

## Design Service:

**Step 1. The Design Statement.** - Define the purpose of the boat and quantify and list the major design attributes in decreasing order of importance. Include a measure of merit for the vessel, if needed. **Cost:** Free!

**Step 2. The Conceptual Design Phase.** - This step determines *whether* the boat described in the design statement is *feasible* and how you will have to modify the stated goals in the design statement to achieve a successful boat design. Principal dimensions, general arrangements, major weights items, and powering options are chosen and concept drawings are produced. This information is often included in a design proposal which is submitted. **Cost:** \$500.00 USD for all conceptual design work for vessels under 15m.

**Step 3 The Preliminary Design Phase.** - This step determines the details of exactly *how* the boat will implement the results from the conceptual design process. The hull shape is finalized and more exact calculations are performed, including stability, performance, and structural calculations. **Cost:** A percentage of the estimated total value of the project.

**Step 4. The Detailed Design Phase.** - This step is concerned with producing the "deliverables" of the design project: 3D model, kitset files, CNC files, arrangement drawings, structural drawings, construction details, and specifications. **Cost:** A percentage of the estimated total value of the project. ( Depending on classification - between 3.5 to 6 %)

## Design Classifications:

- Det Norske Veritas -DNV
- Lloyd's Register
- Germanischer Lloyd
- NSCV -USL
- Marine Safety Authority - NZ
- IMO
- & Others

## Design Services:

- Design Project Management
- Naval Architecture
- 3D Modelling - Visualization
- Engineering
- CNC file creation
- Hydrostatics

*We tailor our service to meet your requirements.*