

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.

General Information

Type:	Self-Elevating Jack up Barge
Design:	Gusto MSC NG2500X
Built:	2019
Builder:	CMHI (China)
Class & Notations:	ABS A1, Self-Elevating Unit, AAMS, ACCU, DPS-2, Wind IMR, CRC, HELIDK
Flag:	Panama
IMO:	9812729

Principle Dimensions

Length overall LOA:	76m
Hull length:	61m
Hull breadth:	36m
Total beam (BOA):	36m
Hull depth:	6m
Draft:	4m
Variable load:	1382t
Load capacity:	10t/m ² – 5t/m ²
Main deck area:	1000 m ²

Helideck

Type/ Diameter:	Aluminium / 22.2m
Capacity:	12.6 Tons
Helicopter type:	Sikorsky S61N-S92N / CAP 437

Legs and Spud cans

Number/Type:	4 / Triangular truss
Leg length:	94.2m
Spud can type:	Diamond with tip
Spud can dimension:	6.0m x 6.9m x 2.36m
Spud can bearing area:	30 m ²
Spud can bearing pressure:	104 t/m ²

Jacking System

Type:	Electric rack and Pinion
Maker:	Gusto MSC
Pinion per leg:	18/leg (Total 72)
Elevating speed:	0.8m/min - 1.2m/min
Normal jacking:	1620t/leg - 90t/pinion
Holding capacity:	2754t/leg - 153t/pinion
Pre-load holding:	3672t/leg - 204t/pinion

Generators and Machinery

Main generator:	4 x CAT 3512C 1700 ekW
Emergency generator:	1 x CAT C18, 565 ekW
Water maker:	2 x 40m ³ /day
STP:	150 POB

Cranes

Main crane	
Maker/ Model:	WMMP HGD8A-00-WG
Type:	Pedestal mounted at stern crane
Boom length:	58m
Capacities:	300t @ 9-15m, 50t @ 55.5m, Aux; 30t @ 60m.
Hooks above main deck:	Main hook: 57.5m Aux hook: 63.5m
Auxiliary crane	
Maker/ Model:	WMMP HGD8B-00-WG15T
Type:	Deck crane at Starboard
Capacities:	15t @ 30m, Aux; 5t @ 35m

Safety Systems

Lifeboats:	2 x 150 POB
Life rafts:	6 x 25 Men
MOB/Fast rescue craft:	1 x 6 POB

Propulsion

AFT thrusters:	2 x 1500kW, WSP240-FP-L
FWD thrusters:	2 x 1500kW, WSP240-FP-L
Service speed:	6 knots

Tank Capacity

Fuel oil:	423 m ³
Fresh water:	421 m ³
Ballast water:	900 m ³
Brine water:	337 m ³
Endurance:	60 Days

Operation Conditions

Criteria	Wind	Hs	Current
Field transit:	10.8 m/s	2.0 m	-
DP:	10.8 m/s	2.0 m	1.03 m/s
Jacking:	10.8 m/s	2.0 m	1.03 m/s
Water depth:	60m		

Control Systems

DP System:	Kongsberg K-POS 21
Navigation and communication systems, according to IMO requirements.	

Accommodation and Facilities

Configuration:	Current	Northern Europe
1 Man cabins:	12 Cabins	12 Cabins
2 Men cabins:	61 Cabins	65 Cabins
2 Men in TLQs:	-	-
4 Men cabins:	4 Cabins	-
4 Men in TLQs:	-	-
Total POB:	150 POB	142 POB

Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gymnasium, changing rooms, coffee rooms, sick bay, Helli reception/ departure facilities, laundry, stores, workshops, Starlink VSAT and DP-PRS