

Venus 1



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Delivered in 2019, Venus 1 is a modern, flexible and efficient Jack up Barge equipped with a 300T crane and has supported Oil & Gas platform maintenance and well service operations since its inception. Venus 1 is also designed to work on a range of wind energy scopes, including support for substation commissioning, turbine maintenance and major component exchanges.

CLASSIFICATION AND RULES

Type:	GustoMSC NG2500X
Built:	2019
Yard:	CMHI, China
Class:	ABS A1 Self-elevating Unit + AMS+ ACCU + DPS 2, HELIDK, CRC, Wind IMR
Flag:	Panama
IMO:	9812729

MAIN DIMENSIONS

Hull	
Length (waterline):	61m
Length (overall):	76m (including helideck)
Width overall:	36m
Hull depth:	6m
Draft:	4m (6.2 m incl. thruster)
Main deck area:	800 m ²
Deck load	10t/m ² - 5t/m ²
Variable load:	1132 t
GRT/NRT	5804/1741 t

Helideck (Aluminum)

Diameter:	22.2 dia., 12.6 tons
Helicopter Type:	Sikorsky S92A- S61N)

Legs and Spudcans

Number/Type:	4/triangular truss
Footing type:	Diamond Shape
Leg length:	94.2m
Spud Can Details:	6.0m x 6.9m x 2.36m
Max. Water Depth:	70 m
Spuds Surface Area:	30 m ²

Jacking System (GustoMSC)

Type:	Electric rack and pinion
Pinion:	18/leg (Total 72)
Elevating speed:	1.2m/min
Normal Jacking:	1620t/leg - 90t/pinion
Holding Capacity:	2754t/leg - 153t/pinion
Pre-load Holding:	3672t/leg - 204t/pinion

MACHINERY/EQUIPMENT

Main Generator:	4 x CAT 3512C 1700 ekW
Em,cy Generator:	1 x CAT C18, 565 ekW
Water Maker:	2 x 40 m ³ /day RO Type
Sewage treatment:	150 Person per day

PROPULSION UNITS

Azimuth thrusters:	4 x 1500kW, WSP240-FP-L 780 rpm
Avg service speed:	6 knots

CRANES

Main crane WMMP pedestal mounted at stern	
Boom length:	58m
Capacities:	300t @ 9-15m, 50t @ 55.5m, Whipline: 30t @ 60m.
Auxiliary crane WMMP deck crane at Starboard	
Boom length:	35m
Capacities:	15t @ 30m, Whipline; 5t @ 35m

SAFETY SYSTEMS

Fire and gas detectors throughout the whole vessel in full compliance with MODU requirements.

2 x 150 POB Lifeboats.
1 x 6 men MOB/Fast Rescue Craft.
6 x 25 men Life rafts

Deck Equipment

Mooring Winches:	1 x Electro-Hydraulic, Single Drum Ø60mm×750m, RL 40T
Brake Force:	210T (Static), ≥9m/min
Bollards/Chocks:	8 x 50 ton
Fairlead:	2 x 392 kN

Tanks Capacity

Fuel Oil:	423 m ³
Fresh Water:	421 m ³
Ballast Water:	900 m ³
Brine Water:	337 m ³

Control Systems

Dynamic Positioning Control System (DPCS) according to ABS DPS 2. (Kongsberg)

Navigation and communication systems, according to IMO and DSI requirements.

ACCOMMODATION AND FACILITIES

Standard accommodation:

150 POB
12 x 1 men berth
61 x 2 men berth
4 x 4 men berth

Cabins equipped with en-suite shower/toilet, telephone, TV/DVD and network connections.

Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gymnasium, male and female changing rooms, coffee rooms, sick bay, Heli reception/departure facilities, laundry, stores and workshops.