



INFINITY SHIP DESIGN



ABOUT US

As an independent studio, we provide our naval architecture and engineering services to :

- Shipyards
- Naval architecture and design offices
- Ship Owners and owners representative
- Brokers
- Maritime Consultants

SERVICES

Our comprehensive suite of services ensures seamless execution from concept to completion and covers:

- Naval Architecture
- 3D Modelling
- Marine Engineering
- Reverse Engineering
- Production Engineering
- Systems Engineering
- Design and styling
- Class approvals
- Ship Physical Inspection
- 3D Scan

EXPERIENCE

Drawing upon a cumulative team experience exceeding 25 years, we have achieved exceptional results taking part in the construction of 40 new yachts and the refit of 10 existing vessels. This extensive track record positions us to seamlessly apply our expertise to a wide spectrum of projects, encompassing new yacht builds, yacht refits and conversion vessels.

**Specialized in naval architecture,
engineering services and yacht design.**

WHY WORKING WITH US ?

- Our expertise equips us to steer your project through intricate challenges with precision.
- We listen, collaborate, and adapt our expertise to your specific needs.
- We provide customized technical solutions.
- We are always available and open to new challenges
- Whether it's a complex refit, conversion project, or a new construction, we're adaptable to your needs.
- Our integrated approach to naval architecture and engineering ensures that every detail is meticulously accounted for.
- We are focused on quality and delivery schedules.
- Working with us means active collaboration, open communication, and a commitment to understanding your vision, resulting in an end product that truly reflects your aspirations.
- Confidentiality: Trust is at the core of our relationship, and we treat your information with the utmost integrity.
- Core Values: Honesty, fairness, confidentiality, loyalty, and respect are not just buzzwords for us – they're the foundation of our business.

CONTACT US



0040 740 942 428



sorin@infinityshipdesign.com



www.infinityshipdesign.com



Rosiorilor 481, Braila, Romania

Sorin Balaban

Naval Architect and Designer

DESIGN AND STYLING

- Concept design with preliminary general arrangement
- General arrangement
- Exterior design to comply with the existing construction.
- Exterior 3d model based on GA arrangement
- Exterior 3d model according with signed GA
- Artistic impressions and visuals, with renderings and walkthrough videos for exterior.
- Brochure with agreed renderings, which can be used for marketing.



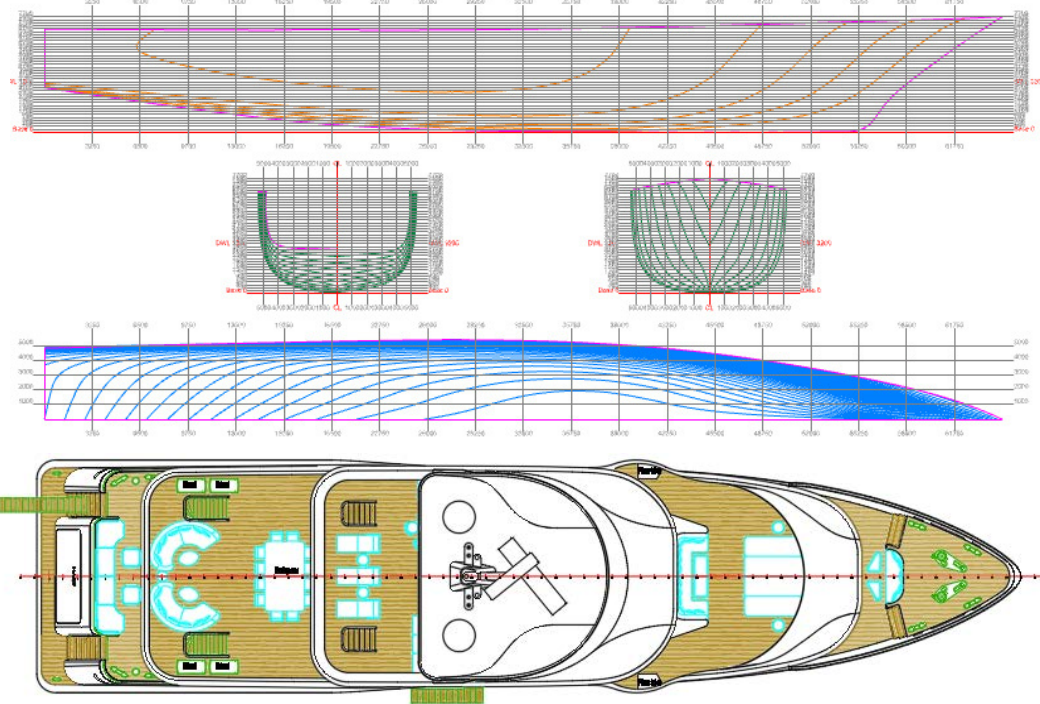
3D MODELLING

- Hull
- Superstructure
- Surfaces and linesplan fairing
- Exterior furniture
- Equipment modelling
- Structural modelling
- 3D structure views
- Arrangement proposals



