

# Venus 2



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Delivered in 2019, Venus 2 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 2 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:	9812731

## MAIN DIMENSIONS

<b>Hull</b>	
Length (waterline):	64m
Length (overall):	79m (including helideck)
Width overall:	36m
Hull depth:	6m
Draft:	4m (6.3 m incl. thruster)
Main deck area:	1035 m <sup>2</sup>
Deck load	10t/m <sup>2</sup> - 5t/m <sup>2</sup>
Variable load:	1176 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 <sup>2</sup>

## 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 35 m <sup>3</sup> /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

<b>Main crane WMMP pedestal mounted at stern</b>	
Boom length:	58m
Capacities:	300t @ 9-15m, 50t @ 55.5m, Whipline: 30t @ 60m.
<b>Auxiliary crane WMMP deck crane at Starboard</b>	
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 <sup>3</sup>
Fresh Water:	423 m <sup>3</sup>
Ballast Water:	900 m <sup>3</sup>
Brine Water:	335 m <sup>3</sup>

## 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.