NORTHERN KAROLINE

- *Geophysical seabed mapping*
- *Geotechnical sampling*
- *ROV Operations*
- *Environmental assignments*

Northern Survey

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NORTHERN KAROLINE

GENERAL INFORMATION

TYPE OF VESSEL	DP Survey & ROV Vessel
Classification	DNV ✠ 1A1 ICE-C EO
Flag state authority	Denmark
Call sign	OZIP2
Port of Registry	Aarhus, Denmark

BUILDER & DIMENSIONS

Built	A. & J. Inglis Ltd. Scotland UK
Year built	1950, Rebuilt 1984 & 2020
Gross tonnage	588 tons
Net tonnage	176 tons
LOA	51.15 m
Breadth	9.00 m
Draft	4.90 m
Reqired water depth with FWD Azimuth	5.25 m
Service Speed	10,0 knots
Maximim Speed	15,5 knots
	Bollard pull: 20 tons
Tank Capacity	Fuel Oil: 87,6 m^3
	Fresh water: 40.3 m^3

MACHINERY & PROPULSION

Main Engines	Deutz S / BV6M628 1600BHP
	Caterpillar 3412 650BHP Forward
Bow Thruster	1x Retractable Azimuth Brunvoll AR55 650BHP
	The thruster is also approved as propulsion machnery
Stern thruster	????

POWER SUPPLY:

Diesel generators:	2x Caterpillar 3306 w/Stamford MSC-434 each 180 KWA, 3 x 230 V 50 Hz
	1 x John Deere 6068TF258 120 KW with 112 KW/135 KWA, 3 x 230V 50Hz

DECK EQUIPMENT

Deck Cranes:	AMCO VEBA 946FM-4S
	SWL 9,180 kg @4.55 m 4.55m
	SWL 3,220 kg @12,00 m,
	Rotzler winch ti-tan TC5, 1st layer 5.7 tons/top layer 4.3 tons
	Heila HLM10-3S Marine Crane
	SWL 3,600 kg @2.75 meters,
	SWL 800 kg @10.4 meters
	Hiab Sea Crane 61
	SWL 780 kg
	A-Frame aft 3.8m width, 4m height, SWL 2tons

NAVIGATION and COMMUNICATION EQUIPMENT

NAVIGATION EQUIPMENT

1x 3 cm JRC JMA-5310 ARPA radar
1x 3 cm Furuno FR 2110 ARPA radar
2x DGPS Furuno GP-36/GPS, GP-30
2x Transas NaviSailor 4000 dual ECDIS
1x satellite Gyro Compass SC-50 1 x Simrad GC 80
1x autopilot type Simrad AP 70
1x autopilot type Simrad AP 70
1x Speed log simrad SAL

COMMUNICATION EQUIPMENT

1x Sailor RT-4822 VHF DSC Class A
1x Sailor 6310 MF/HF SSB Radio Telephone, DSC CH1
1x Sailor SE-406-II EPIRB Manuel
1 x Sailor SE-406-II EPIRB Auto (Float free)
1 x Sailor AIS-SART 5051
2 x Sailor SP 3520 Portable VHF Radio 1-Radio 2
1 x Sirius SIR-3 Navtex
1 x Furuno GP-37 GPS
1 x JOTRON TR-8000 AIS Class A
1 x Sailor 6210/3027SS LRIT and SSAS
1 x Sailor RT 2018 VHF
1 x Sailor RT 2027 VHF
4 x Sailor SP 3510 VHF work/ISPS

ACCOMMODATION:

Surveyors' office
Capacity for up to 12 surveyors
6x double berth cabins for surveyors

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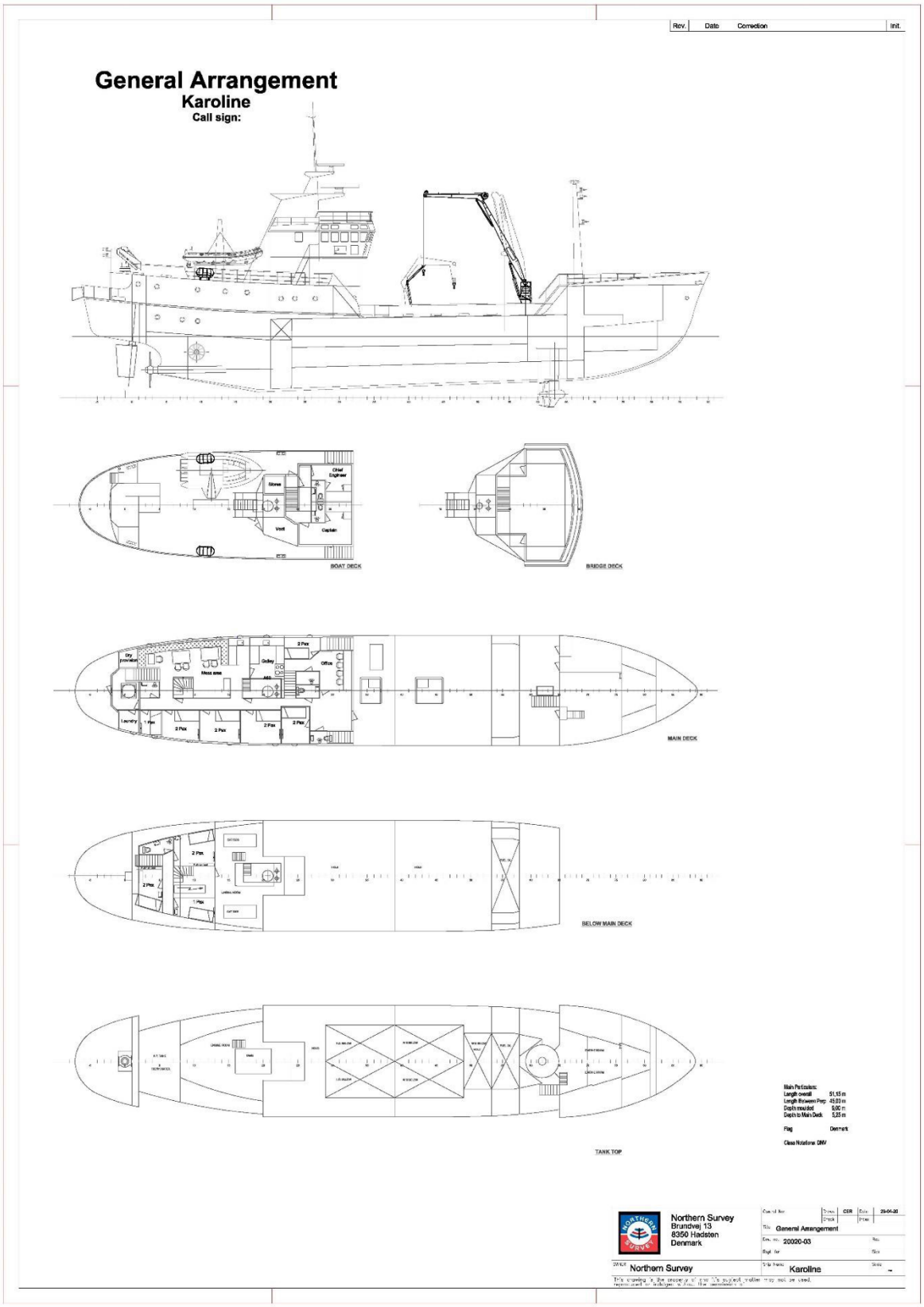

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