

SURYA ALAI

FAST CREW BOAT & UTILITY VESSEL



A15-5 Menara UOA Bangsar
No 5 Jalan Bangsar Utama 1
59000 Kuala Lumpur, Malaysia.
Tel: +603-27103970
E-mail: admin@suryanautika.com.my



PRINCIPAL PARTICULARS

Port Of Registry : Port Kelang
 Call Sign : 9MFL2
 IMO No. : 9483114
 Official No. : 332458
 Year Built : 2007
 Class : Bureau Veritas (BV)
 Notation : 1✕ Hull ✕ Mach Crew boat ; Special service – Utility vessel, Coastal Water
 Type : Fast Crew Boat / Utility Vessel
 Flag : Malaysia
 Owner : Surya Nautika Sdn Bhd
 Operator : Surya Nautika Sdn Bhd

DIMENSION

Length Overall : 34.00 m
 Length Registered : 31.49 m
 Breadth Moulded : 7.83 m
 Depth Moulded : 3.30 m
 Draft Moulded : 1.50 m
 Summer freeboard : 1.735 m
 GRT : 226 mt
 NRT : 67 mt
 Deadweight : 44 mt

PERFORMANCE

Speed : 20.0 - 22.0 knots
 Type of fuel : Marine Gas Oil

CARGO CAPACITIES

Deck Cargo : +/-40 mt
 Deck Strength : 2.5 Ton/m²
 Clear Deck Area : 65.10 m² (6.2m x 10.5m)
 Fuel Oil : 50 m³
 Fresh Water : 20 m³
 Sludge Tank : 250 ltrs
 Dispersant tank : 200 ltrs
 Cargo railing height : 1.5m

PROPULSION SYSTEM

Main Engine : 3 x 1350 BHP @ 1950 rpm Cummins KTA 38M2
 Main Generator : 2 x 75Kw Cummins 6BT 5.9 DM
 Bow Thruster : 1 x 1 Ton Thrust
 Steering Gear : 1 x Kobelt 7175 MA (electrohydraulic)
 Propulsion : 3 x 5 Bladed FPP of Nickel Aluminum Bronze
 Rudders : 2 nos

DECK EQUIPMENT

Anchor Winch : Electrical, single drum and warping head
 1 ton nominal pull at 9m/min
 Anchors : High Holding Power type, 1 x 135kg (approx.)
 Chains : Steel wire rope (length and breaking strength as required by Class) c/w 12.5m x 14mm dia. stud link chain
 Bollards : 6 x 100mm dia. double-bit / 2 x 100mm dia. single bit
 Mooring Chocks : 4

FIRE FIGHTING EQUIPMENT

External

Fire monitor : 2 units fitted on the port and starboard side aft (stern) on the main deck.
 Fire pump : 300m³/hr (Volvo Penta – Standalone unit)

Internal

Fixed System in E/R : Aerosol Fire Suppression System
 Fire Detection System : Fire Alarm Panel Kent Tech
 Emergency Fire Pump : Desmi 50 m³/hr Electric Motor Driven
 Fireman's outfit : 2 units complete with breathing device
 Fire blanket : 3 nos.

NAVIGATIONAL /COMMUNICATION EQUIPMENTS

GMDSS : 1 set T&T
 SSB : 1 set Sailor
 SART : 2 x ACR PATHFINDER TM
 EPIRB : 1 set Kannad Auto
 Inmarsat C : 1 set T&T
 VHF Radio : 2 x T&T
 Portable VHF Radio: 3 x handheld VHF, 2.5W, I.S. type c/w spare battery & charger
 Satellite Phone/fax : 1 unit Mini-M
 Navtex Receiver : 1 x McMurdo, ICS NAV 5 PLUS
 X-Band Radar : 1 x Furuno
 Echo Sounder : 1 x Skipper, ED165
 GPS : 1 x Koden Electronics
 Gyro compass : 1 x Anschutz
 Autopilot : 1 x SIMRAD AP50
 Speed Log : 1 x Anthea
 Magnetic Compass : 1 set Cassen & Plath GMbh
 AIS : 1 x Furuno

ACCOMMODATIONS

Berths : 10 berths for marine officer/crew
 Passenger Seating : 50 persons
 *All cabins are fully air-conditioned

LIFE SAVING APPLIANCE

Search Lights : 2 x 1000W (360°)
 Liferrafts : 6 x 25 Men SOLAS Type
 Lifebuoys : 8 pcs
 Life jackets : 63 pcs
 Work Vest : 12 units
 EEED : 4 units
 Line Throwing : 4 projectiles and lines
 Apparatus
 Scrambling net : 2 units (4m x 3m)
 Rescue boat : 1 inflatable rescue boat for 6 men with 25HP outboard motor and launching davit

