

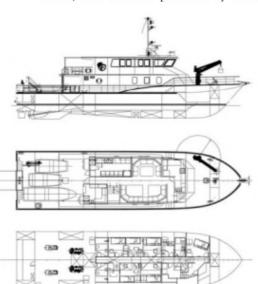
vessel order to Papua New Guinea (PNG).

The 'Fly Explorer' is a specialist environmental research vessel designed and built for the Ok Tedi Development Foundation (OTDF) for operation on PNG's Fly River and its associated coastal regions. It was designed in Singapore by Shiptech and built in Malaysia by Sarawak Slipways.

The 'Fly Explorer' is the sequel to Shiptech's first craft for OTDF, the 34 metre passenger ferry 'Fly Hope', which has been delivered and is now in active service. The remaining vessel, a 65 metre container/bulk fuel carrier, is due for delivery at the end of 2012.

The OTDF is an independent company founded to serve communities affected by PNG's massive Ok Tedi mine. The foundation has a mandate to provide resources and infrastructure to the local communities, in hopes of improving their livelihoods

With a steel hull and an aluminium superstructure, the 'Fly Explorer' has an overall length of 29.9 metres with 7.6 metres across her beam. Built to Lloyds Register G3 classification and in compliance with the Australian NSCV regulations for a Class 2C vessel, the vessel is powered by twin



engines provide the vessel with a speed of ten knots.

The vessel's fuel capacity of nearly 18 tonnes, together with substantial storage spaces and fresh water-making capability, will allow the 'Fly Explorer' to stay on station for extended periods. An onboard waste treatment plant also ensures the vessel attains and maintains environmentally friendly credentials.

The below deck spaces provide air-conditioned accommodation for ten, with an additional two berth crew cabin forward. The main deck superstructure houses a galley, crew lounge and mess area, as well as a fully equipped laboratory and separate workshop aft opening onto the aft work deck.

Stowage is provided on this deck for three smaller workboats, which are launched and retrieved by the ship's crane. A hinged platform at the vessel's stern, accessible via port and starboard stairways at the transom, provides a boarding / loading area for these workboats when deployed.

The upper deck layout comprises additional air-conditioned cabins for four persons plus an open plan office area aft and the wheelhouse forward. Designed for a crew of six, the vessel can house up to ten research personnel.

The 'Fly Explorer's primary role is to undertake environmental research. monitoring and river sampling, research as required by Ok Tedi Environment Department. The vessel's operational area is across the wide entirety of the Fly River, its tributaries and near-coastal areas. The vessel will also be used to disseminate information to the river-based, mine impacted communities.

The 'Fly Explorer' will be based at the Fly River port of Kiunga and will undertake year round field operations. Careful design and the use of lightweight materials in the construction of the superstructure has provided a shallow draught capability. This will allow the vessel to access many of the remote river areas and ensure the ecology of the rivers, wetlands, and surrounding environment remain closely monitored.

For further information contact: Shiptech, Singapore. Email: info@shiptech.sg Web: www.shiptech.sg

MV Fly Explorer SPECIFICATIONS

Type of vessel: Environment research vessel

In survey to: Lloyds Register, SSC G3 and NSCV Class 2C

Home port: Port Moresby, Papua New Guinea

Owner: Ok Tedi

Development Foundation. Papua New Guinea

Designer: Shiptech, Singapore

Builder: Sarawak Slipways, Malaysia

CAD software: Maxsurf & Autocad

Hull construction

material: Steel

Deckhouse construction

material: Aluminium

Length overall: 29.90 metres Beam: 7.60 metres

Draught: 1.80 metres

Tonnage: 223GRT

Main engines: 2 x CAT C12

each 253kW @ 1,800rpm

Gearboxes: 2 x ZF 325-1A

Propellers: 2 x FPP

Generators: 2 x Marine Genset C4.4

each 69kW @ 1,500rpm

Steering system: Palmarine PEH0502

Service speed: 10 knots

Range: 2,000nm

Depth sounder: Furuno FCV 620,

Thrane & Thrane, RT-5022 (VHF/DSC) Thrane & Thrane,

40510A (MH/HF)

Compasses: Globemaster YB-500, Furuno GP 32

Anchor windlass: Palmarine, PEAW165

Palfinger, PK4501MC

Paints/coatings: International Paints

Workboats: 2 x 8-person

Fuel capacity: 21m3

Freshwater capacity: 9m3

Crew: 6

Personnel: 10

