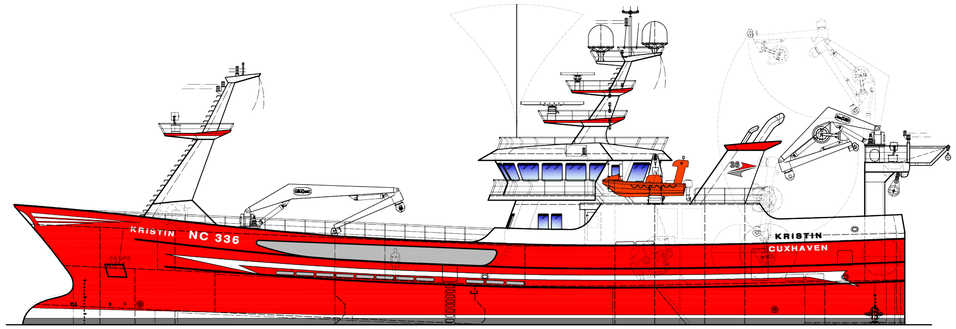
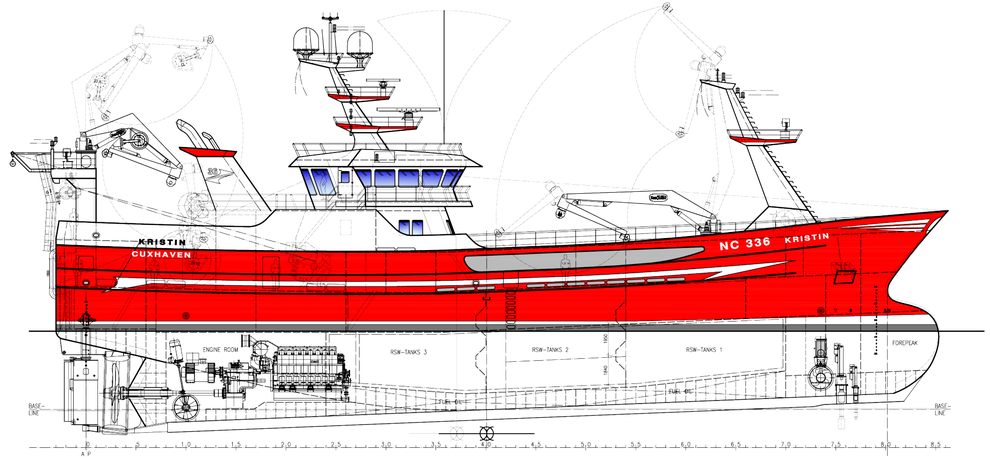
KRISTIN

