



VESSELS
IRM & Light
Construction

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



i-Tech⁷

Seven Viking

Vessel Info

Full specification overleaf

Seven Viking is an IRM, Light Construction, Scale Treatment and Diving Support services 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

General Information

Classification **DNVGL with the following class notations: 1A1 Well stimulation vessel Clean(Design) COMF(C-3, V-3) DEICE DYNPOS(AUTR) EO HELDK(CAA-N, H, S) Ice(C) LFL(2) NAUT(AW) SF, Battery (power) class notation Norway 2013 Norway**

Built
Flag State Authority
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

Service Speed **14.0 knots**
 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**

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

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**

Cranes

Main AHC Offshore Crane
Maximum reach **135t at 13m
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 9.3m
SB 1x 1t at 9.1m
1x 1.1t at 11m
1x 0.5t at 4.5m**

Crane on pallet
Crane in ROV hangar

Module System

Winches **1x 70t (possible to upgrade),
1x 20t, 3x 5t**

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.

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**

Accommodation

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

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.



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Our Differentiators



Culture



Creativity



Relationships



Reliability



Solutions

The Subsea 7 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.