
C/S "NEXANS SKAGERRAK"



 **Nexans**

Installation Services Section



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

Principle dimensions and capacities

Length oa including laying wheels : 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
 Classification :
 DNV*1A1 Cable Laying Vessel E0 DYNPOS-AUTR SF
 IMO No. : 7619458 / Call Sign : LCEK

Flag : Norwegian (NOR)

Accommodation

Single cabins 60

Dynamic Positioning system

NMD/IMO class 2
 Type Kongsberg SDP-521
 Reference systems 1 x DPS 700
 1 x HIPAP 500
 1 x Fanbeam

Storage capacities

Deck area Approx. 2400 m² (inc. Capjet deck)
 Deck 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 (20m)
 Mid ship port crane 1 x 5 t SWL (25m)
 A & R winches 2 x 30 t SWL linear winches
 Stern cherry pickers 2 x hydraulic manriding cherry pickers for use during deployment of cable floats.

Power and propulsion

Power generation 4 x 400 kVA
 1 X 600 kVA
 Stern thrusters 2 x 1943 kW (2640 HP) azimuth units
 1 X 1000 kW (1360 HP) azimuth unit
 Bow thrusters 1 x 1820 kW (2475 HP) retractable azimuth unit
 1 x 957 kW (1300 HP) tunnel unit

Cable laying equipment

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
 1 x 10 m diameter stern wheel
 1 x 5 m diameter stern wheel
 Laying wheels Complete guiding of cable from turntable to laying wheel.
 Guiding minimum radius : 5 m.
 Cable guiding Computer based laying control system with the following input sensors:
 2 x lay speed/length sensors
 1 x lay wheel load sensor
 1 x cable top angle sensor
 1 x high accuracy echo sounder
 Plus depth and position of ROV during touch down monitoring.

ROV Trenching (Option)

ARGUS Mariner XL
 The vessel can carry Nexans Capjet trencher and Nexans Spider dredger units for burial operations.

Cable repair equipment

Splice area A 3 x 15 meter, enclosed area is purpose designed for performance of High Voltage cable repair.
 Cable splice eq. All required equipment for splicing can be accommodated with ready connections to ship utilities
 Cable handling eq. Main equipment for cable handling during a repair is permanently stored onboard.

Other

The vessel can be fitted with further equipment from our cable handling tool pool. Thus the vessel can perform :

- Cable repair including subsea cutting and retrieval of damage sections.
- Simultaneous laying of two cables with controlled separation.
- Piggyback laying

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