

Keel Marine provides Owner's with Independent Technical Expertise at each stage of the New Building Project in order to ensure that the Owner's interests are met and protected at all times. Our knowledge and experience allow us to carry out all technical aspects that our clients do not have the resources to meet, both in personnel and expertise. We fully integrate with the Owner's project team, providing them with independent technical representation. The Owner's interests are enforced by day-to-day monitoring of progress and constant review of the design and quality.



Typically Keel Marine would carry out one or all of the following services as part of their role:-

- Concept Design & Production of Vessel Specification or Statement of Requirements
- Assistance with Tender Evaluation & Selection
- Design Review & Plan Approval
- Build Supervision

These services are provided for a wide range of vessels sizes and types, recent examples have included:-

- Series of four 9m, High Speed Patrol Boats
- 20m Aluminum Work Boat
- Series of 30-34m Aluminum Patrol Boats
- Research Vessels
- Cabu Carriers
- Bulk Carriers

Concept Design

Closely liaising with the owner in:-

- Identifying Trade Constraints and Owners Requirements
- Preparing a preliminary design
- Preparing tender documentation
- Assisting in pre-qualification and choice of shipyards

All these ensure the owner's requirements and expectations are clearly defined and can be understood by potential builders.

Tender Evaluation & Selection

Making recommendations to the owner and providing information for their decision making through:-

- Clarification of tender documentation
- Assessing submitted tenders for compliance with owner's requirements and trade constraints
- Assessing a shipyards capability
- Assisting in technical negotiations with shipyards

Ensuring the owner is advised by an independent professional who does not stand to gain or profit in any manner by having a sale agreed.

Design Review & Plan Approval

Keel Marine undertake a detailed examination of the design and plans to ensure best industry practice is followed in order to produce a safe, efficient vessel that is fit for purpose.



Our detailed examination ensures:-

- Design complies with contract specification, shipyard standards and statutory requirements
- The design is fit for purpose, including operational and maintenance considerations
- Quality of the design meets the Owner's expectations
- Over complexity is removed from the vessel at the design stage
- Early identification of potential build problems allowing them to be resolved with minimum impact to build budget or schedule
- Identification of areas that will require additional supervision focus during the construction phase
- All correspondence and drawings are monitored, managed and controlled throughout the process



Construction Supervision

As owner's representative on site Keel Marine's personnel are:-

- Ensuring the vessel is built to contract drawings and specification, and to shipyard standards
- Ensuring good shipbuilding practice and quality of construction
- Ensuring suitability of the detailed construction for operation and maintenance
- Monitoring build progress and compiling progress reports enabling accurate project planning
- Ensuring payments to the shipyard are only made when the appropriate milestone criteria has been satisfied
- Monitoring classification society inspections
- Offering assistance to the builder in solving any arising problems
- Reviewing any changes to the design
- Confirming the vessel is 'ready for acceptance'

This combines to ensure delivery of the owner's vessel is to specification, on time and to budget.