

## NAGA 6

NAGA 6 is a three-legged 375 ft independent leg jack-up drilling rig, designed by Gusto MSC. Built to the standards of IMO MODU Code 2009 consolidated version.

NAGA 6 meets the demands of the offshore drilling industry by providing latest technology in the systems and operations of the rig, bigger deck space, 150 maximum POB, capable to drill at 375ft water depth and deep drilling of 30,000 ft depth with various off-line capabilities.

The GustoMSC patented X-Y cantilever design is unique and allows the rotary table to be skidded out to a maximum of 70ft and 20ft from the centre line. The X-Y cantilever enhances drilling efficiency and reduces the weight of the cantilever, thus increasing the unit's capacity. With the X-Y system, the load charts of the cantilever allow for maximum combined loads (1,500kips) over the full envelop, improving development drilling over fixed platforms.

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GENERAL	
Name	VELESTO NAGA 6
Design	GustoMSC-CJ46-X100D
Delivery	September 2014
Construction Yard	China Merchants Heavy Ind. (Shenzhen)Co. Ltd, China
Jack Up Type	Independent Leg Jack Up Drilling Rig
Flag	Panama
Classification	ABS
Class Notations	A1 Self-Elevating Drilling Unit

MAIN DIMENSIONS / TECHNICAL	
Length and Breadth	214 ft x 203 ft
Depth	26 ft
Draft	14.7 ft
Leg Length	503 ft
Leg Length (under hull)	437 ft
Leg Spacing	Transverse: 150ft Longitudinal: 131ft
Spud Can Diameter	45 ft
Bearing Pressure	10.77 kips/ft
Design Water Depth	375 ft
Minimum Water Depth	30 ft <i>*Subject to site specific</i>
Drilling Depth	30,000 ft
Variable Load	Afloat: 5,511 kips Elevated: 7,716 kips
Drilling Envelope	70 ft x 40 ft
Helideck	Capacity: 12.6 MT
Helideck Compliance	CAP 437
Refueling System	2 x Wilmax 750 gallon

DRILLING EQUIPMENT	
Derrick	NOV 35 ft x 40 ft x 170 ft
Hookload	1,500 kips
Drawworks	NOV ADS-10T, 3,200 HP
Top drive	NOV TDS-8SA Rated Capacity: 680 MT
Racking Capacity	30,000 ft
Pipe Handling	PRS-8i, Foxhole
Iron Roughneck	NOV ST-120
Rotary Table	NOV RST 495, 49-1/2"
Hydraulic Cathead	2x NOV HC-26EV
Driller's Instrumentation	NOV Amphion System

TUBULARS	
Drill Pipe	5 -1/2" S-135 FH DSTJ (21.9 ppf) 4" DSTJ S-39 (14 ppf)

WELL CONTROL	
BOP	18-3/4" NOV NXT-M 15,000 psi WP
BOP Annular	18-3/4" NOV SBOP BIG BOY 10,000 psi WP
Diverter	Vetco Gray KFDJ-500 49-1/2"
Choke & Kill Manifold	4-1/16" ID 15,000 psi
BOP Hoist	J.D Neuhaus EH 100 Lifting Capacity: 200 MT
Conductor Tensioner	PH Hydraulics 225 MT Max 30" Casing

SURVIVAL EQUIPMENT	
Lifeboat Quantity	4
Lifeboat Capacity	65 person/craft
Liferaft Quantity	6

LIFTING EQUIPMENT	
Deck Crane	3 x Favelle Favco 7.5/10k
Location	1 x Port Aft, 1 x Port Forward, 1 x Starboard
Main Hoist Capacity	Up to 50.0 T at 12.0 m Up to 9.2 T at 41.4 m
Fly Hoist Capacity	Up to 10.0 T at 42.1 m Up to 9.4 T at 43.3 m
Knuckle Boom Crance	NOV Knuckle Boom pipe handling crane with lifting pad eyes 7 MT, with gripper yoke for 2-7/8" to 20"

POWER PLANT	
Main Engines	5 x Caterpillar 3516C-HD, 2,150 hp
Main Generators	5 x KATO @ 1,530 ekW
Emergency Engine	Caterpillar c-32 with air shutoff
Emergency Generator	Leroy Somer @ 900 ekW

MUD SYSTEM	
Mud Pumps	3 x NOV W14-P-220, 2,200 hp Triplex Type, 7,500 psi
Shale Shakers	5 x DERRICK Flo-line 504
Desander	1 x DERRICK DSV-10-3
Desilter	1 x DERRICK S-420-S
Degasser	2 x DERRICK Vacu-Flo 1200
Mud/Gas Separator	NOV Brant 250 psi WP, 10" ID

STORAGE CAPACITIES	
Fuel	3,547 bbl
Potable Water	3,698 bbl
Liquid Mud	4,578 bbl
Brine	1,276 bbl
Barite/Bentonite Silos	7,486 ft <sup>3</sup>
Cement Silos	7,486 ft <sup>3</sup>
Sack Storage	5,000 sacks
Base Oil	1,276 bbl
Preload (Independent)	52,167 bbl
Preload / Drill Water Tank	22,325 bbl (Interchangeable tank drill / preload)

MOORING EQUIPMENT	
Mooring Winches	4 x PH Electric Driven, single drum, 38mm Wire rope, 35 tons stall pull, 104 tons band break.
Anchor Lines	
Anchor	

JACKING SYSTEM	
No. of Jack or Pinions	6 pinions per chord 3 x chords per leg,
Max. Jacking Load	296 MT per pinion 5328 MT per leg
Fixation Available	YES
RPD Monitoring	YES

SPECIAL FEATURES & OTHER INFORMATION	
HPHT & MPD	Equipped for HPHT & MPD operation
EKD	Equipped for EKD Installation
Skidding	X-Y Skidding System
Field Transit	Capable to rig move with 300 kips of setback in the derrick

OFFLINE SYSTEM	
	Ability to make-up and break-out drill pipe offline.
	Ability to perform offline cementing job
	Ability to perform offline centrifuge