

R/V ANTEA (IRD)

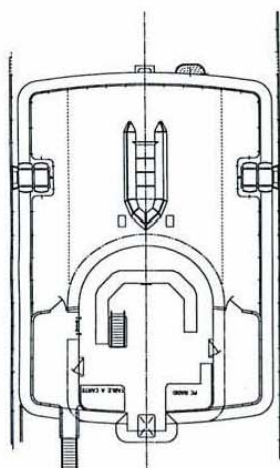


Institut de recherche
pour le développement

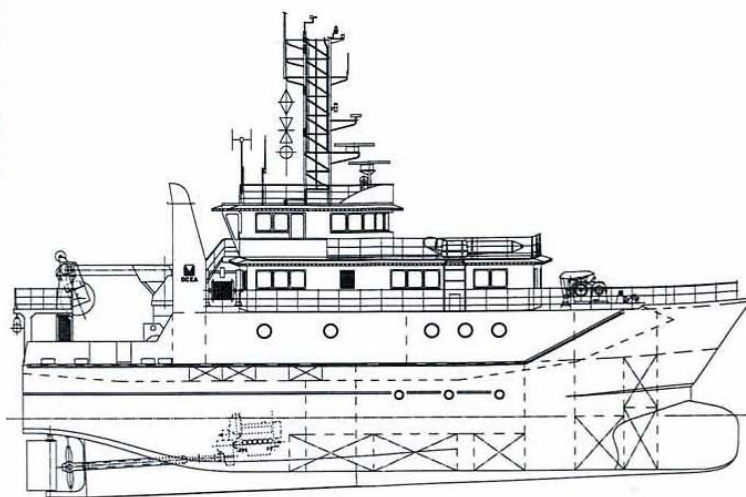


Aluminium catamaran 34,95 m length and 11,70 m broad built for IRD in 1995 by OCEA, l'ANTEA is registered in Concarneau (France). It usually sails in the tropical Atlantic but it can operate in the Indian Ocean as well.

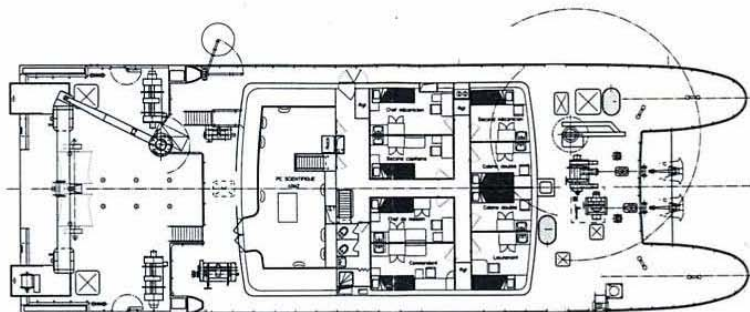
It intervenes in support with research programs concerning ocean dynamics and the ocean-climate relationships, mechanisms of oceanic production, follow-up and management of fisheries, and marine géosciences ANTEA is a general-purpose ship which can carry out work of trawling, sampling of plankton, acoustic detections of fish shoals, physical and chemical oceanography, deposit and recovery of scientific equipment at sea, and geology and geophysics cruises.



Vue sur timonerie



Vue longitudinale



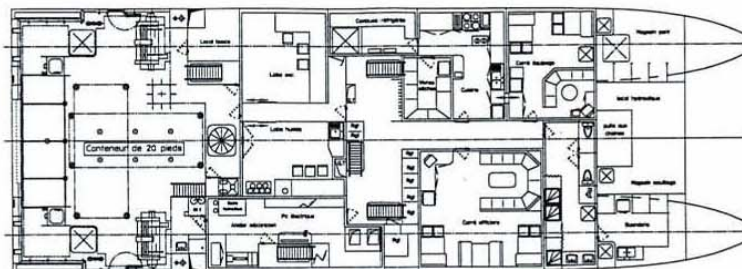
Vue sur pont supérieur

**BUILT IN 1995 BY
CHANTIERS OCEA LES SABLES D'OLONNE**

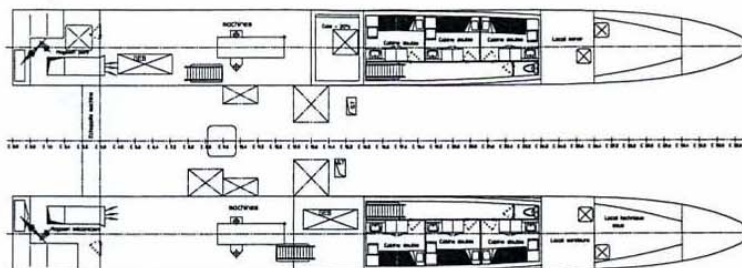
Research vessel ; game fishing 1 st class

