



The **TEKNIK KEMBARA** is one of four vessels owned and operated by **TL Geohydrographics** within the Asia Pacific region. It is a dedicated geophysical site investigation vessel and is permanently equipped to support all aspects of geophysical operations.

The vessel is fitted with two hull mounted 12kHz and 200kHz echo sounder transducers and a 117Khz ISIS 100 system SWATH transducer. A 12" gate valve is also available. Seismic streamer cables (GECO GX600 Streamer type) are installed on the vessel along with HGS sleeve guns (4x40 array) sound source. The gun controller is a Kalamos QSC eight gun controller capable of producing up to 2,200 scfm. The digital recording system being a TTS-2 (128 channels) with SUN Sparc Ultra II processing utilising Promax ver. 6.04 software and Seisworks interpretation software.

The vessel is **fully air conditioned** and can provide accommodation for a total of 36 persons, with a large mess room, recreational facilities and a hospital. A **Survey and Post Processing Room** is on the main deck with fitted work surfaces shelving and storage cupboards occupying 108 square metres.

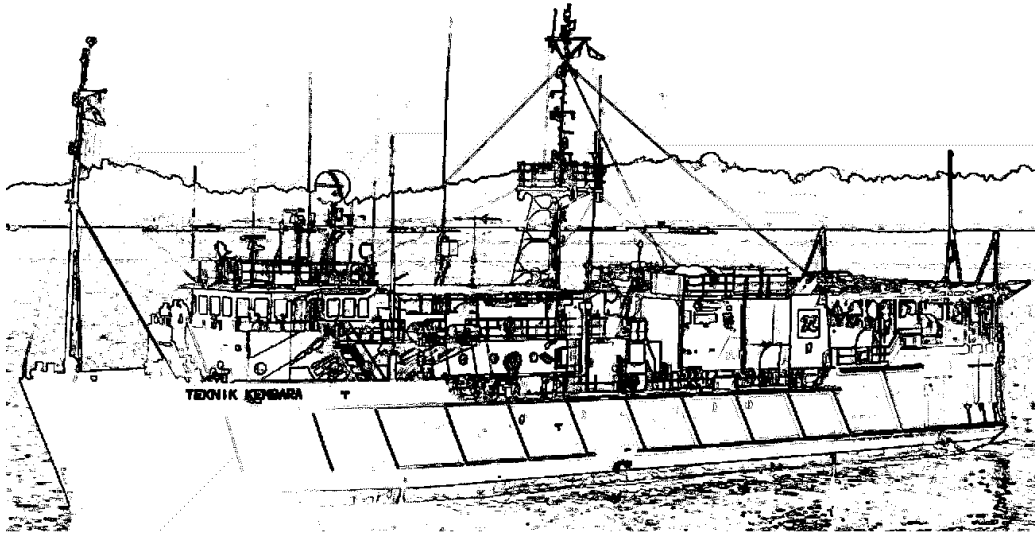
The Teknik Kembara has capacity for 339 Tonnes of fuel and 220 Tonnes of fresh water giving it an endurance period of approximately 35 days.

The vessel's **Life saving** facilities conform to International Conventions for safety of life at sea, with a capacity for 40 persons.

The Teknik Kembara was purchased by TL Geohydrographics, in 1993 and has been regularly involved with high resolution shallow seismic surveys since that date within the Asia Pacific Region.

## Vessel Specifications:

### TEKNIK KEMBARA



#### GENERAL

Commissioned	:	1979
Rebuilt	:	N/A
Refitted	:	1993
Port of Registry	:	Port Klang
Call Sign	:	HO 3493
Present Owners	:	TL Geohydrographics Sdn Bhd
Builder	:	Sin Koon Seng Pte. Ltd. Singapore
Class	:	ABS Maltese Cross A1, AMS ABS International Loadline

#### MACHINERY

Engines	:	2 x Caterpillar D-399 TA dev 1090 BHP @ 750 rpm
Propulsion	:	2 x Kamewa 50xF/4 VP
Bow Thruster	:	Kamewa SP1300 with 350 HP electric motor
Stern Thruster	:	N/A
Auxiliaries	:	2 x 550Kw 440v AC 3 ph 60Hz (for seismic air compressors) 2 x 175Kw 440v AC 3 ph alternators (ships supply) 2 x 30Kw 440v AC 3 ph (for survey Instrument use)

#### CONSUMPTION

Port	:	0.50 MT/day
Survey Mode	:	1.50 MT/day
Transit	:	4.96 MT/day
Maximum Speed	:	12 Knots
Endurance	:	35 days

#### CRANES

Deck Crane	:	1 HIAB 3 ton crane midships Available for survey operations
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#### ACCOMMODATION

Total Available	:	36 berths
Clients Berths	:	1 x single cabins
Crew Berths	:	14 Berths 4 x single, 3 x double 1 x four man
Passenger (survey)	:	20 Berths 2 x single, 7 x double 1 x four man
Hospital	:	1 x single berths

