.0m	MAIN HOOK	TOTAL RATED LOAD (t)	153.7	161.3	171.1	183.8	200.2	221.8	251.0	292.2	353.5	453.0	520.0		
		WORKING RADIUS (m)	27.1	26.0	24.7	23.3	21.8	20.1	18.3	16.5	14.5	12.5	11.5	10.3	
MAIN HOOK 520 Tonne (10 Falls, Double Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°		
39.4m	MAIN HOOK	TOTAL RATED LOAD (t)	91.8	96.9	103.5	111.9	122.9	137.21	156.6	183.7	224.0	289.1			
		WORKING RADIUS (m)	39.5	37.8	35.8	33.5	31.0	28.4	25.5	22.5	19.4	16.2	12.8		
MAIN HOOK 250 Tonne (8 Falls, Double Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°		
50.2m	MAIN HOOK	TOTAL RATED LOAD (t)	63.4	67.5	72.8	79.5	88.3	99.8	115.4	137.3	170.0	223.3			
		WORKING RADIUS (m)	48.9	46.6	44.0	41.1	38.0	34.6	30.9	27.1	23.1	19.0	14.7		
AUX. 1 HOOK 250 Tonne (8 Falls, Double Lines) / AUX. 2 HOOK 60 Tonne (4 Falls, Single Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	55°	60°	65°	70°	71.1°	75°	80°	
25.0m	AUX. 1 HOOK	TOTAL RATED LOAD (t)	112.1	117.3	123.9	132.4	143.4	157.6	176.6	202.6	239.8	250.0			
		WORKING RADIUS (m)	32.4	31.2	29.7	28.1	26.2	24.3	22.1	19.9	17.5	17.0	15.0	12.5	
	AUX. 2 HOOK	TOTAL RATED LOAD (t)	60.0												
		WORKING RADIUS (m)	35.7	34.4	32.9	31.2	29.2	27.1	24.8	22.4	19.8	19.2	17.1	14.4	
AUX. 1 HOOK 250 Tonne (8 Falls, Double Lines) / AUX. 2 HOOK 60 Tonne (4 Falls, Single Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	54.4°	55°	60°	65°	70°	75°	80°	
39.4m	AUX. 1 HOOK	TOTAL RATED LOAD (t)	71.1	74.8	79.7	85.9	94.0	103.3	104.5	118.6	138.1	166.6	211.4		
		WORKING RADIUS (m)	44.9	43.0	40.7	38.2	35.5	32.8	32.5	29.3	26.0	22.4	18.7	15.0	
	AUX. 2 HOOK	TOTAL RATED LOAD (t)	40.0	41.5	43.6	46.8	52.0	60.0							
		WORKING RADIUS (m)	48.2	46.2	343.9	41.4	38.5	35.7	35.4	32.0	28.5	24.8	20.9	16.9	
AUX. 1 HOOK 170 Tonne (6 Falls, Double Lines) / AUX. 2 HOOK 60 Tonne (4 Falls, Single Lines)															
JIB LENGTH		JIB ANGLE	30°	35°	40°	45°	50°	55°	60°	65°	67.3°	70°	75°	80°	
50.2m	AUX. 1 HOOK	TOTAL RATED LOAD (t)	49.7	52.8	56.9	62.0	68.7	77.5	89.3	105.7	115.6	129.9	168.3		
		WORKING RADIUS (m)	54.2	51.8	49.0	45.9	42.4	38.7	34.7	30.5	28.5	26.1	21.5	16.8	
	AUX. 2 HOOK	TOTAL RATED LOAD (t)	30.0	31.0	32.4	34.3	36.9	40.4	45.8	54.3	60.0				
		WORKING RADIUS (m)	57.5	55.1	55.2	49.0	45.4	41.6	37.4	33.1	31.0	28.4	23.7	18.7	

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