

Seven Mar

7



The *Seven Mar* is one of the most advanced and versatile construction / flexlay vessels operating today.

Type:
Construction / Flexlay

Classification:
DNV, 1A1 HELDK E0
DYNPOS-AUTR DK(+)

- Length 145m x breadth 27m
- 340t top tension flexible lay system
- 2 x 1,600t below deck storage carousels
- Main crane 300t
- Heave compensated 400t subsea deployment winch
- 2 x workclass ROVs
- Accommodation for 121 persons

Seven Mar

General Description

| | |
|----------------|-------------------------------------|
| Type | Construction / Flexlay |
| Classification | DNV, 1A1 HELDK E0 DYNPOS-AUTR DK(+) |
| Flag | Isle of Man |
| Year Built | 2001 |

Principal Dimensions

| | |
|-----------------------|----------|
| Length Overall (m) | 144.6m |
| Breadth (m) | 27.03m |
| Depth Main Deck (m) | 13.2m |
| Operating Draft (m) | 8m |
| Gross Tonnage (t) | 14,502t |
| Transit Speed (knots) | 12 knots |
| Endurance (days) | 60 days |

DP System

| | |
|-------------------|------------------|
| DP Classification | 2 |
| Reference System | Dual DGPS, HiPAP |

Power and Propulsion

| | |
|---------------------|---|
| Main Engines | |
| Number | 4 |
| Type | MAN B&W 8L32/40 |
| Power (hp) | 4 x 2845kW |
| Generators | |
| Number | 1 |
| Type | Cummings 6CTA 8.3-D(M) |
| Power (kW) | 750kW |
| Thrusters | |
| Number | 5 |
| Type | 4 x azimuth, 1 x tunnel |
| Power (hp) | 2 x 45MW, 2 x 2000kW, 1 x 1320kW |
| Location | 2 azimuth at stern, 2 azimuth and tunnel at bow |

Main Deck

| | |
|-----------------------------------|---------------------|
| Clear Deck Area (m ²) | 1,660m ² |
|-----------------------------------|---------------------|

Capacities

| | |
|---------------------------------|--|
| Fuel Oil (m ³) | 2,500m ³ |
| Hydraulic Oil (m ³) | Main storage for TLS 12000L DTE 15m |
| Fresh Water (m ³) | 300m ³ |
| Ballast Water (m ³) | 3,500m ³ |

Accommodation

| | |
|--------------|-----|
| Berths (No.) | 121 |
| Cabins (No.) | 67 |

Helideck

| | |
|---------|---------------------|
| Type | Hydra Aluminium |
| D-value | 23m |
| SWL | 15t take off weight |

Cranes

| | |
|--------------------------------------|---|
| Main Crane Capacity (t) | Aux/man riding 15t, whip 30t, main 150/300t |
| Manufacturer | Kenz |
| Main Hoist Operating Water Depth (m) | Single fall effective wire length 761m |
| Main Hoist Operating Water Depth (m) | Double fall effective wire length 380.5m |
| Whip Hoist Operating Water Depth (m) | 2000m |
| Aux Hoist | Above water use |
| AHC | Whip hoist only |
| Location | Port side, main deck |
| Auxiliary Crane 1 Capacity (t) | 20t |
| Location | Starboard side, Aft |
| Auxiliary Crane Comments | Knuckle boom, above water use |
| Auxiliary Crane 2 Capacity (t) | 12t |
| Location | Top of TLS |
| Auxiliary Crane Comments | Knuckle boom, above water use |
| Auxiliary Crane 3 Capacity (t) | 15t @ 2.1m, 2.6t @ 14.5m |
| Location | Top of C deck aft |
| Auxiliary Crane Comments | Folding crane above water use |
| Auxiliary Crane 4 Capacity (t) | 14.5t @ 14.5m |
| Location | Main deck in board of work table |
| Auxiliary Crane Comments | Folding crane, above water use |
| A-Frame Capacity (t) | 60t |
| A-Frame Dimensions (m) | Passage height 13.95m, width inside 13.3m |
| A-Frame Comments | Arc: 80' inboard to 80' outboard |

Pipelaying System

| | |
|---|------------------------|
| Flexible Lay: | Tiltable Lay System |
| Max Tension (t) | 340t |
| Tensioners (No. and type) | 2 x Huisman BV 4 track |
| Tensioner Length (m) | 4.3m |
| Flex/Umbilical Storage Capacity (t) | 3,200t |
| Carousel (No.) | 2 |
| Carousel Diameter (m) | 16m |
| Carousel Capacity (t) | 2 x 1,600t |
| Operating Water Depth (m) | 3,000m |
| Abandonment and Recovery Winch Capacity (t) | 340t |
| Deployment Winch with Active Heave Compensation (t) | 400t |

ROV System

| | |
|----------------------------|----------|
| ROVs (No. and type) | 2 x ACVs |
| Operating Depth Rating (m) | 3,000 |