

Seven Mar

Construction/
Flex-lay

subsea 7



Seven Mar is a construction / flex-lay vessel.

- 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
- Accommodation for 121 persons
- 2 x work-class ROVs

General Information

Type	Construction / Flex-lay
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 (approx)
Endurance (days)	60 days

DP Systems

DP Classification	II
Reference System	Dual DGPS, HiPAP, Dual RADIUS, FANBEAM

Power and Propulsion

Main Engines	
Number	4
Type	MAN B&W 8L32/40
Power (hp)	4 x 3840kW
Generators	
Number	4
Type	Siemens / Hyundai HSR7 907 6CTA 8.3-D(M)
Power (kW)	3705kW
Thrusters	
Number	5
Type	4 x azimuth, 1 x tunnel
Power (hp)	2 x 4500MW, 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
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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

ROV System

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

Cranes

Main Crane Capacity (t)	Aux/man riding 15t, whip 30t, main 150/300t
Manufacturer	Kenz
AHC	Whip hoist only
Location	Port side, main deck
Auxiliary Crane 1 Capacity (t)	20t
Location	Starboard side, Aft
Auxiliary Crane 2 Capacity (t)	12t
Location	Top of TLS
Auxiliary Crane 3 Capacity (t)	15t
Location	Top of C deck aft
Auxiliary Crane 4 Capacity (t)	14.5t
Location	Main deck in board of work table
A-Frame Capacity (t)	60t

Pipelaying System

Flexible Lay:	Tiltable Lay System
Max Tension (t)	340t
Tensioners (No. and type)	2 x Huisman BV 4 track
Flex/Umbilical Storage Capacity (t)	3,200t
Carousel (No.)	2
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

