



Francisco Cardama, S.A.

SHIPYARD AND DRY DOCK

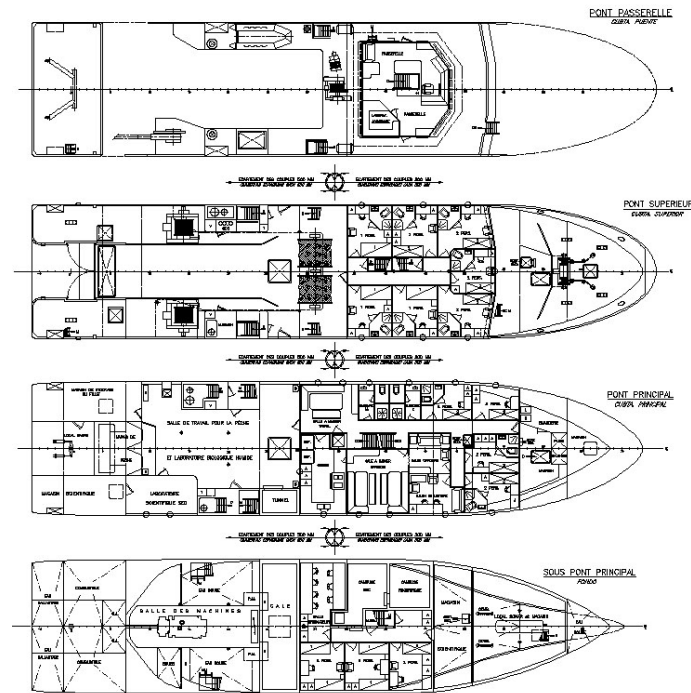
SHIPBUILDING
SHIP REPAIRING
NAVAL CARPENTRY
MECHANICAL
BOILER WORKING
PIPING

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SHIPYARD & DRY DOCK



Name of the vessel:
Shipowner:
Type of vessel:
Building:
Delivery:

BELKACEM GRINE
MINISTRY OF FISHING (ALGERIA)
OCEANOGRAPHIC VESSEL for fisheries resources monitoring and training
C-228
December 2010

MAIN PARTICULARS:

Length overall: 40,00 mtrs.
Moulded beam: 8,50 mtrs.
Depth to main deck: 4,00 mtrs.
Fuel capacity: 150 m³
Fresh water capacity: 30 m³
(with two fresh water generator)

GROSS TONNAGE, POWER AND OTHER:

Gross Tonnage (GT): 464 GT
Maximum engine continuous range power: 1.300 HP
Trial Speed: 12 knots
Crew: 14 people
Scientist: 11 people

EQUIPMENTS:

Fishing equipments:

- 2 Split winches for 3.000 m wire each one
- 2 Net drum 4 m³ each
- 1 Scientific winch for 3000 m
- Automatic warping head and tension ITI controller

Scientific equipments:

- SONAR SIMRAD EM-710 multi-beam
- SOUNDER SIMRAD EK-60, three frequencies
- SONAR FURUNO CSH-5L
- CTD SEACAT SBE-19, Thermosalinometer
- SEACAT SBE-21, Seapath 20, Seatex MRU5, noise analyse system ORT-8104.

OTHERS:

This vessel has been designed for:

- ➔ Vessel for monitoring and evaluation of fishing resources.
- ➔ Prepared for pelagic and deep sea fishing, classifying and weighing fish.
- ➔ Able to measure physical and chemical factors of the sea at different deeps.
- ➔ Training of scientists and the crew on fisheries function and analyse.
- ➔ Sample manipulation area and catch classification.