



VESSELS IRM and Light Construction

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



Seven Viking

Vessel Info

Full specification overleaf

Seven Viking is an IRM, Light Construction and Scale Treatment vessel.

- Length 106.5m x breadth moulded 24.5m
- Service speed 14.0 knots
- Accommodation 90 persons
- AHC offshore crane: 135t at 13m
- Air Diving
- 2x work-class ROVs
- 1x observation class ROV
- Module Handling System, capacity 70t modules
- Scale Squeeze System integrated in vessel
- All vessel systems designed for 5.0m Hs limitation

Fast Facts

- Hybrid power for reduced fuel and emissions
- Twist locks on deck and weld free seafastening on skidding track, that allows for weld free mobilisations
- Extensive experience in module handling with module handling system through moonpool, including installation/recovery of vertical and horizontal X-mas Trees, control modules, choke modules, subsea compressor modules, 79t desander module



Seven Viking

subsea 7

General Information

Classification	DNV with the following class notations: 1A1 Well stimulation vessel Clean(Design) COMF(C-3, V-3) DEICE DYNPOS(AUTR) EO HELDK(S, H, CAA-N,) Ice(C) LFL(*) NAUT(AW) SF
Built	Norway 2013
Flag State Authority	Norway

Principal Dimensions

Length Overall	106.5m
Breadth moulded	24.5m
Draught (operational)	6.5m
Draught (max)	8.0m
Freeboard at operational draught	5.0m
Freeboard at max draught	3.5m

Main Deck

Deck strength	10t/m²
Deck area	600m² with load bearing capacity of 10t/m² (aft of moon pool)

Tank Capacities (100%)

Fuel MDO	2,100m³
Fresh water (potable)	1,490m³
MEG / Brine	552m³
Special Products, LFL	440m³

Power and Propulsion

Generators	2x 4,320kW main diesel 2x 1,824kW main diesel 1x 448kW emergency generator
Propulsion Thrusters	3x 3 MW contra rotating azimuth 1x 1.4 MW retractable compass 1x 1.4 MW combi retractable 1x 1.7 MW tunnel SCR (NOx Catalyst) on exhaust

Vessel Speeds and Fuel Consumption

Maximum Speed	16.0 knots
Economic Speed	12.0 knots
Economic Speed Fuel Consumption	22.0m³/day

DP Systems

Kongsberg Maritime K-Pos DP-22	3x MRU's, 3x Gyro's, 3x Wind Sensors, 2x DGPS (Seatex DPS 132 and 232), 2x Seapath 330 2x HiPAP 500, 1x Radius 1x CyScan
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Cranes

Main AHC Offshore Crane	135t at 13m
Maximum reach	30m
Wire length	2,000m
AHC whip line	13.5t at 6-30m
Whip line wire length	1,000m
Operational limit	5.0m Hs Man riding

Auxiliary telescopic cranes

Crane for provision	2t at 15.2m
Cranes in MHS hangar	PS 1x 2.86t at 9.3 m SB 1x 1t at 9.1m
Crane on pallet	1x 1.1t at 11m
Crane in ROV hangar	1x 0.5t at 4.5m

Module System

Winches	1x 70t (possible to upgrade), 1x 20t, 3x 5t
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MHS fully integrated in hangar with cursor system for controlled launch and recovery of modules to 2,000msw in conditions up to 5m Hs. Capacity to handle modules up to 70t and 10m height Skidding system with storage capacity of up to 8 skidding pallets, including 4 indoor storage positions. Integrated AHC winch with dedicated HPU for 12 lines hydraulic downline.

Weld-free seafastening

Twist locks are integrated in part of the working deck for quicker mobilisation/demobilisation of standard containers. Weld free seafastening system on 6x Skidding pallets

ROV Systems

All ROV systems in enclosed ROV hangar. 2x work-class ROVs (Schilling HD), rated to 3,000 msw, launched over side by A-frames. AHC Umbilical winch, 2,500m umbilical. 1x observation ROV (SubAtlantic Mohican), rated to 2,000 msw, launched by A-frame. AHC Umbilical winch, 1,800m umbilical. Operational limit 5.0m Hs for all systems.

Helideck

Mid Ship Helideck	SuperPuma, Sikorsky S-92, D value 20.9m
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Scale Treatment / RFO

Scale treatment pumping spread and special product tanks integrated in vessel. Pumping capacity 30-2,800 l/min at 0-345 bar. Pre heating to 90°. Mixing units for small volumes of additives.

Operation control

Joint operation control room for Shift Supervisor, MHS control, ROV control, Scale Treatment control, third party control and survey with direct view to MHS.

Accommodation

Personnel	90
Cabins (No.)	64 single, 13 semi-single cabins



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The Subsea7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.

