

Almost his whole life Jelmer Wijma is spending a lot of time on the water sailing different kind of boats. The last few years many regattas, including five national championships, were won in the beautiful one design Dutch class "Vrijheid" (liberty).



It goes without saying that Jelmer started studying naval architecture. After graduating the Haarlem Polytechnical Institute in the Netherlands, Jelmer started his career as surveyor for assessments according to the European Recreational Craft Directive (CE marking).

During this period he visited hundreds of boat builders and became familiar with the boating industry world wide. He visited boat builders for performing inspection in many European countries, Australia, South Africa, China, Turkey, Thailand, America, Romania, Egypt and several other countries.

With his enthusiasm for boats and his experiences and knowledge obtained in the boat building industry world wide, Wijma Marine Consultants can be of great support to quality yacht builders.

WIJMA **MARINE CONSULTANTS**

Wijma Marine Consultants is an independent consultancy bureau for the marine industry. It is the aim to offer high quality services for boat builders and yacht designers.

Wijma Marine Consultants has specialized his services in the following fields:

- Owners representative
- Project management
- Survey and Certification
- Structural design / assessments
- Yacht document management
- System engineering

Please do not hesitate to contact if you would like to discuss the services of Wijma Marine Consultants in detail.

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WIJMA **MARINE CONSULTANTS**



ABOUT

WWW.MARINECONSULTANTS.NL

SUPPORT TO QUALITY
YACHT BUILDERS





OWNER'S REPRESENTATIVE PROJECT MANAGEMENT

Wijma marine consultants offers owner's representative and project management services as an impartial, independent and quality focussed company. As the owner's representatives or project manager we can for example provide the following services.

Design phase:

- Advise a selection of shipyards and subcontractors.
- Compile in cooperation with the owner, designers and shipyard the building drawings and specifications of the yacht. These documents are very important for an efficient building process and can ensure good quality of the yacht.
- Conduct verification of budget control and the building planning.

Construction phase:

- Provide monthly (or weekly) reports to the owner about the building progress, budgets, decisions to take and current issues.
- Conduct regular surveys of the yacht and control quality during the construction of the yacht.
- Administer change orders of the yard or owner.
- Verify if the yacht is built according to the agreed contracts and specifications.

Delivery and testing phase:

- Conduct regular surveys of the yacht and control quality during the delivery of the yacht.
- Verify if the yacht is built according to the agreed contracts and specifications.
- Ensure in cooperation with the captain and crew that the yacht and her systems can perform without any problems.
- Compile a final list of required modifications based on tests and quality control surveys.

SURVEY AND CERTIFICATION

Product certification is the process of certifying that a certain product has passed qualification requirements stipulated in regulations such as a classification code and nationally accredited test standards, or that it complies with a set of regulations governing quality and/or minimum performance requirements.

Wijma Marine Consultants has experiences with classification, MCA, CCV (Dutch flag) and Recreational Craft Directive (CE marking) certifications. We can arrange all the required calculations and documents needed for the certification.

Wijma Marine Consultants can be of help with leading your organisation through the required procedures.

STRUCTURAL DESIGN

Wijma Marine Consultants provide structural design services for the marine industry. Many structural assessments were carried out for yachts in the lengths of 10 - 80 meter build in steel, aluminium, wood or composite.

We have experiences with the most common classification rules giving strength requirements and calculations methods. In some cases direct calculations are made showing compliance with the rules.

Putting some extra effort in the structural design can save a lot of money. A well designed structure can save material and labour costs and results in a weight reduction of the yacht. Good cooperation with the yard ensures that the structural design fits within their building process.

Please feel free to contact to discuss the structural design services more in detail.

OPERATION MANUALS

Wijma Marine Consultants can provide a very exclusive operation manual for your yacht. Systematically all the installations onboard will be extensively described. Together with detailed photos a good and safe operation of your yacht is explained in a clear way.

The manual includes safety and environmental warnings for the owner and the crew.

Especially in case of product liability the operation manual can be of great help for the yacht builder, but of course the aim of the manual is to inform the owners and the crew about good and safe use of their yacht.

It is also possible to arrange a safety video for the guests and crew explaining the safety procedures onboard.

SYSTEM ENGINEERING

Good documentation of your building process will improve the quality of your yacht. Also it will improve the efficiency of your building process. As many boat builders are focussed on the building process of the yacht no time is available for the technical documentation.

Wijma Marine Consultants can provide system drawings showing all the components and piping. Together with a part list an efficient and good quality building process can be ensured.

Clear system drawings are needed for a safe operation of the yacht. In case of an emergency quick decisions have to be made by the crew and in this kind of situations the system drawings can be of great help. Clear system drawings can also save a lot of time during a refit.

Wijma Marine Consultants is happy to provide the engineering of the systems of your yacht.