

Naga 2

Jack-up drilling unit

Owner UMW and Singapore Drilling
Builder DryDocks World-SEA
Delivered 2009

Description

Three-legged X-Y cantilever jack-up drilling unit, GustoMSC type CJ46-X100-D.

Classification

ABS, #1A1 Self-elevating drilling unit, DRILL (N)

Main dimensions

Length hull	65.25 m
Breadth hull	62 m
Depth hull	8.0 m
Design draft	4.5 m

Survival conditions

Water depth	106 m
Air gap	15 m
Wave height	15 m
Current	0.51 m/s
Wind speed	51 m/s
Spudcan penetration	5 m

Main tank capacities

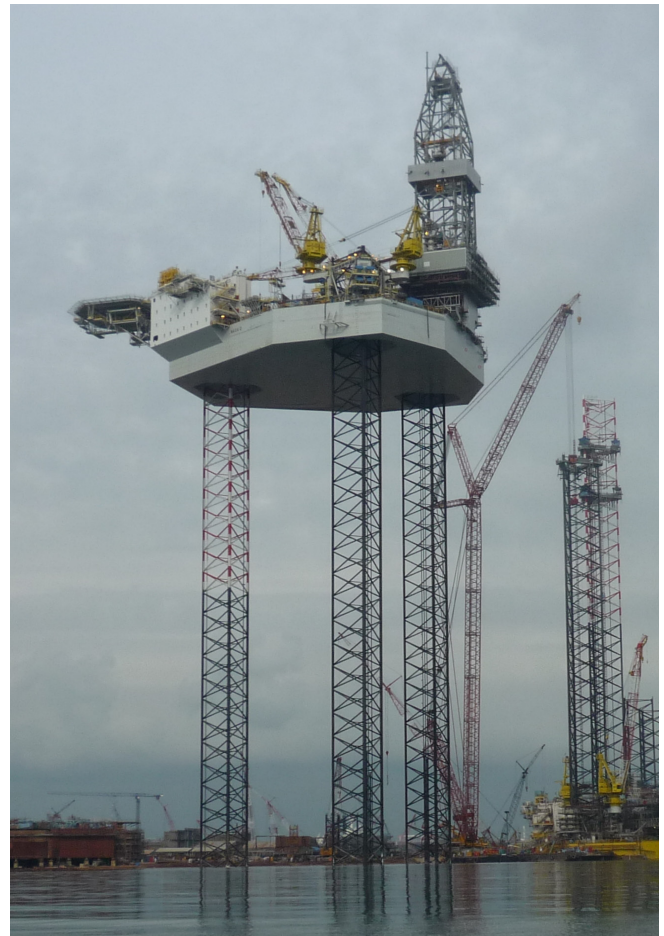
Fuel oil	800 m ³
Drill water	3,000 m ³
Potable water	450 m ³
Preload	10,500 m ³
Liquid mud	740 m ³
Bulk mud/ cement	425 m ³
Brine	200 m ³
Base oil	200 m ³

Variable and combined load

Variable and combined load operational	4,180 t
Combined drilling load (independent of transverse position):	
• Survival (independent of reach)	300 t
• Operating at 21.33 m extension	680 t
• Operating at 15.24 m extension	1,240 t

Legs

Leg length	147.4 m
Leg diameter	10 m
Spudcan area	150 m ²



Jacking system

Number of pinions	54
Make	GustoMSC
Type	GDRL-100/6

Fixation system

Make	GustoMSC
Type	5000

Cantilever system

Type	GustoMSC X-Y
Longitudinal reach	21.33 m
Transverse reach	12.2 m

Accommodation

100 persons

The Netherlands

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Drilling equipment

Drilling depth	9144 m
Derrick	160 ft - 1,500 kips
Draw works	3,000 hp
Top drive	2,000 hp
Well control equipment	15,000 psi HP /HT
Mud pumps	3 x 2,200 hp

Machinery/ equipment

Main generator sets	5 x 1,640 kW
Deck cranes	3 x 50 t

GustoMSC services

GustoMSC provided the basic design package, including ABS approval.

GustoMSC also supplied the rack and pinion jacking systems, fixation systems and X-Y cantilever skidding systems.

Sister Unit

Naga 3 (delivered 2010)

Data presented in this product sheet is for information only. Unit specific specifications as provided by the Owner shall prevail.