The C/S Nexans Skagerrak is purpose built to install and repair subsea high voltage cable systems. Her unique payload capacity, shallow draft and bespoke equipment makes her an ideal platform for transport, installation and protection of cables, umbilicals and flowlines.

**Principle dimensions and capacities**

Length OA incl. laying wheel: 118.25 m  
Breadth moulded: 32.15 m  
Depth moulded: 8.00 m  
Draught at 9373 t: 5.40 m  
incl. stern thrusters: 6.25 m  
Deadweight: 9373 t  
Ballast capacity: 5948 t  
GT: 8460  
NT: 2539  
Vessel speed: 10 kts  
Class: DNV 1A1 Cable Laying Vessel E0 DYNPOS-AUTR SF SILENT E  
IMO No.: 7619458  
Call Sign: LCEK  
Flag: Norwegian (NOR)

**Accommodation**

Cabins: 60 single  
Dayrooms: 2 off  
Project offices/meeting rooms: 2 off

**Dynamic Position system**

NMD/IMO class: 2  
Type: Kongsberg SDP-521  
Reference systems: 1 x DGPS  
1 x LRTK  
1 x HIPAP 500  
Fanbeam  
3 x Nav Gyros MRU5, MRU2

**Storage capacities**

Deck area: Approx. 2400 m²  
Deck loading capacity: 10 t/m²  
Main turntable: 7000 t

**Lifting appliances and winches**

A-frame: 40 t SWL  
Main crane forward: 20 t SWL  
Aft deck crane: 2 x 5 t SWL Manriding  
Mid ship port crane: 1 x 5 t SWL Manriding  
Port fwd deck: 1 x 2.5 t SWL  
A & R winches: 2 x 30 t SWL  
Cable handling winch: 1 x 10 t SWL  
Cherry pickers: 2 x Stern Manriding

**Power and propulsion**

Power generation: 4 x 400 kW  
1 x 70 kW  
Stern thrusters: 2 x 1943 kW (2640 HP) direct driven  
Azimuth unit: 1 x 1000 kW (1360 HP) electric  
Bow thrusters: 1 x 1840 kW (2500 HP)  
Retractable azimuth unit  
2 x 1 x 957 kW (1300 HP) tunnel unit

**Cable laying**

Main turntable: Outer diameter: 29 m  
Inner diameter: 12 m  
Load capacity: 7000 t  
Cable capstan system: Cable capstan with linear engine.  
Total pull/braking capacity: 50 t  
Maximum laying speed: 50 m/min  
Laying wheel/chute: 1 x 10 m diameter stern wheel and chute  
Laying instrumentation: Computer based laying control system fully integrated with onboard navigation and survey systems.

**Survey**

Survey: Full survey suite for subsea navigation and mapping  
Positioning: 3 x LRTK from two independent sources  
Heading / Attitude: Seapath 330 GNSS heading and motion system, MRU5, 2 x Nav gyros  
Subsea positioning: HIPAP 500 (shared with DP), possibility to mount SPRINT INS

**ROV**

ROV System: Merlin WR200 Electrical Work Class  
TMS: Tekmar top hat system with 300 m tether  
Handling System: SEPRO LARS with 2000 m lifting umbilical  
Optional: Second WROV, OBS ROV or Captrack system

**Trenching**

Trenching units: Nexans Capjet trenching/dredging units  
Handling System: SEPRO LARS with AHC winch

**Cable jointing/repair**

Jointing area: A 3 x 15 m, enclosed area is purpose designed for performance of high voltage cable jointing.  
Cable Jointing eq.: All required equipment for jointing can be accommodated with ready connections to ship utilities.  
Cable handling eq.: Main equipment for cable handling during a jointing/repair is permanently stored onboard.

**Near shore cable handling/pull-in**

Work boats: Minimum 6 carried  
Inflatable Cable floats: Minimum 200 carried