



# ILE DE CLASSE VESSELS

## ASN C/S ILE DE BATZ

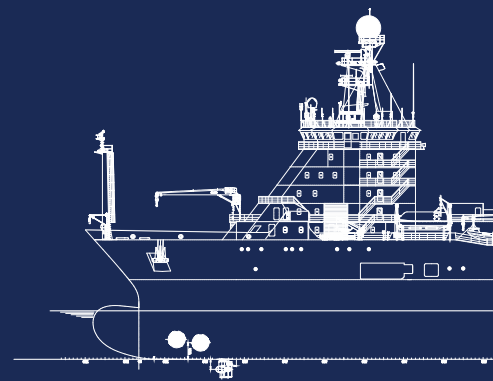
## ASN C/S ILE DE BREHAT

## ASN C/S ILE DE SEIN

### CABLE LAYING VESSEL

### VESSEL SPECIFICATIONS

The ASN “installation class” vessels are the 3 three mighty sisters, Ile de Batz, Ile de Brehat and the Ile de Sein. Built and design for the express purpose of installing submarine cable, they are the flagships of the ASN fleet since coming out of the Hyundai yard in Korea in the early millennium. These vessels cover the bulk of all transoceanic and heavy plough operations for ASN.



**ALCATEL  
SUBMARINE  
NETWORKS**

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### Vessels Description

- TYPE ..... Cable laying vessels
- CLASSIFICATION ..... DEEP SEA AUT-F-PDYMATAR-PTR
- FLAG ..... French
- POR ..... Marseille
- REGISTERED NUMBER ..... ASN C/S Ile de Batz : RI 924 330G  
ASN C/S Ile de Brehat : RI 924 331H  
ASN C/S Ile de Sein : RI 924 332J
- IMO NUMBER ..... ASN C/S Ile de Batz : 924 7041  
ASN C/S Ile de Brehat : 924 7053  
ASN C/S Ile de Sein : 924 7039
- VESSEL BUILT ..... HMD Hyundai Mipo Dockyard Ulsan South Korea  
2001
- DYNAMIC POSITIONING ..... DP11

### Main Dimensions

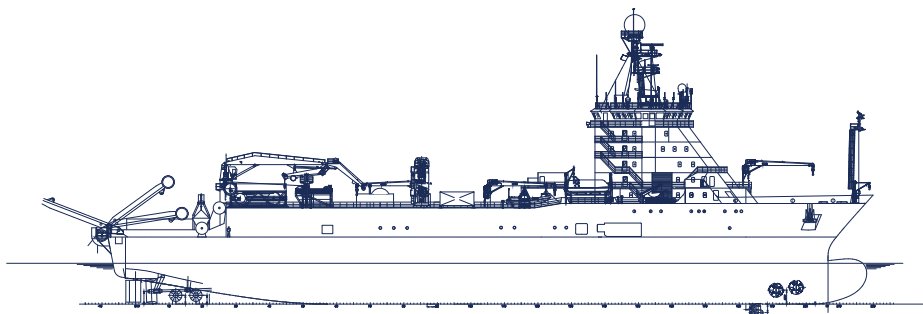
- LENGTH OVERALL ..... 140.36 m
- LENGTH BETWEEN PERPENDICULARS ..... 136.40 m
- BREADTH MOULDED ..... 23.40 m
- SUMMER DRAUGHT ..... 8.016 m
- DEPTH 1<sup>ST</sup> DECK TO BASELINE ..... 12.00 m
- DEADWEIGHT AT DRAUGHT ..... 8.016 m 9.820 dwt

### Cable Tanks Capacities

- MAIN CABLE TANK ..... 2 x 3000 mT  
2 x 1500 m<sup>3</sup>
- SPARE CABLE TANK ..... 2 x 250 mT  
2 x 150 m<sup>3</sup>
- REPEATER STORAGE ..... 200

### Accomodations

- HIGH CLASS CABINS ..... 8
- OFFICER'S CABINS ..... 22
- PRETTY OFFICER'S CABINS ..... 10
- SINGLE CABINS ..... 20
- DOUBLE CABINS ..... 5



## ILE DE CLASSE

## VESSELS SPECIFICATIONS

### Engine and Propulsion

- PROPULSION ..... 2x Synchronous ALSTOM MZ6 HXD 800-100/4
- OUTPUT ..... 4000 kw @ 900 rpm
- PROPELLERS DIAMETERS ..... 2x LIPOS 4 blades 3.70 m Dia - Fixed pitch - Supra rotative
- DIRECTION OF PROPELLERS ..... Supra rotative
- MAX SPEED ..... 15,4 knots
- TRANSIT ECO SPEED ..... 11.5 knots

### Thrusters

- BOW THRUSTERS ..... 2x Lips 889 rpm - 1500 kw
- AFT THRUSTERS ..... 2x Lips 889 rpm - 1500 kw
- RETRACTABLE THRUSTERS ..... 1x Lips 720 rpm - 1500 kw