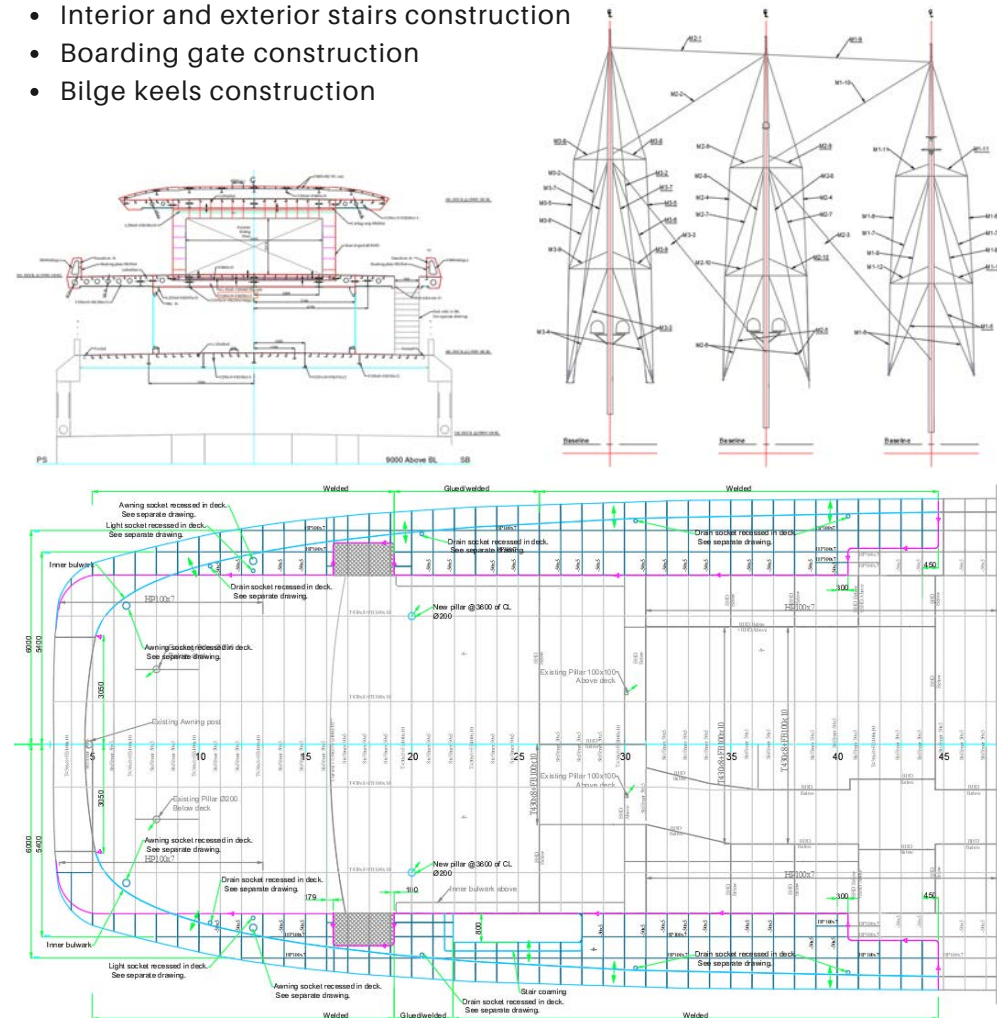
NAVAL ARCHITECTURE

- 2d and 3D Lines plan for hull and superstructure
- Weight and gross tonnage calculations
- All season load line mark
- Fire integrity and safety plans according with class
- Stability booklet
- Tank plan arrangement including capacities
- Visibility line wheelhouse view
- Navigation light plan
- Escape route plan
- Mooring plan
- Freeing port area and calculations
- Building specifications
- Preliminary longitudinal strength calculations
- Watertight bulkhead position arrangement
- Equipment number calculation
- Lifesaving plan
- Freeboard assessment, including opening and bow height
- Main transverse watertight bulkheads hull



