

11. BASIC DESIGN

We carry out 4-6 basic design tasks for different types of vessels every year. Again an unbeatable track record. The big volume, references, combined with high quality end products, built ships, gives us a good starting point for any kind of basic design task.

Basic design prepared by Deltamarin is a good tool for the Shipowner to reach the intended vessel configuration even when working with a less experienced shipyard. The basic design package includes all the required design disciplines:

- **General part**
- **Model tests**
- **Design criteria**
- **Hull classification**
- **Hull outfitting**
- **Interior**
- **HVAC**
- **Machinery**
- **Auxiliary machinery**
- **Electrical**
- **Procurement**

Other special studies and calculations can be included as requested.

The basic design procedure of Deltamarin includes typically also classification and flag authority approval procedures.

Deltamarin's Basic Design Working Procedures and Quality Assurance System ensure that the project is completed in the intended time cost frame. A project related quality assurance manual, the so-called "C-manual", is prepared for each basic design project and it defines the scope of work, drawing lists, organisation, schedules, follow-up, work break-down structure, meetings, etc.

The level of documents will be based on reference drawings or standards submitted by the client or alternatively on Deltamarin level and standards.

The scope of a basic design will be adjusted in accordance with Client's requirements and specific nature and type of ship. Standard list of documents and tools and reference material give a good and easy starting point.

Site assistant can be arranged as needed.

If project design is based on a product model (see item 3.3) basic design will use the same model of the vessel; only the amount of information increases to the level agreed upon with the Client.

Selected Customers:

Brittany Ferries, Color Line, Strintzis Lines, Aker Finnyards, Hellenic Shipyards, Howaldtswerke-Deutsche Werft, Kværner Masa-Yards, INMA, Nuovi Cantieri Apuania, EffJohn, Astilleros Españoles, E.N. Bazan, T. Mariotti, Fosen Mek. Verksteder, RCCL, IHC