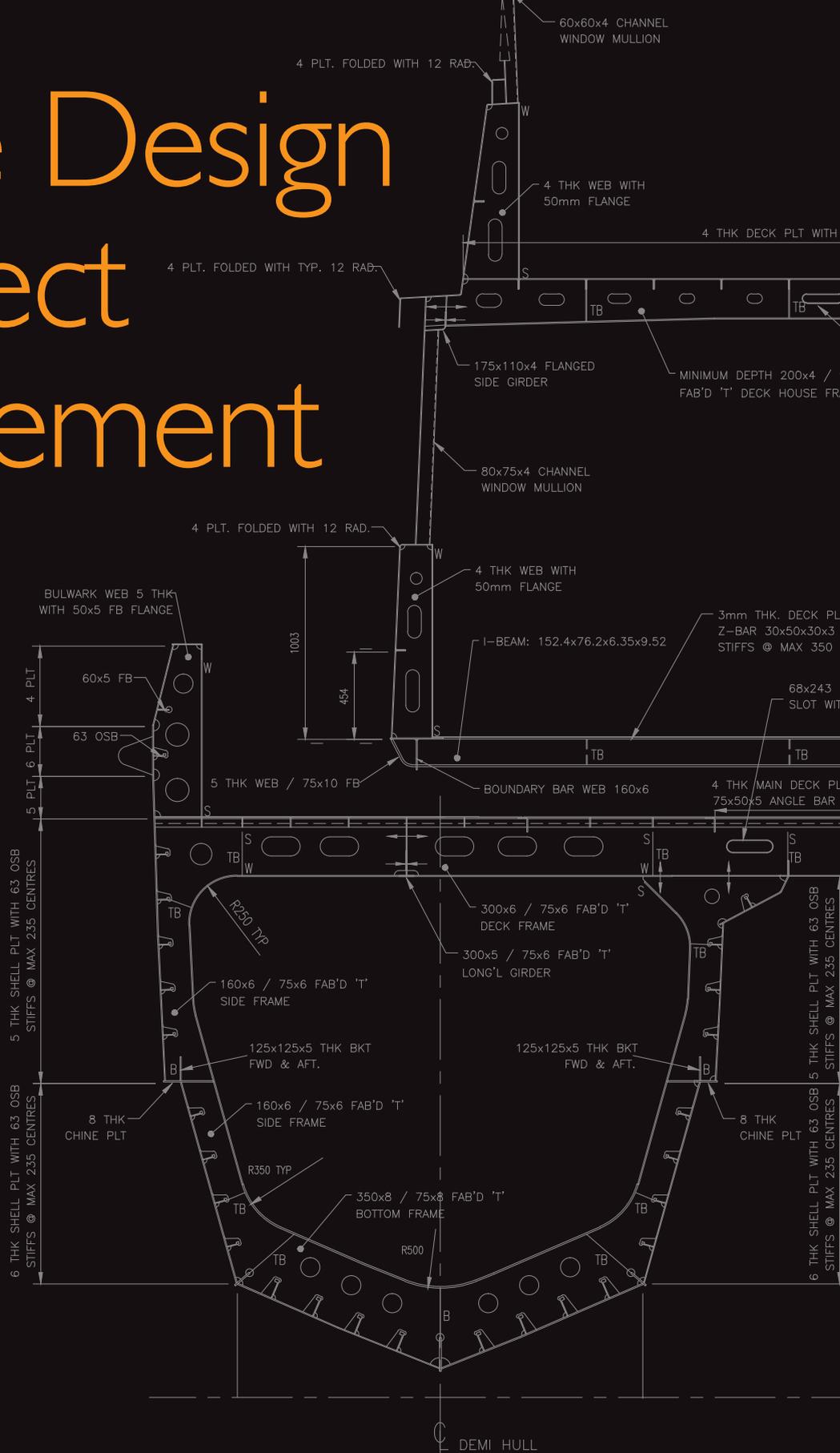


# Marine Design & Project Management



bespoke  
design &  
consultancy

**ALICAT MARINE DESIGN**

Tel +44 (0)1794 329248/01983 280030

www.alicatworkboats.com www.southboatsiow.com



# We are a British based Design Consultancy practice based in Southampton, UK, focusing on designing high speed craft for the workboat sector

## Alicat Marine Design:

- Design
- Naval architecture
- Project management
- Concept design
- Structural analysis
- Classification societies
- Design review
- Model testing

## project management

In addition to our design consultancy, we also provide project management services that include:

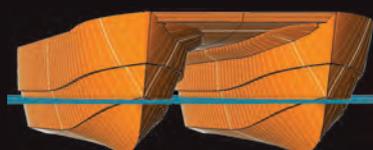
- DNV submission & liaison
- Refit - costing, design and procurement
- Manufacturing - small craft, transfer devices and commercial contracts
- Production support – Onsite advice and supervision
- Vessel specification development.

## stability

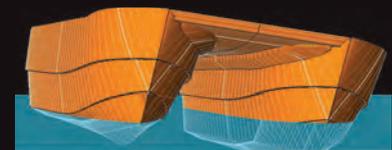
Alicat Marine Design specialise in stability analysis of ships and small craft.

We will create an accurate weight estimate of the vessel and conduct the necessary intact and damaged stability cases for the relevant class society. We will then carry out a lightship survey of the vessel and create a stability book. We have the necessary experience of this process for both new builds and ships in operation.

