

SELF-PROPELLED CANTILEVER JACK-UP

NG-5500X-LD

# BEST-IN-CLASS SOLUTION FOR LIGHT DRILLING



VARIABLE  
LOAD MAX  
**2,750 T**

FREE DECK SPACE  
FOR MISSION EQUIPMENT  
**1,200 M<sup>2</sup>**  
12,916 SQFT

FAST &  
AUTONOMOUS  
POSITIONING  
**DP2**

COMBINED LOAD  
**350 T**  
770 KIPS

CANTILEVER  
REACH  
**18.3 X 7.9 M**  
60 X 26 FT

**GustoMSC**

## Highlights

- Safe, solid and stable platform
- Transit and positioning without tug assistance
- Easy and fast installation onsite by diagonal pre-loading
- Large free deck space
- Modern accommodation layout
- VFD controlled Rack & Pinion jacking system
  - Fast, secure and controlled Jacking and Preloading
  - High number of jacking moves
  - Built-in redundancy
- The NG series can be fully customized to owner's specific requirements

The NG's are a series of multi-purpose jack-ups. These units undertake transit and positioning offshore without tug assistance. The four legs and diagonal preloading capability allow for easy, fast and secure jacking and pre-loading operations.

The NG-5500X-LD is intended for use in water depths of up to 80 m in a moderate environment as well as harsh offshore environment water depths of 50 m. The unit is equipped with a well balanced DP2 maneuvering capability and a VFD driven jacking system providing a controlled ramp-up / ramp-down, speed & torque control, for frequent, fast and secure jacking operations and with high redundancy.

The NG-5500X-LD truly bridges the gap between the successful shallow to midwater service units and the full-fledged drilling rigs. This light drilling rig will ensure high utilization as it can serve a variety of brown field needs.



NG-5500X-LD



GustoMSC Jacking system



GustoMSC Cantilever X-Y skidding system

## MAIN CHARACTERISTICS

| Hull          |                  |        |
|---------------|------------------|--------|
| Hull length   | 87.5 m           | 287 ft |
| Hull width    | 42.0 m           | 138 ft |
| Hull depth    | 8.0 m            | 26 ft  |
| Design draft  | 5.2 m            |        |
| Accommodation | up to 90 persons |        |

## Legs

|                       |                                 |  |
|-----------------------|---------------------------------|--|
| Type                  | triangular open truss, X-braced |  |
| Overall length        | 107 m                           |  |
| Leg length under hull | 89 m                            |  |
| Footing area          | 90 m <sup>2</sup>               |  |

## Cantilever

|                    |                  |  |
|--------------------|------------------|--|
| Maximum reach      |                  |  |
| - Longitudinal     | 18.3 m (60 ft)   |  |
| - Transverse       | 7.9 m (26 ft)    |  |
| Max. combined load | 350 t (770 kips) |  |

## Deck

|                                    |  |  |
|------------------------------------|--|--|
| Auxiliary crane                    | 2 x 50 t @ 20 m                            |  |
| Helideck                           | suitable for Sikorsky S61N (9.3t - 22.2 m) |  |
| Variable load                      | up to 2,750 t                              |  |
| Deck load capacity main deck       | 5 t/m <sup>2</sup>                         |  |
| Free deck space                    | 800 m <sup>2</sup>                         |  |
| Free deck space (under cantilever) | 400 m <sup>2</sup>                         |  |

## STORAGE CAPACITIES

|               |                    |
|---------------|--------------------|
| Fuel oil      | 600 m <sup>3</sup> |
| Potable water | 400 m <sup>3</sup> |
| Liquid mud    | 340 m <sup>3</sup> |

## POWER PLANT

|                 |                             |
|-----------------|-----------------------------|
| Main power      | 4 x 2,350 kW + 2 x 1,200 kW |
| Emergency power | 1 x 800 kW                  |

## PROPULSION

|   |                        |
|---|------------------------|
| Thruster type                                 | Azimuthing thrusters * |
| Thruster power                                | 4 x 2,200 kW           |
| Transit speed                                 | 8.0 knots              |
| * alternative propulsion arrangement optional |                        |

## GUSTOMSC SUPPLIED EQUIPMENT

|                                |                              |
|--------------------------------|------------------------------|
| Jacking system                 | Floating opposed rack&pinion |
| GLL - 80/6                     | 3 layers of 24 pinions       |
| Cantilever X-Y skidding system | 1 system                     |

## DRILLING EQUIPMENT

|                         |                        |
|-------------------------|------------------------|
| Drilling depth          | 12,000 ft (3,658 m)    |
| Derrick                 | 117 ft, 24 x 24 ft     |
| Top drive               | 550 kips               |
| Rotary table            | 37.5 inch, AC driven   |
| Draw works              | 400 HP                 |
| BOP                     | 13-5/8 inch, 5,000 psi |
| Diverter                | 37.5 inch, 500 psi     |
| Kill and Choke Manifold | 5,000 psi              |
| Mud pumps               | 2                      |

## GUSTOMSC SERVICES

GustoMSC provides the basic design package including all services required to obtain Class approval. Delivery of the jacking system and skidding system by GustoMSC.

## CLASSIFICATION, REGULATIONS

|  |
|--|
| DNV GL or ABS Self-elevating drilling unit |
| IMO MODU code                              |
| SNAME-RP T&R 5-5A and/or ISO 19905-1       |

Data presented in this product sheet is for information only and subject to change without notice.



GustoMSC is an independent, world renowned and leading design and engineering company, thanks to the vast knowledge and expertise of our dedicated professionals and our close relationships with the most influential players in the offshore energy market. We serve the offshore industry by providing best-in-class solutions for mobile offshore units.

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