



The **TEKNIK PUTRA** is one of four vessels owned and operated by **TL Geohydrographics** within the Asia Pacific area. This former UK Ministry of Defence survey vessel is now used by TLGH as a dedicated geophysical vessel.

The vessel is fitted with a 1.5m x 1.5m square moon pool. It also has two hull mounted 12kHz and 200kHz echo sounder transducers. A hydraulic Luffing 'A' frame is fitted on the stern having a working load capacity of 10 Tonnes, which can be used in conjunction with a single drum towing winch.

The vessel is **fully air conditioned** and can provide accommodation for a total of 30 berths, with a large mess room, recreational facilities and a hospital.

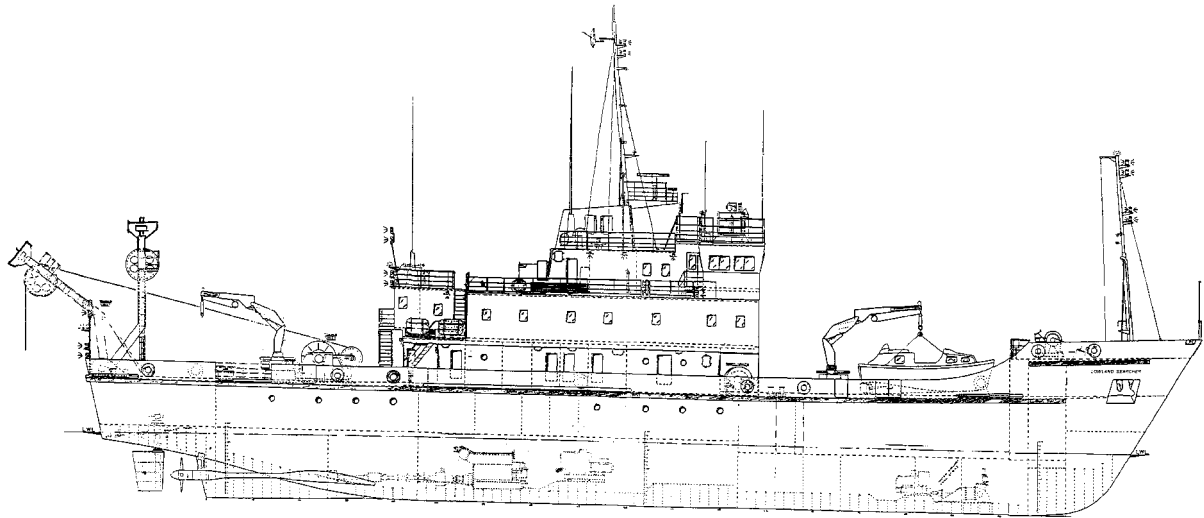
A **Survey and Post Processing Room** is on the stern main deck with fitted work surfaces shelving and storage cupboards occupying 20 square metres. There is main laboratory forward on the lower deck of approximately 100 square metres. There is 9.5m by 7.5m of cargo storage space aft and an area 8.7m by 6.09m forward which can be used for cargo or can take a container.

The Teknik Putra has capacity for 80.25 Tonnes of fuel and 44.76 Tonnes of fresh water with a fresh water generator capable of producing up to 8 Tonnes per day.

The vessel's **Life saving** facilities conform to International Conventions for safety of life at sea, with a capacity for 80 persons.

Since her purchase by TL Geohydrographics, the vessel has been chartered as a geophysical vessel within the Asia Pacific Region.

## Vessel Specifications:



### GENERAL

Commissioned	:	1980
Rebuilt	:	N/A
Refitted	:	1995
Port of Registry	:	Panama
Call Sign	:	HP 9101
Present Owners	:	TL Geohydrographics Sdn Bhd
Builder	:	Ferguson Brothers Glasgow, Scotland
Class	:	Lloyd's Maltese Cross 100A1, Maltese Cross LMC and UMS

### MACHINERY

Engines	:	2 x Mirrlees Blackstone ESL6MR dev 650 BHP @ 750 rpm
Propulsion	:	2 x E Bamford VP Propellers
Bow Thruster	:	Dorman 8JM dev 174 BHP driven by Gill Jet Model 24
Stern Thruster	:	N/A
Auxiliaries	:	3 x 192Kw 440v AC 3 ph 60Hz (Ships Power Supply) 3 x 440v AC 3 phase alternators @ output of 35/32/25 amp (as instrument power)

### CONSUMPTION

Port	:	0.50 MT/day
Survey Mode	:	1.50 MT/day
Transit	:	4.96 MT/day

Maximum Speed : 12 Knots

### CRANES

Aft Deck Crane	:	1 at Knuckle type at stern Crane capacity SWL 5.1mt @ 4.6m & 1.8mt @ 11.68m 1 forward Crane rated 8.0 mt @ 5m & 4.0 mt @ 9.15m Available for survey operations.
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### ACCOMMODATION

Total Available	:	31 berths
Clients Berths	:	2 x single cabins
Crew Berths	:	12 Berths
8 x single and 2 x double		
Passenger (survey)	:	16 Berths
2 x single and 7 x double		
Hospital	:	1 x single berths

