



Construction process of the new Swedish 50 m regional class RV "Skagerak"

Michael Klages

Sven Lovén Centre for marine infrastructure (Lovén Centre)



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The largest research vessel operated by the Lovén Centre is the 39 m long “Skagerak” build in 1968









UNIVERSITY OF GOTHENBURG

The next steps

- Out-sourcing the operation of the new vessel is under preparation
- Employment of a Scientific Coordinator at SLC
- Installation of a Web-Portal for on-line application (research vessel, ROV and AUV)
- Investigating the opportunity of GU to apply for membership in OFEG/ EUROFLEETS 2





MAIN PARTICULARS:

L _{OA}	Length over all	45.50 m
L _{PP}	Length betw. Perpendiculars	40.22 m
B _M	Breadth, moulded	11.00 m
D _M	Depth, moulded	6.00 m
T _{DWL}	Draught	3.80 m
GT	Gross Tonnage	
DWT	Deadweight Capacity	abt. 1000 t
ICE	Ice Class Finish /Swedish	F/SICE 1B
V _S	Service Speed	12.00 kts
	Endurance	14 Days
	Range	2 000 NM

PROPULSION SYSTEM:

Diesel-Electric	690 VAC/50 Hz
Gen. Sets.	abt. 4x420 kWe
Propulsion Motor	1x 1 200 kWe
Propeller with Nozzle	1xCPP Ø2.40 m
Bow Thruster, Ultra Silent,	abt 4.5 T 290 kW

COMPLEMENT:

Crew, Single Cabins	5 Pers
Special Personnel, Double Cabins	16 Pers

Open Deck, Working Deck Aft	abt. 140 m ²
Hangar	abt. 30m ²
ROV/CTD Control Room	
Main Laboratory	abt. 28 m ²
Dry Laboratory	abt. 14 m ²
Atmospheric Laboratory	abt. 12 m ²
Uncontaminated Seawater Laboratory	

LAUNCHING AND RETRIEVAL SYSTEMS:

A-Frame, reach 7m, ±60°	SWL	8.0 T@7m
Working Deck Crane,	Static	SWL 4.0 T@6m
	Dynamic	SWL 2.0 T@4m
Utility Crane,	Static	SWL 1.5 T@5m
LARS in Hangar,	Dynamic	SWL 3.0 T@3m
General Purpose Winch x2,		2 000m x 16mm 8.0 T
Oceanographic Winch x1,		2 000m x 12mm 4.0 T
Hydrographic Winch x1,	1 000m x 6mm	2.0 T
CTD/ROV Winch x1,	4 000m x 8.3mm	4.0 T
CTD/ROV Spooling Drive + Drum		

HYDRO-ACOUSTIC SENSORS:

Multi-Beam Echo Sounder (Kongsberg EM 2040)
 Sub-Bottom Profiler (Kongsberg TOPAS 40)
 Acoustic Doppler Current Profiler, ADCP
 Hydro-acoustic Underwater Positioning System (HiPAP)



MAIN PARTICULARS:

L _{OA}	Length over all	49.50 m
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The new "Skagerak" in December 2016 before launching





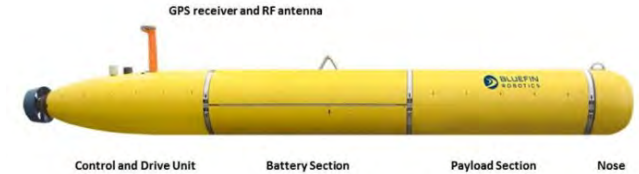
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A National Core Facility for Marine Research

MUST – Mobile Underwater System Tools

Application to the Knut and Alice
Wallenberg Foundation



AUV surveys with various sensor systems: Multibeam sonar, Laser Scanner, Digital photography

