



Francisco Cardama, S.A.

SHIPYARD AND DRY DOCK

SHIPBUILDING
SHIP REPAIRING
NAVAL CARPENTRY
MECHANICAL
BOILER WORKING
PIPING

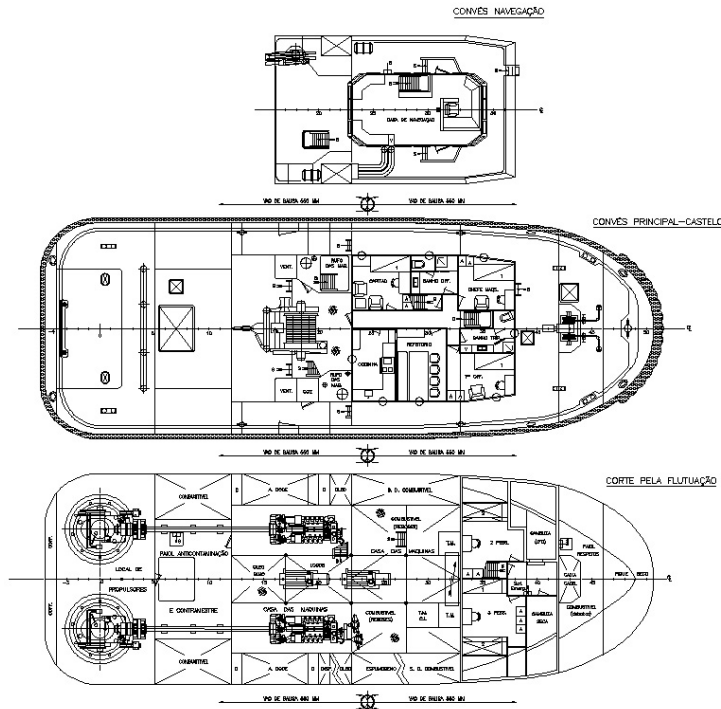
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SHIPYARD & DRY DOCK



Name of the vessel:	KALAY
Shipowner:	Porto do Lobito (ANGOLA)
Type of vessel:	Tug Boat
Building:	C – 230
Delivery:	March 2010

MAIN PARTICULARS

Length overall:	30,60 mtrs.
Length between perpendiculars:	26,90 mtrs.
Moulded breadth:	10,60 mtrs.
Depth to main deck:	4,90 mtrs.
Moulded draft:	4,20 mtrs.
Classification Society:	Lloyd's Register +100 A1, MCH, FiFi I,

CAPACITIES

Fuel tanks:	230 m ³
Fresh water tanks:	45 m ³
Oil tanks:	11,6 m ³
Foam tanks:	14 m ³
Conditioned Air:	Summer/ winter

GROSS TONNAGE, POWER AND SPEED. ENDURANCE.

Gross Tonnage (GT):	340
Maximum engine continuous range power of MTU 16 V 4000 M61 engine:	2x2.000=4.000 kW
Azimuth Thrusters:	2xSCHOTTEL SRP1515
Generator Sets:	2x107 kVA
Trial Speed:	13,6 knots
Bollard pull:	63 ton.
Provisions endurance:	30 days (approx.)
Crew:	8 people

OTHERS

- This vessel has been designed for:
- ➔ Towing manoeuvrings at harbour and at open sea.
 - ➔ Search and Rescue operations, and Vigilance and Inspection of fishing vessels.
 - ➔ Passengers transport.
 - ➔ Transport of fresh water to other vessels at port.
 - ➔ Deck crane of 1 Ton at 7,6 m.
 - ➔ Towing winch for 800 m cable of 48 mm.
 - ➔ Towing hook for 65 Ton.
 - ➔ External fire fighting equipment, according with FiFi 1 requirements.