### COMMUNICATIONS

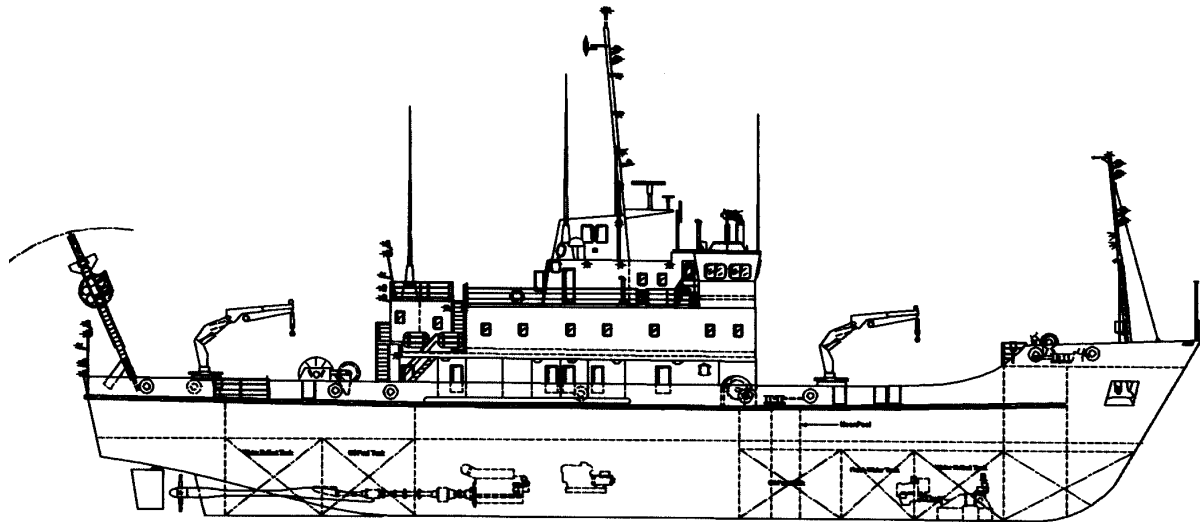
Vessel	:	ICOM IC M800 TY SSB Radio INMARSAT A & C' Satellites with voice/fax facilities. 2 x Sailor RT 144B VHF radios Singapore & Malaysian
Mobile Phone	:	Singapore & Malaysian

### ELECTRIC

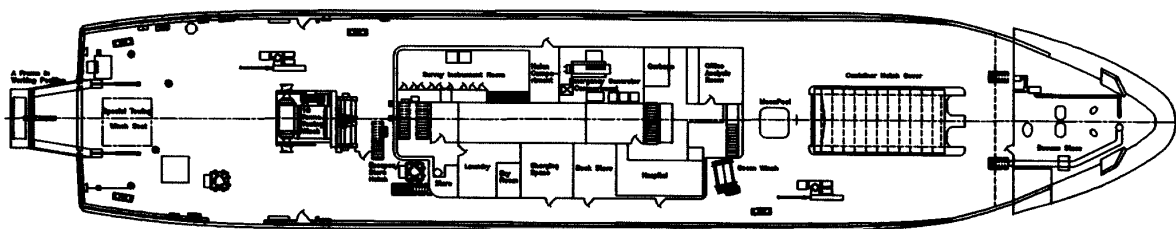
Mains Power	:	380/220V 3ph 60hz
	:	24V for Emergency use

### PHYSICAL SPECIFICATIONS

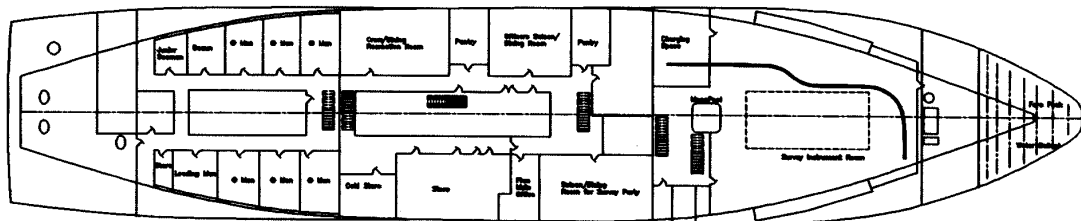
Dimensions	
Length O.A.	: 59.65 metres
Breadth	: 11.00 metres
Depth Moulded	: 6.0 metres
Draft Max.	: 3.66 metres
Tonnage	
Gross	: 1009 Tons
Net	: 302 Tons



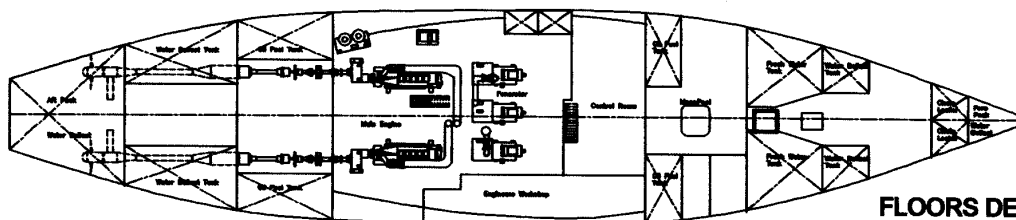
**PROFILE**



**UPPER DECK**



**LOWER DECK**



**FLOORS DECK**

**TEKNIK PUTRA**