**Lewek Constellation**, the latest addition to our world-class fleet of pipelay and construction vessels, is designed to deliver complex projects in a safe, efficient and reliable manner in water depths exceeding 3,000 metres. **Lewek Constellation** is an ice class, DP3, multi-lay vessel with heavy lift capabilities. It has superior manoeuvrability and a high transit speed with a multi-lay system that can support both rigid and non-rigid pipelines. The vessel has a 3000mT heavy lift crane. Vessel delivery is scheduled for Q2 2013 and it will be ready for operation, after fitting the 3000mT crane and MLS, in Q2 2014.

**SPECIFICATIONS**

**LENGTH**
178.27 m

**BREADTH**
46.0 m

**DECK AREA**
4,200.0 m² without reels

**DP**
Dynpos Autro (DP3)

**ACCOMMODATION**
239 POB

**STORAGE**
Rigid: 4 x 1200mT Reels with Cradles
Flexible: 2 x 1250mT Below deck Carousels

**HELIDECK**
Suitable for Sikorsky S-92 and S-61N CAP 437

**CRANES**
1 x 3000 mT Huisman Offshore Mast Crane
10 80mT Deck Crane
7 x Knuckle Boom Cranes

**PIPE LAY CAPACITY**
Rigid: 4” - 16” OD
Flexible: 4” - 24” OD

**TOWER CAPACITY**
Tensioners: 800mT
Hang-off Clamp: 900mT
A&R: 1200mT
Lewek Constellation

GENERAL SPECIFICATIONS

www.emas.com
marketing@emas.com

*This vessel specification is given in good faith and assumed to be accurate at the time of print.
** Owners will not be liable for errors, omissions, or misprints published. Owners reserve the rights to amend this specification without notification.
### General Specifications

**Lewek Constellation**

- **Deck Area**: 4,200 m² (without reels)

**Cargo Deck**

- **Emergency Generator**: 1 x Caterpillar C32, 790 kW
- **Deck Strength**: 10.0 T/m²
- **Main Generators**: 2 x MAK 12M32C: 5,760 kW
- **Electrical Power Generator**
  - **Taut Wire**: 1 x LT MK 15 / 500
  - **Gyro Compass**: 3 x C.Plath Navigath x MK1
  - **Dynamic Positioning**
    - **Retractable Thrusters FWD**: 2 x Rolls Royce, 3,000 kW ea
    - **Stern Azimuth Thrusters Inboard**: 2 x Rolls Royce, 2,000 kW ea
    - **Bow Thrusters Tunnel**: 2 x Rolls Royce, 2,700 kW ea
    - **Bow Thruster Tunnel**: 1 x Rolls Royce, 1,420 kW ea
  - **Performance**
    - **Transit Speed**: 12.5 knots
  - **Maneuvering**
    - **Stem Azimuth Thrusters Outboard**: 2 x Rolls Royce, 6,000 kW ea
    - **Retractable Thrusters FWD**: 2 x Rolls Royce, 3,000 kW ea
    - **Bow Thrusters Tunnel**: 2 x Rolls Royce, 2,700 kW ea
    - **Bow Thruster Tunnel**: 1 x Rolls Royce, 1,420 kW ea
  - **Dynamic Positioning**
    - **DP System**: K-POS (Kongsberg Maritime)
  - **Electrical Power Generator**
    - **Main Generators**: 2 x MAK 12M32C: 5,760 kW
    - **Auxiliary Generators**: 6 x MAK 6M32C, 2,880 kW
  - **Deck Equipment**
    - **Deck Crane**: 1 x TYH - 1 x 80mT @ 15.0m
    - **Cable Hoist**: 1-fall 200mT, 1,000 m hook travel
  - **Rigging**
    - **Steel Wire Rope Storage Capacity**: 4,000m
  - **Rolls and Survey Equipment**
    - **Moonpools (enclosed by hangar)**: 2 x 5m x 5m
    - **Water Depth Rating**: 4,000m
  - **Deck Equipment**
    - **Hydrophone Trunks**: Sonardyne, Ranger 2, fusion 6G LBL
    - **HiPAP 500**

### Builder

- **Builder**: SOFEL, Vung Tau (Vietnam)
- **Year Built**: 2013
- **Flag**: Panama

### Tonnage

- **GRT**: 48,786 mT
- **NRT**: 14,636 mT

### Main particulars

- **Length Overall**: 178.27 m
- **Breadth Moulded**: 46.0 m
- **Depth Moulded**: 15.6 m
- **Draft (Max)**: 10.5 m

### BIS

- **Communications Equipment**
  - **Dual VSAT**: 2 x VSAT Ku band / C-Band
  - **Radar Reference**: 1 x Radius 1000D
  - **Acoustic Reference**: 1 x Sonardyne and 1 x Hipap 500
  - **Laser Reference**: 1 x CyScan
  - **DGPS**: 2 x Veripos, 1 x DGPS, GLONASS

### Accommodation

- **Cabins**: 239 Single Person Cabin
- **Personnel Elevator**: Owner/Client Offices and meeting rooms
- **Life Raft**: 12 x 20 persons
- **Life Boat**: 2 x 120 persons, NPT95F
- **Fast Rescue Boat**: 2 x 21 persons, MAKO 655
- **Helideck**
  - **Dimensions**: 27.5m x 27.5m (Sikorsky S-92/S-61N)
  - **Future J-Lay Option**

### Communications Equipment

- **Water Maker**: 1 x 60 T/day, AQUA-SEP Series 3

### Deck Equipment

- **Deck Crane**: 1 x TYH - 1 x 80mT @ 15.0m
- **Aux. Hoist**: 1,000mT at 50m radius, 330m hook travel
- **Whip Hoist**: 1-fall 80mT, 2,000 m hook travel
- **A & R System**: 2 x 600mT traction winches
- **Steel Wire Rope Storage Capacity**: 4,000m
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