RESEARCH EQUIPPED VESSEL

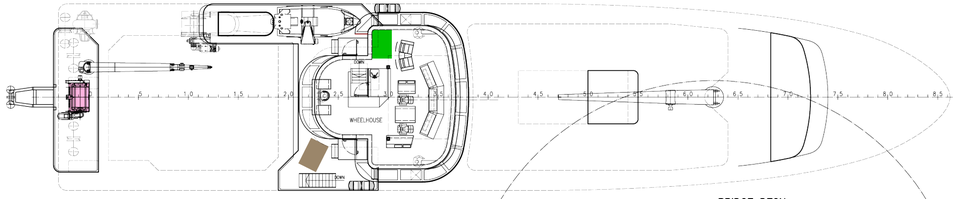
GENERAL ARRANGEMENT



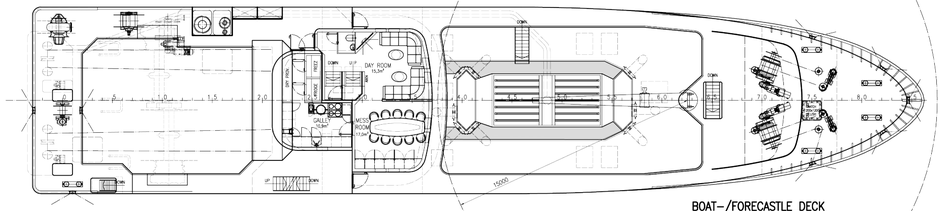
PS PROFILE



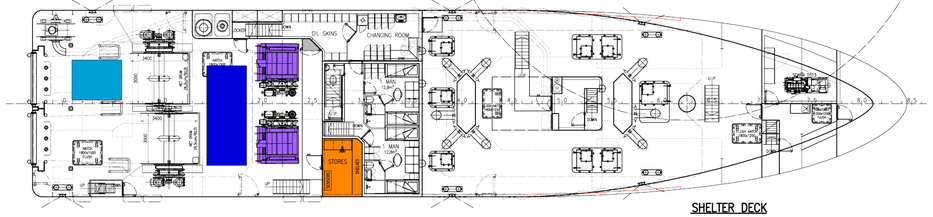
SB PROFILE



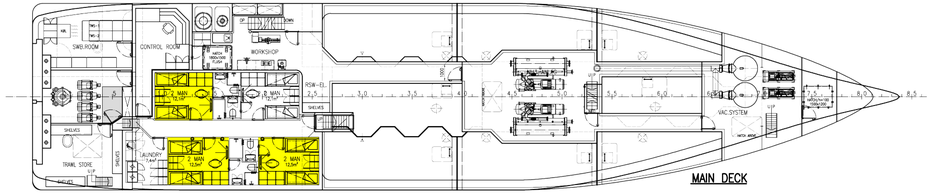
BRIDGE DECK



BOAT-/FORECASTLE DECK



SHELTER DECK



MAIN DECK

SCIENTIST AREAS AND EQUIPMENT

- Area for 20ft container
- Area for 10ft container
- Cabins 3x2 persons
- Deck labratory
- Desktop workplace
- Trawl winches 2x1200m 36mm dynema
- CTD winch 800m cable
- A frame winch 2400m 10mm dynex data cable

SPECIFICATIONS

MAIN DIMENSIONS	
Length overall:	53,55 m
Length between pp:	48,10 m
Breadth moulded:	11,20 m
Depth main deck:	4,75 m
Depth shelter deck:	7.15 m
Tonnage est:	875 GT

CLASS:	DNV-GL +1A Ice-C E0
MAIN ENGINE:	2.200 kW
PROPELLER PLANT:	d3.800 mm
AUXILIARY ENGINES:	Scania DI14 2 x 400 kW
THRUSTERS:	Brunvoll 2 x 400 kW
SPEED:	Est. 14 knots
ACCOMMODATION:	12 pers.
FUEL OIL:	170 m3
MAXIMUM TIME AT SEA:	3 weeks

DECK EQUIPMENT	
Winch equipment:	Rapp 2 x 1200m 36mm dynema
Cranes:	2 x SeaQuest SWL 4t
CTD Winch	Cormac Q3 Winch Incl. Option No. 3: Cormac remote control box, Incl. speed/meter counter and Flasher Serial number: 2017-0254 A320327 Cable Ø8,18mm /02 Acc. To 2000561c. 800 M Slip Ring: 180-02 Slip Ring W/Subconn

DESIGN:	KARSTENSENS SKIBSVÆRFT A/S
OWNERS:	Kristin Fischereigesellschaft
HOMEPORT:	Cuxhaven / Donsö
BUILDING YEAR:	2020

EQUIPMENT

NAVIGATION
Furuno Smart Bridge 3 x 55” Olorin and 11 x Hatteland
Radar 1: Furuno FAR-2218-BB/AC
Radar 2 :Furuno FAR-2218-BB/AC
GPS: Furuno GP-170
GPS kompass: Furuno SC-70
Gyro: Simrad GC80
AIS Furuno FA-170
Plotter: Olex OX2DD
Plotter: Sodena Turbowin Pro
Plotter: 2 x Time Zero TZ PROFESSIONAL
Autopilot: Simrad AP-80 cu
Ecdis: 2 x Furuno FMD-3200BB
Vindsensor: DEIF WSS 750
Watertemp. Sensor: Furuno