### Auxiliaries

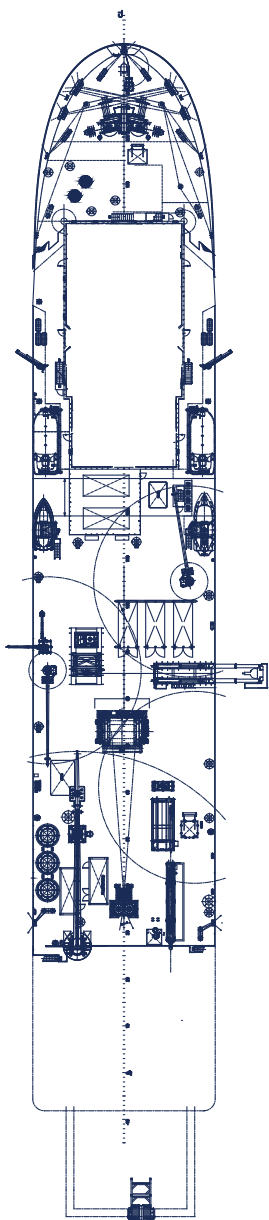
- MAIN DIESEL GENERATOR X 4 ..... 4-stroke non-reversing diesel engines
- D/G ENGINE TYPE ..... 9M32 MAK
- RATING ..... 4320 kw
- VOLTAGE ..... 3x 6600 v, 60 hz
- HARBOUR GENERATOR X1 ..... 4-stroke non-reversing diesel engines
- D/G ENGINE TYPE ..... 9M32 MAK
- RATING ..... 1360 kw
- VOLTAGE ..... 3x 450 v, 60 hz
- FUEL/CONSUMPTION ..... MDO/ 178 g/kwh at 100% load

### Cranes

- OVERHEAD HANGAR CRANE ..... 1x 5 mT x span 25m
- AFT KNUCKLE LOOM CRANE ..... 1x 5 mT
- DECK CRANES ..... 2x2 mT
- FORWARD DECK CRANES ..... 2x2 mT
- MONORAIL JOINTING ROOM ..... 1 x 1,5 mT
- MONORAIL E/R SPARE PART ..... 1 x 2 mT
- SWING DAVIT ..... 1 x 1 mT
- MODULAR BUOY HANDLING DAVIT (P+S) ..... 1x off each side of vessel capacity 5 mT each

### Main A-Frame

- SAFE WORKING LOAD ..... 50 mT under roller & stabilising frame  
35 mT between starboard lay line & Plough Parking position
- PRINCIPAL DIMENSIONS OUTREACH ..... 13m
- MAX SPEED ..... Fully outboard to 45° inboard in 60 second



## ILE DE CLASSE

## VESSELS SPECIFICATIONS

### Cable Installation Equipments

- SHEAVES ..... 1x cable repair sheave  
1x plough towing sheave  
1x cable laying sheave  
1x umbilical sheave
- TUGGER WINCH ..... 2x 7.5 mT  
2x 2 mT
- DRUM CABLE ENGINE ..... 1x 4 meters diameter DOWTY  
Max static tension 40 mT
- DO/HB CABLE ENGINE ..... 1x 6-wheel pair DOWTY  
Max tension: 6 mT at 0-4 knots  
Max speed: 8 knots at 5 mT
- LCE LINEAR CABLE ENGINE ..... 1x 21-wheel pair DOWTY  
- Pick up mode:  
Max tension: 17 mT at 2 knots  
Max speed: 8 knots at 8 mT  
- Pay out mode:  
Max tension: 20 mT at 4 knots  
Max speed: 8 knots at 10 mT
- TRANSPORTER ..... 2x 2-wheel pair DOWTY  
Max tension: 2 mT at 4 knots  
Max speed: 8 knots at 1 mT
- PFE ..... 1x Spellman PFE 10 kV or ASN PFE 15 KV

### Survey and navigation equipments

- GYROCOMPASS ..... 3x Survey grade Gyrocompass
- USBL ..... Sonardyne USBL System:  
Ranger 2 – UM-8251
- HYDRO ACOUSTIC EQUIPMENT ..... Various Beacons available and compatible with  
Sonardyne Ranger 2 System
- DYNAMIC POSITIONING SYSTEM ..... Alstom ADP Dynamic Positioning System DP II
- ECHO SOUNDER ..... Shallow Water: SKIPPER GDS 101 / 2 Transducers  
(Frequency: 50 KHz & 200 KHz)  
Deep Water: Kongsberg Simrad EA 500 / 1 Simrad  
12-16/60 Transducer
- DIFERENTIAL GPS ..... 3x C-Nav 3050 Differential-GPS
- CABLE LAYING SOFTWARE ..... MaKaiLay

### Other

- MAX BOLLARD PULL ..... 130 mT
- TOW WINCH ..... 80 mT

