

# CLV NEXANS SKAGERRAK

ELECTRIFY THE FUTURE



The Vessel is the world's first purpose designed cable lay vessel for subsea high voltage cable systems in the world. Continuously kept updated and modified to meet the market demands, she maintains the reputation and unsurpassed track record as one of the leading vessels of its kind.

She is designed for worldwide operations in challenging weather conditions, and with high payload and a bespoke integrated cable handling system to ensure a safe and efficient transport and installation of large volumes of HVDC and HVAC subsea cable systems.

## PRINCIPLE DIMENSIONS AND CAPACITIES

LENGTH OA INCL. LAYING WHEEL :	118.5 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 :	9351 t
BALLAST CAPACITY :	5952 t
GT :	10147
NT :	3045
VESSEL SPEED :	10 kts
CLASSIFICATION :	DNV 1A1 Cable Laying Vessel dk+ E0 DYNPOS-AUTR SF SILENT(E)
IMO NO. :	7619458
CALL SIGN :	LCEK
FLAG :	NORWAY (NIS)

## ACCOMMODATIONS

CABINS :	60
DAYROOMS:	2
PROJECT OFFICES/MEETING ROOMS:	3

## DYNAMIC POSITION SYSTEM

NMD/IMO CLASS :	2
TYPE :	Kongsberg SDP-521
REFERENCE SYSTEMS :	1 x GNSS Seatex DPS 432 1 x Seapath 330 LRTK 1 x HIPAP 502 1 x Fanbeam 3 x Nav Gyros MRU5 MRU2

## STORAGE CAPABILITIES

DECK AREA :	Approx 2400m <sup>2</sup>
DECK LOADING CAPACITY :	10t/m <sup>2</sup>
MAIN TURNTABLE :	7000t

## LIFTING APPLIANCES AND WINCHES

A-FRAME :	40t SWL
MAIN CRANE FORWARD	20t SWL
AFT DECK CRANE	2 x 5t SWL Manriding
MID SHIP PORT CRANE :	1 x 5t SWL Manriding
PORT FWD DECK:A & R WINCHES	1 x 2,5 t SWL
CABLE HANDLING WINCH:	2 x 30t SWL 1 x 10t SWL
CHERRY PICKERS :	2 x Manriding (stern)

## POWER AND PROPULSION

POWER GENERATION :	4 x 545 kW 1 x 70 kW
STERN THRUSTERS :	2 x 1940 kW CPP Azimuth units 1 x 1500 kW CPP Azimuth unit
BOW THRUSTERS :	1 x 1820 kW CPP Retractable azimuth unit 1 x 1270 kW CPP tunnel unit
SHORE POWER:	1 x 440 V shore power connection

## 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
LAYING WHEEL/CHUTE :	Maximum laying speed : 50 m/min 1x10m 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, MRU5, 3 x Nav gyros
HEADING / ATTITUDE:	Seapath 330 GNSS heading and motion system,
SUBSEA POSITIONING:	HIPAP 502 (shared with DP), possibility to mount SPRINT INS

## ROV

ROV SYSTEM:	Merlin WR200 Electrical Work Class
TMS :	Tekmar top hat system with 300m tether
HANDLING SYSTEM:	SEPRO LARS with 2000m 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