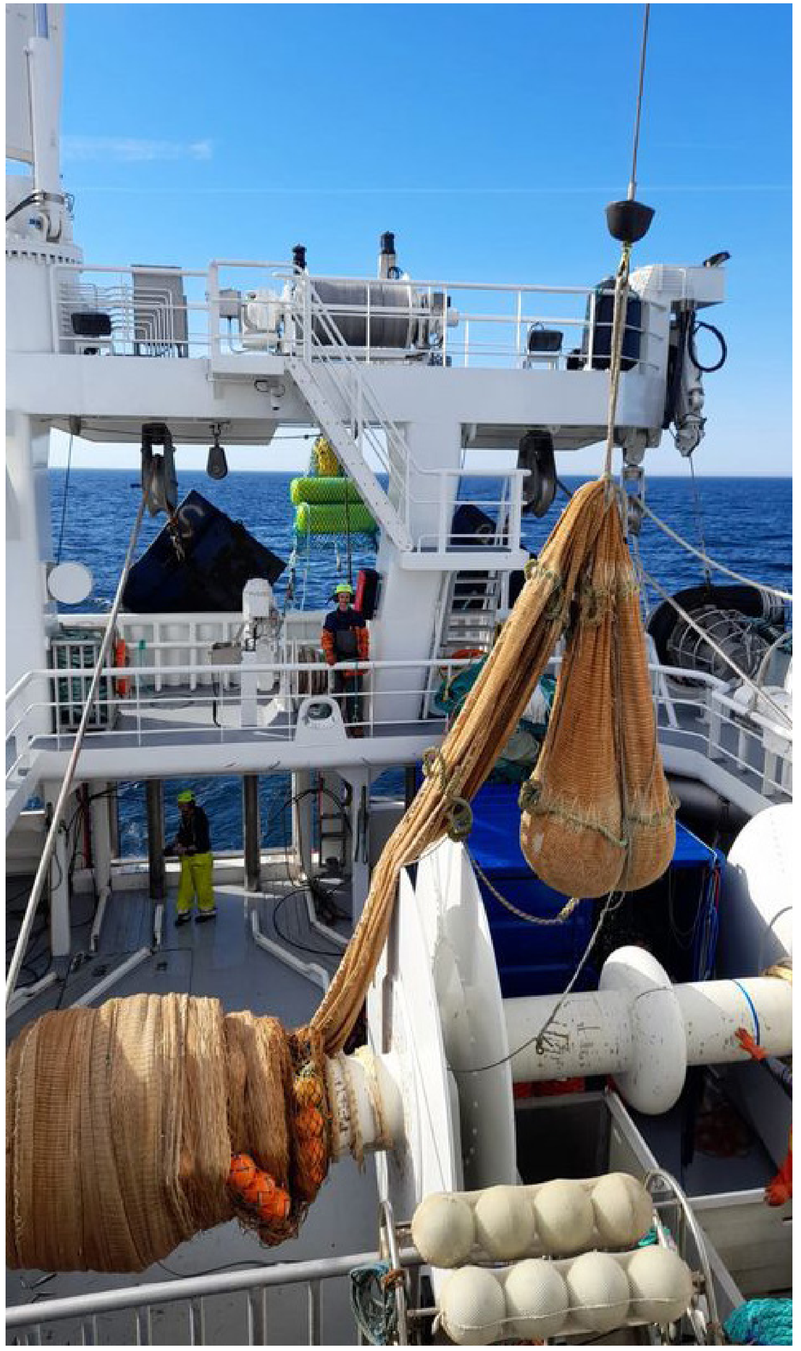
SCIENTIFIC EQUIPMENT
4 x Simrad transducer installed:
38 khz 38–7 7x7 split beam,
70 khz 70-7c 7x7 split beam
120 khz 120 7c 7x7 split beam
200 khz 200-7c 7x7 split beam

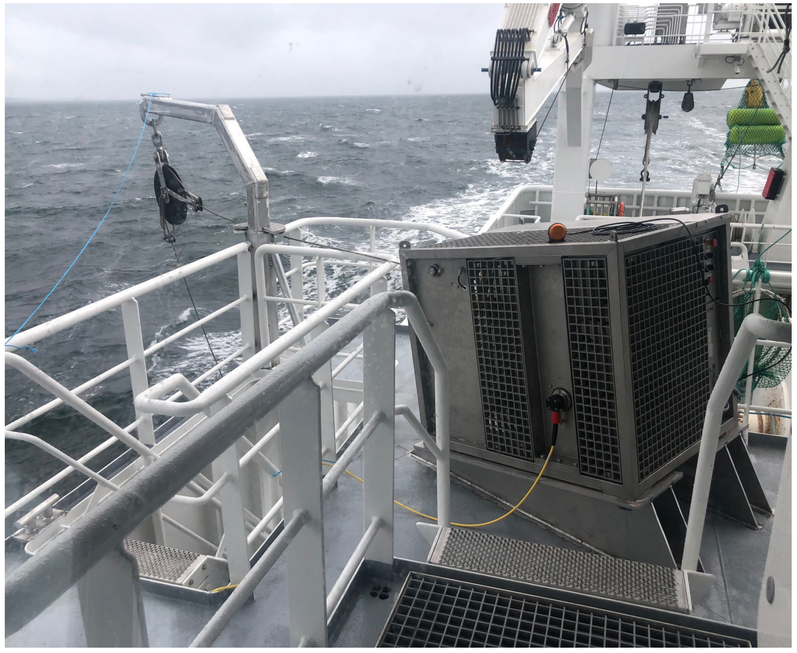
SCIENTIST AREA
Deck labratory is supplied with freshwater, seawater, electricity 400 V, 220 V 50 Hz and mobile cable routing to the bridge. Extra containers on deck can be supplied with the same capabilities as the deck labratory.