AUXILLIARY SYSTEM

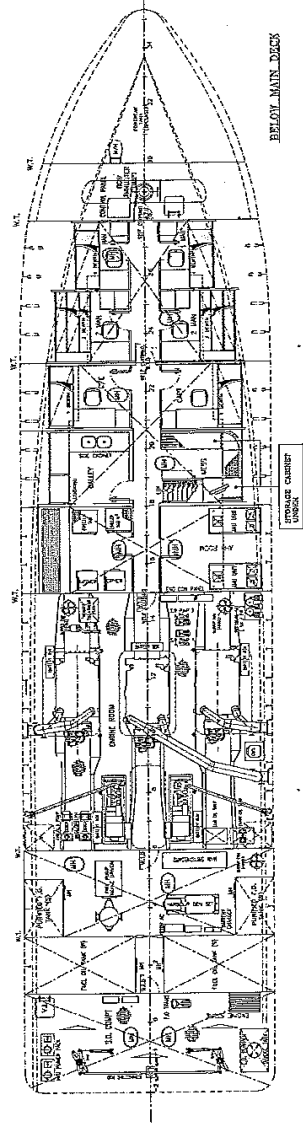
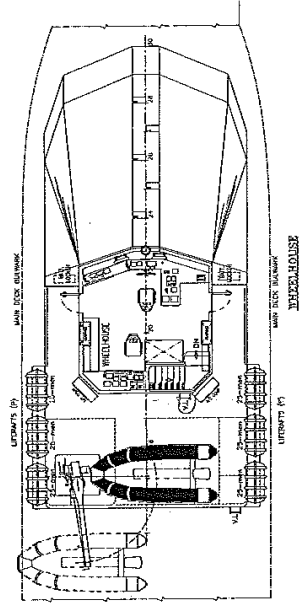
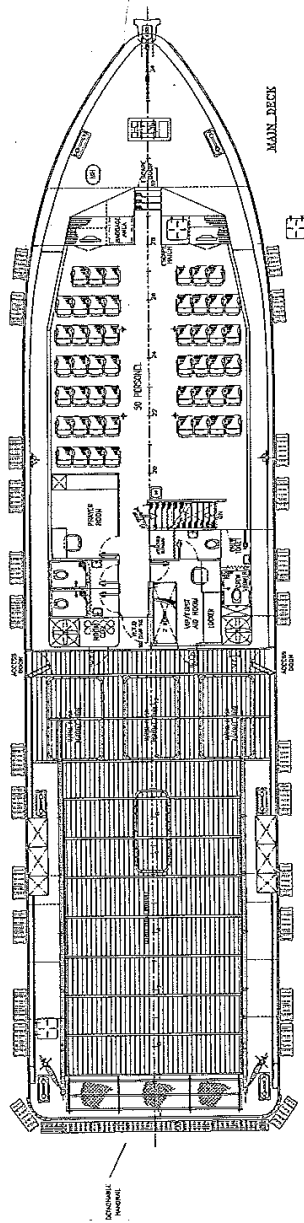
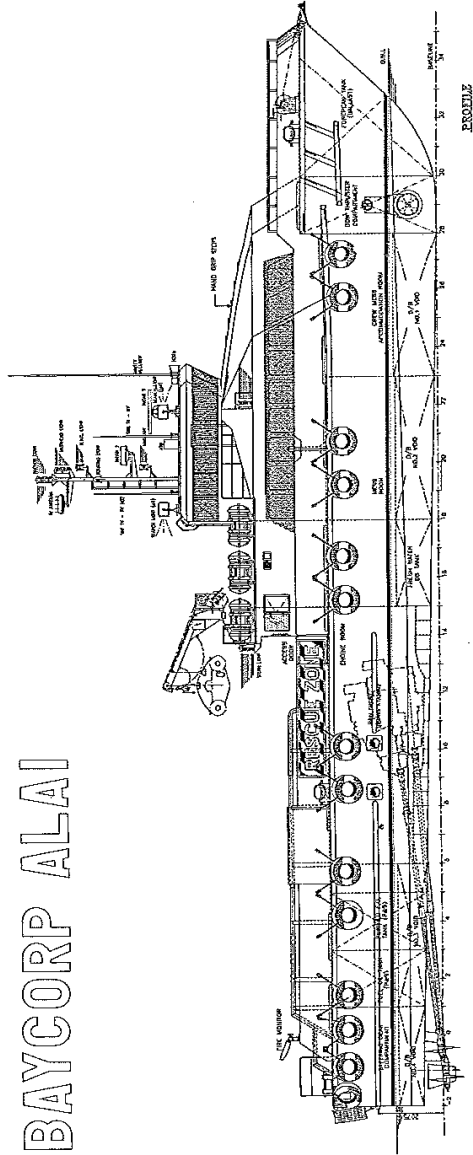
Rescue Zone : Port & Starboard at Main deck
 Oily Water Separator : 1 nos. of 0.5t/hr Georim


BAYCORP ALAI

PRINCIPAL DIMENSIONS

LENGTH O.A. (Hull) _____ 34.00 M
 LENGTH W.L. _____ 31.87 M
 BREADTH MLD _____ 7.85 M
 DEPTH MLD _____ 3.30 M
 DRAFT (Midship) _____ 1.50 M

COMPLEMENT _____ 10 CREW
 _____ 50 PERSONNEL



D. LATEST DESIGN DIMENSIONS:		MM	MASB/D
A. APPROVED AS PER P&I APPROVAL ID 224187	SCALE	C	20/02/07
PROJECT :	NO. OF SHEETS	NO. OF SHEETS	DATE
NGV TECH SDN BHD	1	1	
 NGV TECH SDN BHD (INCORPORATED IN MALAYSIA) C-10411 MALAYSIAN MANUFACTURE. TEL: 603-24607780			
PROJECT : 34M FAST OFFSHORE CREWBOT			
TITLE : GENERAL ARRANGEMENT			
1/000			
DRAWN BY :	CHECKED BY :	DATE :	SCALE :
25/06/08	JLM	11/00	1:1
APPROVAL :	REVISION :	NO. OF SHEETS :	TOTAL SHEETS :
		1	1