

'KTL 101'



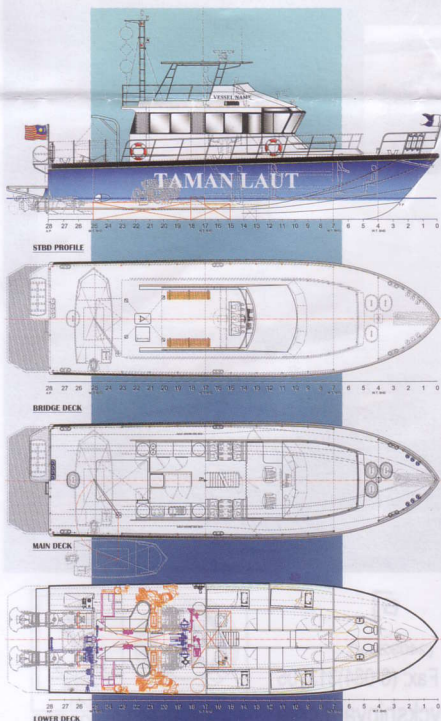
Another successful realisation of a Global Marine Design kit

KKM Logistic Hub of Malaysia has completed construction of a 19-metre fast patrol boat designed and kitted by Australia's Global Marine Design.

The boat is owned and will be operated by Malaysia's Jabatan Taman Laut (Marine Park Department) and was built under survey to Det Norske Veritas.

The aluminium patrol boat has an overall length of 20.1 metres on a beam of 5.2 metres with a draught of 1.1 metres and a depth of three metres.

With a gross tonnage of 32GRT, 'KTL 101' is driven by MAN V12 1360 engines each rated at 1,014kW, with power transferred via Twin Disc MGX6620SC marine transmissions to Doen waterjets,



producing a very responsive vessel suited to all forms of patrol work.

The 19-metre "All Weather Boat" (AWB) is the largest Air Rider design from Global Marine Design, surpassing the 54-knot and 17-metre 'Millennium Falcon', designed and built in 1995.

The sea trials of 'KTL 101' conducted in Malaysia achieved 38 knots at 50 percent fuel, exceeding the contract speed by four knots and showing this vessel to be an incredibly capable fast patrol boat with good acceleration and excellent sea keeping.

The design package from GMD was arguably one of the most detailed it has produced to date with engineering drawings unseen in the industry before. Fully detailed by GMD's design engineer Steve Tyler, the drawings made the builder's job as easy as it is possible to get, with 3D images of the finished systems as well as the traditional 2D line drawings.

The boat has been outfitted with a suite of navigation and communications electronics, mostly supplied by Furuno. She carries 6,000 litres of fuel, 1,000 litres of freshwater and eight personnel.

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'KTL 101'

SPECIFICATIONS

Type of vessel:	Patrol Boat
In survey to:	Det Norske Veritas
Home port:	Tioman Island, Pahang, Malaysia
Owner/operator:	Jabatan Taman Laut, Malaysia
Designer:	Global Marine Design, Australia
Builder:	KKM Logistic Hub, Malaysia
Construction material:	Aluminium
Length overall:	20.11 metres
Length waterline:	16.55 metres
Length bp:	16.55 metres
Beam:	5.2 metres
Draught:	1.1 metres
Depth:	3 metres
Tonnages:	32GRT, 40NRT
Main engines:	2 x MAN V12-1360, each 1,014kW
Gearboxes:	2 x MGX 6620SC Twin Disc
Propulsion:	2 x DJ220-SS Doen waterjets
Generator:	Onan Marine Genset - 27 MDKBU
Steering system:	Doen
Maximum speed:	38 knots (lightship)
Cruising speed:	32 knots (full load)
Electronics supplied by:	Furuno
Radars:	Furuno Model DRS4D, Navnet-3D Radar
Depth sounder:	Furuno Model DFF-1, 600W/1kW network sounder
VHF:	Furuno FM-4000 25W, 1W VHF marine transceiver
SSB:	Furuno FS-1503 150W 1.6 to 29.9MHz, simplex or semi-duplex SSB Radio telephone (non-GMDSS)
Sounder:	Furuno DFF-1, 600W/1kW network sounder
Compass:	Furuno SC-50 satellite compass
GPS:	Furuno GP-320B 12Ch GPS
AIS:	Furuno FA-30
Audio-visual system:	Furuno Model LH-3000 Loud Hailer
Capstan/windlass:	Maxwell - HWC 3500
Alarm system:	Conventional 4-zone fire and smoke alarm
Paints/coatings:	PPG protective marine coatings
Windows:	Glued marine windows glazed with 6mm clear toughened glass
Seating:	Fabrics
Flooring/deck surface finishes:	Rubber studded and vinyl
Interior fitout/furnishings:	Aluminium honeycomb
Liferaft:	1 x CRV 10-person
Lifeboat:	Mercury Savage 380 Snipe
Fuel capacity:	6,000 litres
Fuel consumption:	250 litres / hour at 85 percent MCR
Freshwater capacity:	1,000 litres
Crew:	8