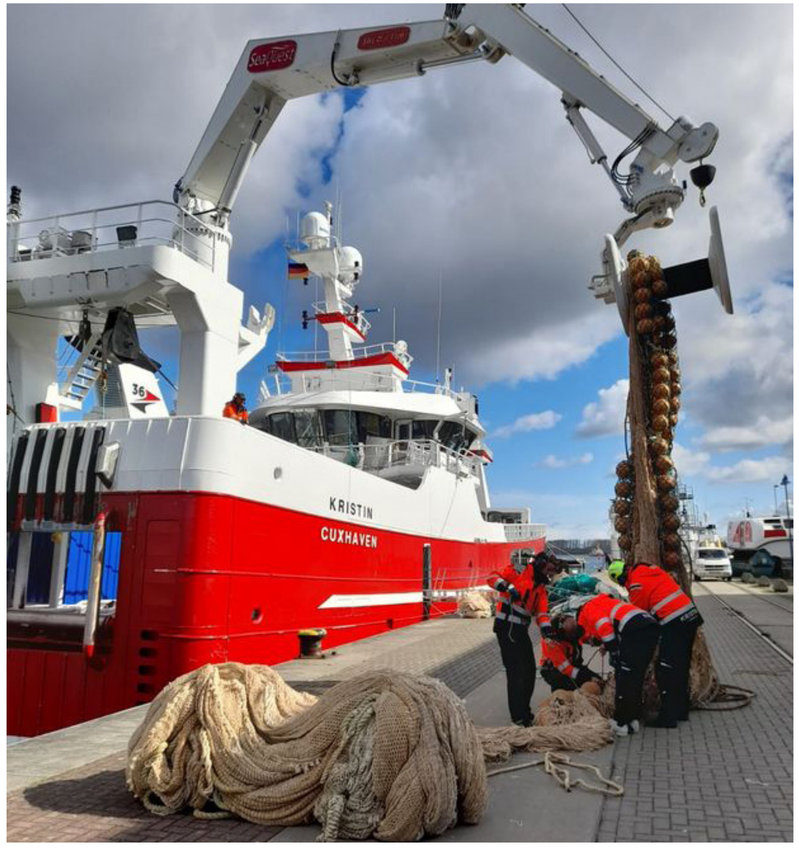
RADIO EQUIPMENT
GMDSS A3 (current A2, all eq. for A3 installed)
2 x Lars Thrane LT-3100 Iridium sat. Telephone
MF/HF SAILOR 6310 MF
VHF 2 x Sailor 6222
VHF sailor 6210
3 x ICOM VHF

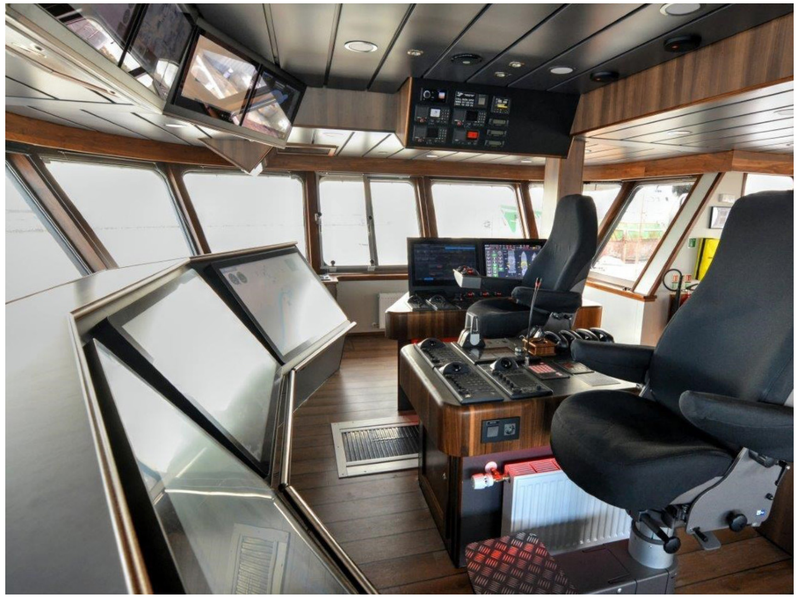
FISHING ELECTRONICS
Sonar 1: Furuno FSV-25SBB/10KM
Sonar 2: Furuno FSV-85B
Trawlsonar: Simrad FS 70
Catch control: Scanmar, Wireless sensors
Navigational sounder: Furuno FE-800
Multi Wideband sounder: WASSP WMB6340F3XLi-80-20
Echosounder 1: Simrad ES 80 120khz
Echo sounder 2: Time Zero DFF1-UHD