Official number	CC 854 508
Port of registry	CONCARNEAU
Length overall	34,95 m
Width overall	11,70 m
Load displacement	405 T
Aft draught	3,40 m
Gross tonnage	421,40 Tx (571 UMS)
Net tonnage	84,25 Tx (171 UMS)
Call sign	FNUR 854 508 N

CLASSIFICATION	Bureau Veritas
Register number	39 Y 352



Vue sur pont principal



Vue sous pont principal

SHIP CHARACTERISTICS

PROPULSION

2 moteurs de propulsion DEUTZ TBD 604 2 x 642 CV
2 hélices à pas variable RENOU DARDEL Type HPV 704

ENERGIE ELECTRIQUE

2 groupes électrogènes CATERPILLAR 3306 180 KVA
Onduleur ENAG 5000 VA

ENERGIE HYDRAULIQUE

2 pompes attelées aux moteurs BE 4109/C
Puissance 250 CV (250 HP)
Pression 30 bars

CAPACITES DES SOUTES

Combustible 68 m³
Eau douce 32 m³
Production eau douce AQUA SET 2 T/jour

EFFECTIF

Effectif navigant 6 officiers et 7 matelots
Scientifiques 10

AMENAGEMENTS LOCAUX HABITES

Sous pont principal
Cabines hommes d'équipage 3 cabines (x 2)
Cabines scientifiques 3 cabines (x 2)
Sur pont supérieur
Cabines officier 1 personne 6 cabines
Cabine chef de mission scientifique 1 cabine
Cabine scientifique 1 cabine (x 2)
Carré officiers 1
Chambre froide +4/6°C 18 m³
Chambre froide -20 °C 12 m³

LOCAUX SCIENTIFIQUES

Emplacement pour container 1 de (of) 20 pieds
Laboratoire "sec" 18 m²
Laboratoire "humide" 16 m²
PC Scientifique 40 m²

PROPULSION

2 Diesel Engines DEUTZ TBD 604
2 controlable pitch propellers

ELECTRICAL POWER

2 generators set
Regulated current

HYDRAULIC POWER

2 pumps connected up the engine
Horsepower
Pressure

CAPACITIES

Capacity bunkers
Capacity fresh water
Production fresh water

ON BOARD STAFF

Crew
Scientists

STAFF LIVING QUARTERS

Double cabins
Double cabins
Single officer cabins
Chief scientific cabin
Double cabin
Mess-room officers
Cool-room
Walk-in freezer

SCIENTIFIC QUARTERS

Location for container
1 "dry" laboratory
1 "wet" laboratory
Scientific PC

SCIENTIFIC EQUIPMENT

		PHYSICAL OCEANOGRAPHY	
		Expendable probe launcher :	SIPPICAN (x2) : [XBT –XCTD]
		Thermosalinograph :	SBE21 (x2)
		CO ₂ analyser	<i>not yet</i>
Operation area Atlantic and Indian Ocean Country France NODC code 854508 Code d'appel FNUR Year of construction 1995 Port of registry Concarneau		ACOUSTIC EQUIPMENT	
		Ship mounted ADCP :	RDI OS 75 kHz
		Sonar :	SIMRAD SR 240
		Multibeam sounder :	<i>Néant</i>
		Bathymetric sounder (deep sea)	SIMRAD 12 kHz
		Bathymetric sounder (shallow area)	FURUNO FCV1000
		Scientific echosounder [acoustic bases] x4	SIMRAD ES38 B
			SIMRAD ES70
			SIMRAD ES120
			SIMRAD ES200
		Scientific echosounder [transceivers or GPT]	<i>To be installed in April 2009</i>
		NAVIGATION EQUIPMENT	
		Gyrocompas	OCTANS IV (x2)
		Radars	FURUNO FR2120
			FURUNO FR2110 (ARPA)
		Loch	SAGEM LH92
		GPS differential	SERCEL NR230
		Cartography	OLEX
		GPS	Aquarius
			SAAB R4
			AIS
		Softwares	CINNA
			POLEX
			PLEX
		FISHING EQUIPMENT	
		Net sonde	FURUNO CN8
		Trawl positioner	ITI SIMRAD
		Wirelength measurement pulley	MARELEC

DECK EQUIPMENT

CTD winch	1	cable type	1-42P conductor
		cable diameter	10.8 mm
		cable length	4500 m
Hydrology winch	1	cable type	carrier
		cable diameter	6.45 mm
		cable length	1000 m
Fishing winches	2	cable type	carrier
		cable diameter	16 mm
		cable length	2 x 2500 m
Hydro crane	1	at port	3 tons at 11.6 m
		at sea	2 tons at 9 m (H waves< 2.1 m)
			2 tons at 8 m (H waves < 2.5 m)
			2 tons at 11.6 m (H waves < 1.1m)
		1.4 tons at 11.6 m (H waves < 2.5 m)	
Gantry stern	1	Type	Fixed - vertical
		CMU	5 tons
Location for container	1	Type	20 feet