



QMS SURPRISE II

318 POB, SELF-ELEVATING BARGE

| | |
|------------------|---|
| Year of Delivery | : 2019 |
| Port of Registry | : Kingstown |
| Flag | : St. Vincent & Grenadines |
| IMO Number | : 9814325 |
| Class | : ABS, A1, Self-Elevating Unit, AMS, - NP DPS-1 CRC CPS HELIDK |

GENERAL

| | |
|------------------|----------------------------|
| Length Overall | : 87.175 m |
| Hull Length | : 62.22 m |
| Hull Breadth | : 40.80 m |
| Hull Depth | : 6.00 m |
| Design Draft | : 3.20 m (Incl. Spud Cans) |
| Max. Deck Load | : 5 tons/m ² |
| Free Deck Space | : 700 m ² |
| Max. Speed | : 6 kts. |
| Variable Load | : 2020 tons |
| Max. Water Depth | : 65 m |

LEGS

| | |
|---|--|
| 4 Nos. Cylindrical Type | |
| 90.00 m leg length | |
| Spud can : 11.8 x 6.8 x 1.8 m (L x B x H) | |
| Spud can Footing Area : 80.24 m ² | |
| Jetting system : HP jetting water 40m ³ /hr @ 28 bar | |
| Max. Bearing pressure : 33 ton/m ³ | |

JACKING SYSTEM

| | |
|------------------------|--|
| Jacking system | : Electro-Hydraulic Rack & Pinion type |
| Jacking Speed | : 0.6 m/min, 1.2m/min |
| Pinion Per Leg | : 14 Pinion per leg (Total 56) |
| Storm Holding Capacity | : 200 tons/ pinion |

TANK CAPACITY

| | |
|---------------|--------------------------|
| Fuel Oil | : 443.20 m ³ |
| Fresh Water | : 536 m ³ |
| Ballast Water | : 1470.90 m ³ |
| Brine | : 191.50 m ³ |

MACHINERY

| | |
|-----------------------|--|
| Main Engine | : 2 x CW 16V200ZC MCR1 760 kW |
| Main Diesel Generator | : 3 x CAT C32, 830 kW @ 1500 rpm, 400 V, 50 Hz. |
| Emergency Generator | : 1 x 200 kW @ 1500 rpm, 400 v, 50 Hz. Weichai CCF J200-WY |

PROPULSION

| | |
|------------------|--|
| Bow Thruster | : Electro Hydraulic, 4 bladed adjustable pitch propeller, 1500mm, 600 k, 8 ton thrust. |
| Azimuth Thruster | : 2 x 1600 kW |

CRANE

| | |
|-----------------|---|
| Main Crane | : 1 x 190 tons @ 9.5 m, 38 tons @ 40 m. Diesel Hydraulic with Auxiliary Hoist 10 ton @ 43 m |
| Auxiliary Crane | : 20 tons @ 20m, 10 tons @ 30 m Electro Hydraulic with Auxiliary Hoise 3 ton @ 33 m |

DECK EQUIPMENT

| | |
|----------------|---------------------------------------|
| Anchor Mooring | : 4 x Electro Hydraulic 250 kN, Brake |
| Winches | : 700 kN, static Holding force |
| Wire | : 50 m x 32mm |

HELIDECK

| | |
|------------------------|------------------------|
| Material | : Steel |
| Diameter (D) value (m) | : 22.2m, 12.6 Ton |
| Helicopter Type | : Sikorsky S92A / S61N |

ACCOMMODATION

Total Accommodation for 318 POB (Upgradable to 350 POB)
Fitted with Sprinkler System.

SAFETY & FIRE-FIGHTING

| | |
|--------------------------|--------------------------------|
| Lifeboat | : 2 x 150 men max. 82.5 kg/man |
| Rescue Craft | : 1 x 6 men |
| Life Raft (Davit) | : 6 x 25 men (EC Cert) |
| Fire Extinguisher System | : as per Class Requirement |

COMMUNICATION EQUIPMENT

VHF Radio (1), SART (4), Hand Held VHF (4), GMDSS (4),
Inmarsat-C with SSAS & LRIT (1)

NAVIGATION EQUIPMENT

Radar X- Band with ARPA (1) ECDIS (1), Gyro Compass (2),
Magnetic compass (1), Doppler speed Log (1)

360 DEG. VIEW FROM WHEELHOUSE