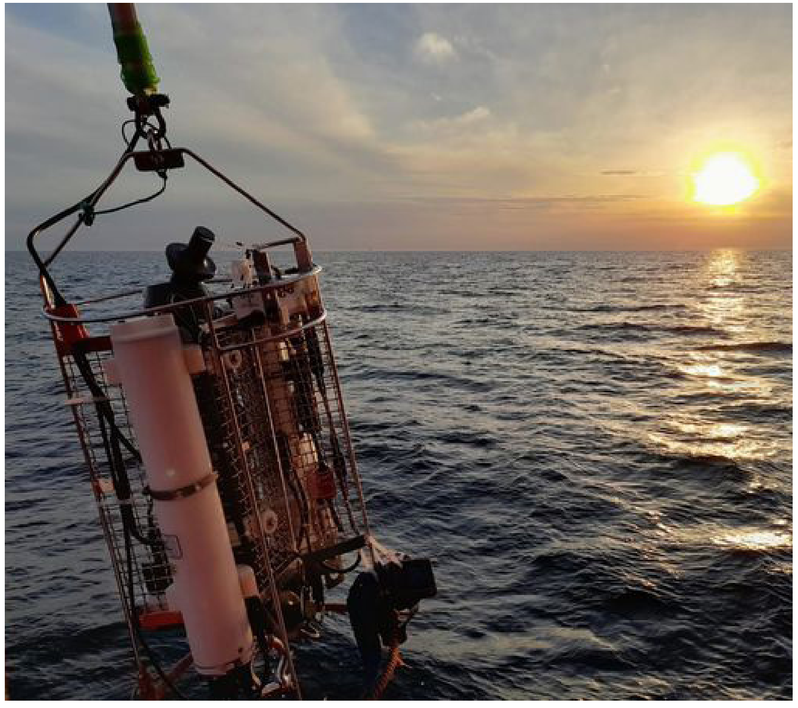
COMMUNICATION EQUIPMENT
Satellite TV
CCTV 14 cameras
VSAT Broadband
Current capacity: 4/1 Mbps (1:10 contention)
Maximum capacity: 35/6 Mbps






KRISTIN
CUXHAVEN





THÜNEN

Institut für Ostseefischerei

Dr. Christopher Zimmermann
Institutsleiter

Alter Hafen Süd 2
18069 Rostock

Fon 0381 66099-101
Fax 0381 66099-199

christopher.zimmermann@thuenen.de
www.thuenen.de

To whom it may concern

The Thünen Institute of Baltic Sea Fisheries has chartered the fishing vessel “Kristin 336” from the 7th to 28th of May 2021 (21 days) to conduct the German contribution of the Baltic International Spring Survey (BASS). BASS is internationally coordinated by the International Council for the Exploration of the Sea (ICES). During the cruise a scientific team of four persons was onboard and the following tasks were conducted in cooperation with the vessel’s crew:

- Hydroacoustic measurements with the vessel’s built-in SIMRAD EK80 echosounder (18, 38, 120 and 200 kHz) in wide and narrow-band including calibration of each of the transducers
- Acoustic sampling along predefined transects for the assessment of small pelagics
- Fishing with a pelagic research trawl (“PSN205”) according to hydroacoustic indications after consultation with the scientific cruise leader; processing of the catches following scientific procedure
- Hydrographic measurements with an online CTD probe, using a mounted single wire conductor winch
- Fishing with a multisampler to sample different depth strata
- Collecting plankton samples with a bongo plankton net and a plankton-multinet

Post-processing and analysis of the acoustic and ichthyological sampling revealed no constraints for scientific use of the data compared to data recorded during cruises on our standard research vessel.
It was a pleasure to work with the crew of “Kristin 336” and we thank all members for their outstanding cooperation and commitment.

Dr. Christopher Zimmermann
Director

Dr. Stefanie Haase
Scientific cruise leader

CONTACT

EVY AQUATIC RESEARCH
Org. nr 559314-5492

Örjan Karlsson
Donsö hamnväg 16B
430 82 Donsö

orjan@kristinefiskeri.se
+46 701 91 39 22