NAGA 4

NAGA 4 is a three legged 400 ft independent leg jack-up drilling rig, designed and built by Keppel FELS in Singapore. The KFELS B Class jack-up rig has been built to the standards of IMO MODU Code (1989 with 1991 amendments) and been delivered in April 2013.

NAGA 4 meets the demands of the offshore drilling industry by providing latest technology in the system and operation of the rig, bigger deck space, 150 POB, capable to drill at 400 ft water depth and deep drilling of 30,000 ft depth.
## GENERAL
- **Name**: NAGA 4
- **Design**: Keppel FELS B Class Design
- **Delivery**: March 2013
- **Construction Yard**: Keppel FELS Yard, Singapore
- **Jack Up Type**: Independent Leg Jack Up Drilling Rig
- **Flag**: Malaysia
- **Classification**: ABS
- **Class Notations**: A1 Self-Elevating Drilling Unit

## MAIN DIMENSIONS / TECHNICAL
- **Length and Breadth**: 234 ft x 208 ft
- **Depth**: 25 ft
- **Draft**: 16 ft
- **Leg Length**: 517 ft
- **Leg Length (under hull)**: 460 ft
- **Leg Spacing**: Transverse: 142 ft, Longitudinal: 129 ft
- **Spud Can Diameter**: 47.20 ft
- **Bearing Pressure**: 9.84 kips/ft²
- **Design Water Depth**: 400 ft
- **Minimum Water Depth**: 22 ft
  - Subject to SSA
- **Drilling Depth**: 30,000 ft
- **Variable Load**:
  - Afloat: 4,500 kips
  - Elevated: 7,500 kips
- **Drilling Envelope**: 70 ft x 30 ft
- **Helideck**:
  - Capacity: 12.8 MT
- **Helideck Compliance**: CAP 437
- **Refueling System**: 2 x Wilmax 750 gallon
- **Accommodation**: 150 POB

## DRILLING EQUIPMENT
- **Derrick**: Lee C Moore 36 ft x 36 ft x 160 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**: Forum 16K- OAC
- **Iron Roughneck**: Primary: NOV AR 3200, Secondary: NOV ST 120
- **Rotary Table**: NOV RST 495, 49”/2”
- **Driller’s Instrumentation**: NOV Amphion System

## TUBULARS
- **Drill Pipe**:
  - 5½”, S135 (21.9 ppf)
  - 4” S135 (16.38 ppf)

## WELL CONTROL
- **BOP**: 18”/2” Cameron TL 15,000 psi WP
- **BOP Annular**: 18”/2” Cameron DL 10,000 psi WP
- **Diverter**: Drill-Quip 49 ½”
- **Choke & Kill Manifold**: 3”/2½” ID 15,000psi
- **BOP Hoist**: Ingersoll Rand
- **Lifting Capacity**: 136 MT

## LIFTING EQUIPMENT
- **Deck Crane**: 3 x FavelleFavco 7.5/10k
- **Location**:
  - 1 x Port Aft, 1 x Port Forward, 1 x Starboard
- **Main Hoist Capacity**:
  - Up to 45.4 T at 12.2 m
  - Up to 11.0 T at 36.6 m
- **Fly Hoist Capacity**:
  - Up to 10.0 T at 35.6 m
  - Up to 9.8 T at 38.6 m

## POWER PLANT
- **Main Engines**: 5 x Caterpillar 3516C-HD, 2,150 hp
- **Main Generators**: 5 x Baylor @ 1,720 ekW
- **Emergency Engine**: Caterpillar 3508B-DITA
- **Emergency Generator**: Stamford @1,051 ekW

## MUD SYSTEM
- **Mud Pumps**: 3 x LEWCO W-2215, 2,200 hp
- **Top Drive**: Triplex Type, 7,500 WP
- **Shale Shakers**: 5 x NOV Brandt VSM 300
- **Desander**: 1 x NOV Brandt Integrated with VSM 300
- **Desilter**: 1 x NOV Brandt Integrated with VSM 300
- **Degasser**: 2 x NOV Brandt DG-10
- **Mud/Gas Separator**: Technic Offshore 177 Psi WP, 10” ID

## STORAGE CAPACITIES
- **Fuel**: 3,265 bbl
- **Potable Water**: 2,052 bbl
- **Liquid Mud**: 2,987 bbl
- **Brine (Independent)**: 1,176 bbl
- **Mud / Brine Tank**: 1,036 bbl
  - (interchangeable tank mud/brine)
- **Barite/Bentonite Silos**: 6,000 ft³
- **Cement Silos**: 5,100 ft³
- **Sack Storage**: 5,000 sacks
- **Base Oil**: 1,532 bbl
- **Preload (Independent)**: 46,900.7 bbl
- **Drill Water (Independent)**: 3,825 bbl
- **Preload / Drill Water Tank**: 14,959.2 bbl
  - (interchangeable tank drill / preload)

**NOTE:** Specifications, dimension and capacities are indicative and subject to change without notice