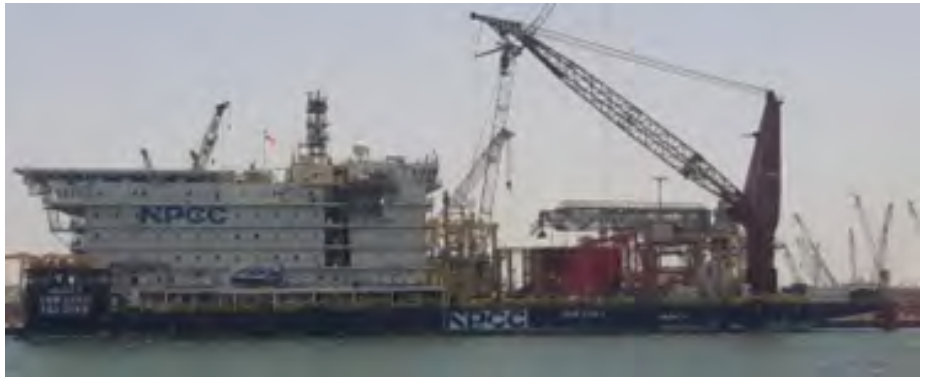
NMDC ENERGY

# UMM SHAIF

Date of Manufacturing
OCT 2009

## DP3/Conventionally Moored Offshore Support & Cable Laying Vessel




**Classification Society** ABS (Class Number 09196345; IMO Number 8771497)

**Class Notation** +A1, Accommodation Barge, +AMS-NP, +DPS-3

**Registration** United Arab Emirates (UAE)

### PRINCIPAL PERTICULARS

**Length Overall**
111.56m (129.86m including stern extension platform)

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|---|---|
| **Breadth** | 43.40 m |
| **Depth** | 31.7 m |
| **Summer Draft** | 4.23 m |

**Maximum Draft**
4.43m (6.53m including drop down thrusters when on DP mode)

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|---|---|
| **Light Weight** | 9,997.71 T |
| **NRT/GRT** | 3,862t / 12,874t |

**Deck Space**
1,615 m2 incl. aft extension platform (max deck strength is 10T/m2)

### DP SYSTEM & PROPULSION

**DP System**
Kongsberg SDP22 & SDP12 (DP3); total thruster power of 7,200kw

### CRANES

**Main Crane**
1 x 300t Pedestal Mounted Offshore Crane (Huisman Made) c/w 46m long boom. Main hoist rated 300t @ 11m radi (9 parts) with the auxiliary hoist rated 30t @ 9.2-53.6m radi.

### MOORING SYSTEM

**Winches & Ancillaries**
Locally/remotely operated 8 x 85t rated single drum electro-hydraulic driven mooring winches, Mentrade Model HMW-90T c/w tension sensors, wire length counter, 16 vertical sheaves, 8 fairleads and 1,400m long synthetic ropes. Brake capacity: 150t @ 1st layer.

### CABLE LAYING EQUIPMENT

**Carousel System c/w Ancillaries**
Electric driven chain-sprocket DNV type approved 5,000mt rated 25m outer dia carousel with adjustable innercore dia of 4, 8 or 14.4m and a basket effective height of 6.5m c/w loading tower with hydraulically operated loading arm, 5t rated tower tensioner and 12.5t deck tensioner (fully synchronized).

### MACHINERY

**Main Generator**
4 x 580kw Caterpillar 3412, 2 x 580kw Caterpillar C32 and 1x 1,800kw Caterpillar 3516.

| | |
|---|---|
| **Total Installed Power** | 5,280 kw |
| **Main Generator Engines** | 1 x 580kw Caterpillar 3412 |

### ACCOMMODATIONS & RECREATION FACILITIES

556 Persons Capacity extendable to 620 POB in 1,2 and 4-man cabins (all cabins equipped with private toilets). 2x recreation rooms, gym and cinema room.

### HELIDECK

18m diameter helideck, CAP-437 & AMC-71 Fully Compliant

### OPERATIONAL FUNCTIONS

Lifting, cable/umbilical lay, subsea works, flotel services and hook-up operations using 42.5 long Marine Aluminum Made deck mounted heave compensated gangway.