

Principal Particulars

Registration & Classification	
Built Year / Builder	2008 / Nantong Tongbao Shipbuilding Co. Ltd., China
Flag / Registration Port	Malaysia / Port Kelang
Classification	American Bureau of Shipping (Certified for ILO, ILL MARPOL)
Notation	+ AI Accommodation Barge
Official No. / Call Sign	24490711 / T2MN3

Physical Parameters		
Dimensions :	Length	111.324 m
	Breadth	30.48 m
	Depth	6.864 m
Tonnage :	Draft	4.85 m
	Gross / Net / Dwt	10564 T / 3143 T / 13942 T

Facilities | Supply Capabilities | Mooring

Facilities (Accommodation, Working & Other)		
Accommodation	425 Persons	
1-man Cabin	9 x 1	= 9 Persons
2-man Cabin	14 x 2	= 28 Persons
4-man Cabin	97 x 4	= 388 Persons
Client Office	3 nos.	
Barge Master Office	1 no.	
Conference Room	1 no.	20 Persons Capacity
Radio Room	1 no.	
Control Room	1 no.	
Hospital	1 no.	3 Beds
Dinning Room (Officers)	1 no.	30 Persons Capacity
Mess Room (Crew)	1 no.	185 Persons Capacity
Laundry Room	1no.	
Change Room	1 no.	
Recreation Room	1 no.	20 Persons (Officers) 48 Persons (Crew)
Indoor Games Room	1 no.	Board Games
Table Tennis Room	1 no.	2 Tables
Gymnasium	1 no.	
Pantry Room	1 no.	
Prayer Room	1 no.	
Dry Provision Room	2 nos.	
General Store Rooms	2 nos.	
Paint Store Room	1 no.	
Meat / Fish Chiller	50m3	
Vegetable Freezer	50m3	
Air Conditioning Unit	Comply to ILO 92, IMO Resolution A468 (XIII), PGBOOM	

Cargo Capacity		
Deck Space / Strength	Deck Area	2000 m2 (Under accomodation-500 m2)
	Deck Strength	20 T / m2
Bulk Cargo	<u>Storage Capacity</u>	<u>Discharge Capacity</u>
Fuel Oil	1030 m3	80 m3 / hr @ 60 m head
Fresh Water	2600 m3	100 m3 / hr @ 60 m head
Ballast Water	8000 m3	2 x 300 m3 / hr @ 60 m head
Blige		2 x 150 m3 / hr @ 40 m head
Domestic Fresh Water and Sea Water		4 x 30 m3 / hr @ 70 m head

Mooring System		
Mooring Points	8 Points	
Winch Drum	8 nos. Singe Drum	Electro-Hydraulic
Winch Drive	Motor Driven	
Line Pull	70 T	
Brake Capacity	120 T	Static @ 1st Layer
Anchors	9 nos.	10 T (Flipper Delta)
Anchor Wire	8 Coils, 46 mm SWR	1500 m (L)
Pennant Wire	9 nos., 46 mm SWR	130 m (L) Each
Anchor Marker Buoys	9 nos. Foam Filled	2.4 m (L) x 1.6 m (W)
Tugger Winch	3 nos.	1 x 10 T (Engine Driven) 2 x 5 T (Motor Driven)
c/w tension sensors, wire length counter, 16 vertical sheaves, 8 universal fairleaders		

Helideck		
Sikorsky S92 or Equivalent	Length	25.62 m
	Breadth	25.62 m

Machineries & Equipment

Generators		
Main Genset	Engine - 3 nos., Cummins KTA -38-DM	Each 1000 KVA 440 V, 3 Ph, 60 Hz

Machineries & Equipment		
Air Compressor	1 no. (Motor Driven)	294 m3 / hr (1 Cyl / 1 Stage) @ 13 bar

	Alternator - Stamford
Emergency Genset	Engine - 1 no., Cummins 250 KVA NTA 855-DM 440 V, 3 Ph, 60 Hz
	Alternator - Stamford
Deck Crane	
Pedestal Mounted Techcrane L500-160	Capacity 147 T
	Boom Length 160 Ft

Fresh Water Maker	2 nos. x 50 m3 / day	Reverse Osmosis (Hansun)
Sewage Treatment Plant	2 nos. x 250 men, WCB 250	Jiangsu Nanjing Machinery, China.
Oil Water Separator	1 no., (3 m3 / hr, c/w 15 ppm alarm)	Shanghai Shijiu Shipboard, China.
IOPP	Comply	
Workshop	1 no.	

Others

Communication & Navigation System		
GMDSS Set	Area Comprising A1, A2 & A3	
SSB Radio	1 no.	Furuno FS-2571T
Navtex Receiver	1 no.	Furuno NX700A
Inmarsat C	1 no.	Furuno Felcom 15
VHF Air Band T'receiver	1 no.	Icom IC-A-110
VHF Radio (Fixed)	2 nos.	Furuno FM 8800S with built-in DSC
Portable VHF Radio	3 nos.	ACR
Portable Marine VHF	3 nos.	Motorola GP-328
Radios	6 nos.	Icom M32
Intercom & PA System	Entire barge	
Aero VHF	3 nos.	Icom (IC-A4E,IC-A24,IC-A5) .
Satellite Phone, Fax & Email	One - FBB 500	Sailor, thrane & Thrane
GPS	1 no.	Furuno GP150
Radar	1 no.	Furuno FR-062
Gyro Compass	1 no.	Raytheon Anschuitz
Magnetic Compass	1 no.	Portable
Echo Sounder	1 no.	Furuno FE700
Wind Dir. & Wind Speed Indicator	1 no.	Wind Tracker, Navalynx
Anemometer & Clinometers	Walker P1249 & QB55-200	John Lilley & Gillie Ltd. & Pendulus Inclinator-QZ 70
Barges also fitted with PA Talkbalk System and Sound Powered Telephones & CC TV Systems		

Safety (FFA & LSA)		
FFA (As per Solas) :		
Fire Pump	1 no. (Electric Driven)	300 m3 / hr @ 90 m head
Emergency Fire Pump	1 no. (Engine Driven)	300 m3 / hr @ 90 m head
Fixed Foam Fire Fighting	Foam Tank Capacity: 400 Liters.	For Helideck
Fire Monitors	2 nos.	140 m3 / hr @ 7 bar
Fire Hydrants	51 nos.	As per FFA plan
Intl. Shore Connection	1 no.	As per FFA plan
Fixed CO2 System for generator room	Area Protected = Generator room, paint store & galley duct	Sinoking
Automatic Water Sprinkler System	Area Protected = Entire accommodation area, including paint store, galley and workshop	1 x 150 m3 / hr @ 80 m head
General Alarm, Fire Detection System	Area Protected = Entire barge	
LSA (As per Solas) :		
Rescue Boat	1 no.	6 Persons Cap.
Life Raft	36 nos. (25 men capacity)	Total Cap. 900 persons (both sides)
Life Jackets	638 nos.	150 % of the maximum POB carrying capacity
Life Buoys with MOB	2 nos.	Mounted as per Barge Safety Plan
Life Buoys with SI Light	10 nos.	Mounted as per Barge Safety Plan
Life Buoys with Line	2 nos	Mounted as per Barge Safety Plan
Life Buoys	6 nos	Mounted as per Barge Safety Plan
EPIRB	1 no.	ACR RLB 32
SART	2 nos.	ACR Pathfinder 3
Line Throwing App.	2 Sets Comprising of 4 Cartridges Each	Hundai Marine Signals Mfg.Co.Ltd.