We are the only design practice to meet the requirements of MCA Cat I on a DNV certified vessel.



Intact stability



Damaged stability



## classification societies

Alicat Marine Design have worked on a vast number of projects with a variety of class societies. Current projects include:

### Delivered

- 9 DNV ✕ IAI HSLC R2 Wind Farm Service I, MCA Cat I
- 2 x Lloyds Register ✕ I00A1 SSC Workboat, HSC, G3 MCH, MCA Cat 2

### In Build

- 4 x DNV ✕ IAI HSLC R2 Wind Farm Service I, MCA Cat I

### In Design

- 3 x DNV ✕ IAI HSLC R1 Wind Farm Service I, MCA Cat I
- 1 x BVI DP2 Ship Retrofit

In addition to these craft, we also have considerable experience working with various certifying authorities to meet flag requirements. With the expansion of wind farms in Europe we have the capacity and expertise to convert existing UK flag, MCA vessels to class approved vessels. For you as the customer it gives exposure to a larger market place and increased day rates.

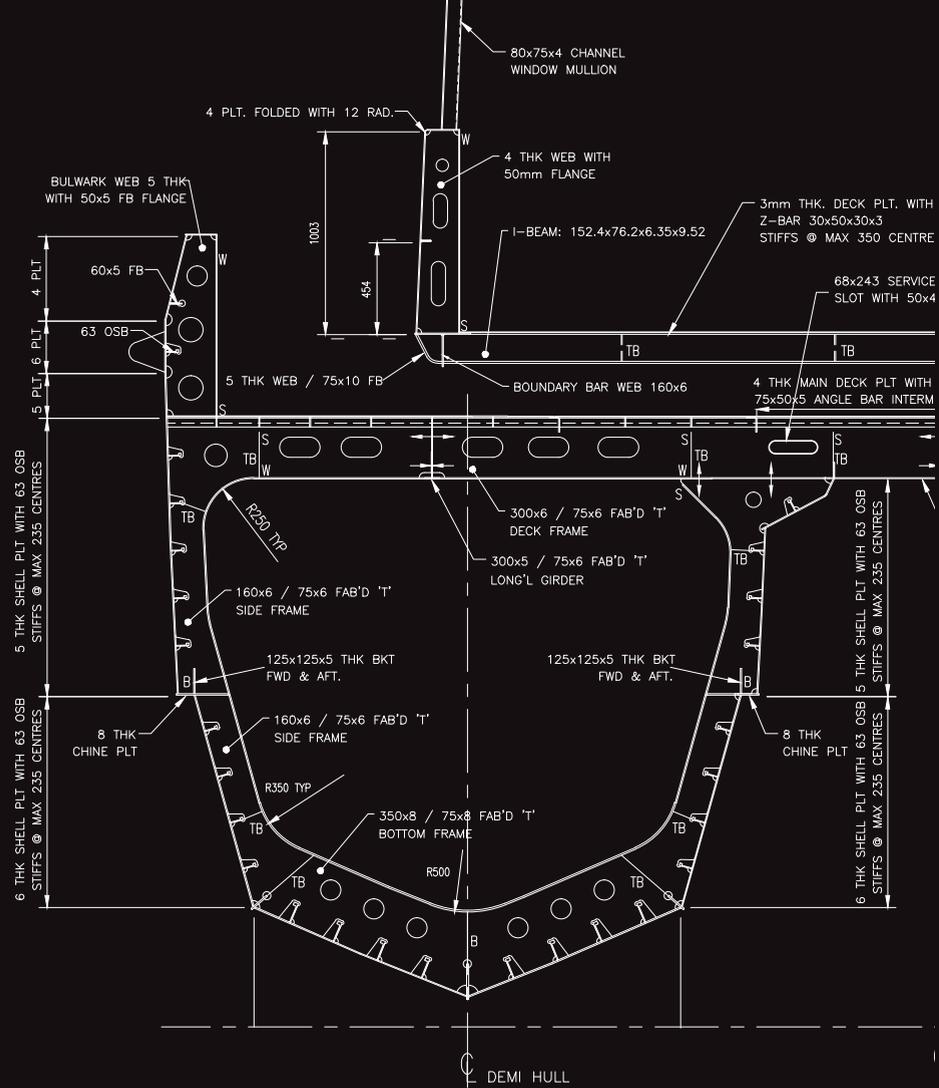
From small high speed craft to commercial shipping, we have the expertise to help solve your design and operations problems

## design for production

Due to the relentless and brutal environment in which wind farm service vessels operate build quality and reliability are of paramount importance.

Our Naval Architects have a constructive relationship with the fabricators and boat builders at both Alicat and South Boats IOW yards. This relationship ensures we create high quality CAD drawings for every aspect of the vessel.

This resource is available for design to the wider commercial market.



## sea-keeping and hull resistance

Alicat Marine Design, along with our partners, have a comprehensive data range based upon scaled model testing carried out on various catamaran, semi-SWATH and SWATH hull forms.

This data can be interpolated for almost any size or style of catamaran design. We have recently used this data to design the new South Boats 22m and 28m vessels. If you have any specific catamaran hull requirements we can use our knowledge and data to provide you with a superior hull form.



### ALICAT MARINE DESIGN

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