#### COMMUNICATIONS

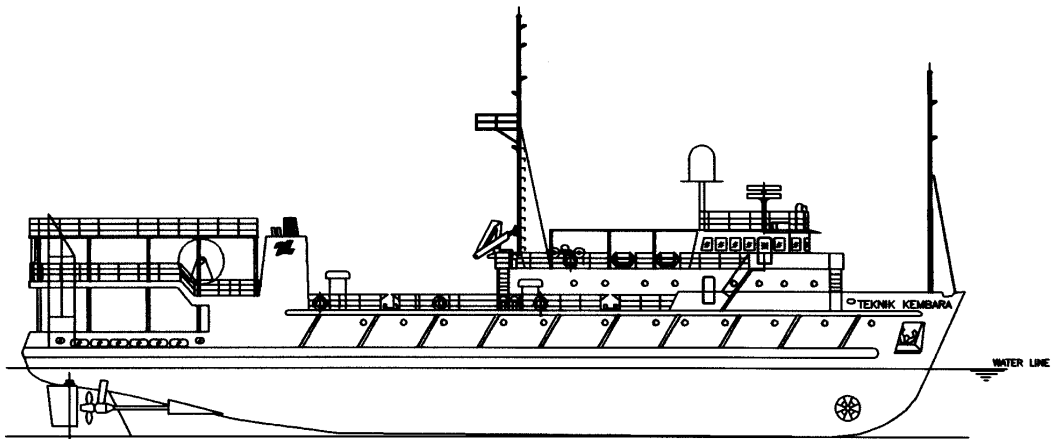
Vessel	:	ICOM and Sailor SSB Radio INMARSAT 'B' Satellite with separate voice fax and data Modem (64k data rate) 2 x VHF radios
Mobile Phone	:	Singapore & Malaysian

#### ELECTRIC

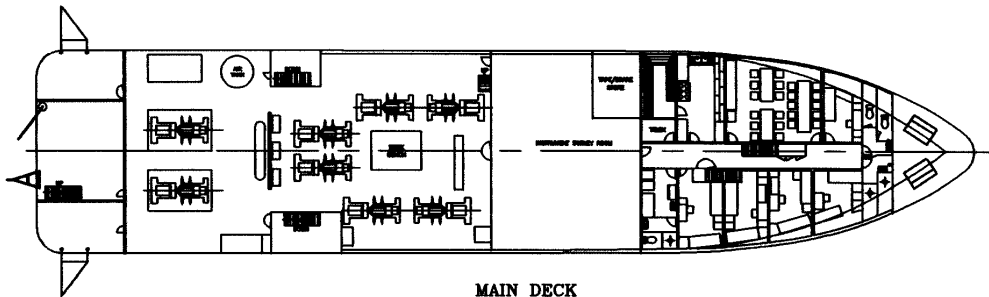
Mains Power	:	220V 3ph 60hz
	:	24V for Emergency use

#### PHYSICAL SPECIFICATIONS

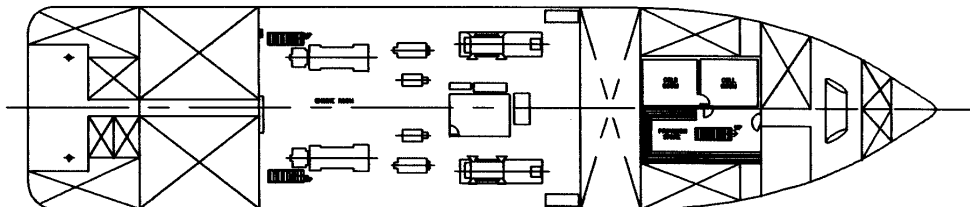
Dimensions		
Length O.A.	:	56.30 metres
Breadth	:	12.20 metres
Depth Moulded	:	4.88 metres
Draft Max.	:	4.20 metres
DWT	:	280 Tons
Tonnage		
Gross	:	935 Tons
Net	:	146 Tons



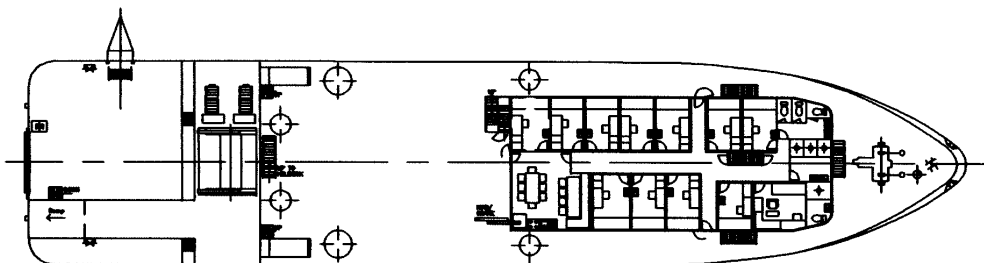
ELEVATION VIEW



MAIN DECK



BELOW MAIN DECK



FORECASTLE DECK

**TEKNIK KEMBARA**