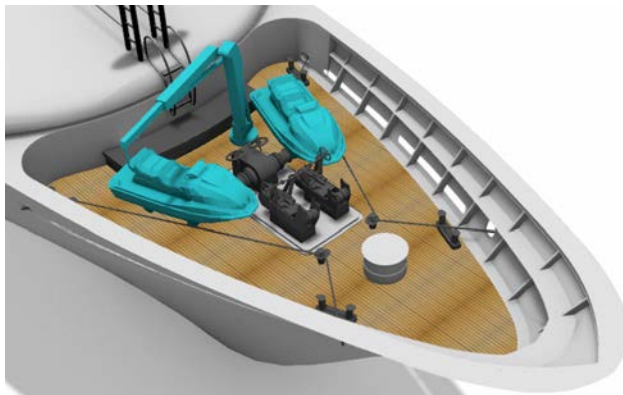
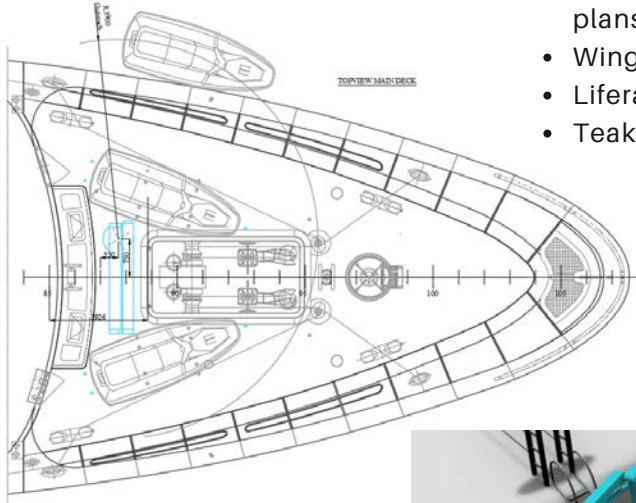
ENGINEERING

- Technical arrangement
- General construction plans for hull and superstructure
- Detailed construction drawings per section
- Shell expansions
- Drawing package for class approval for the hull and superstructure
- Equipment plans in consultancy with client/shipyard/suppliers.
- Bulwark construction
- Jacuzzi and swimming pool construction
- Crane arrangement and construction foundation
- Construction for fixed exterior furniture
- Interior and exterior stairs construction
- Boarding gate construction
- Bilge keels construction



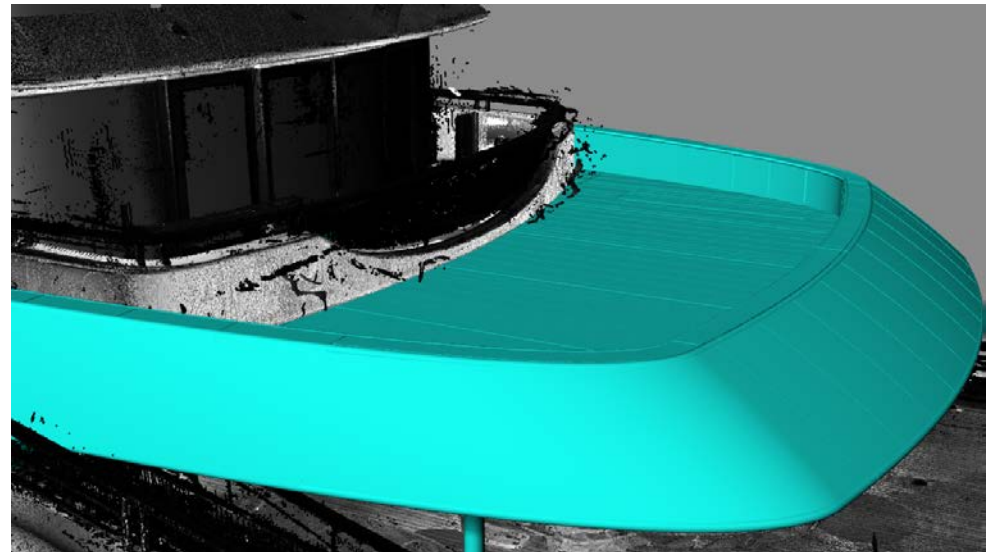
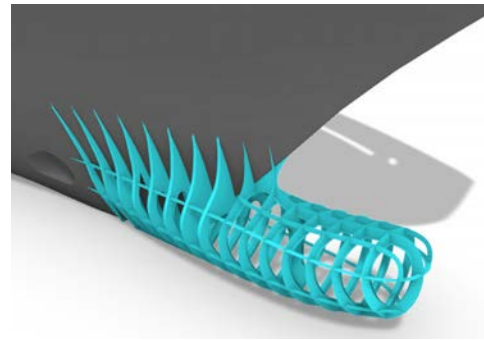
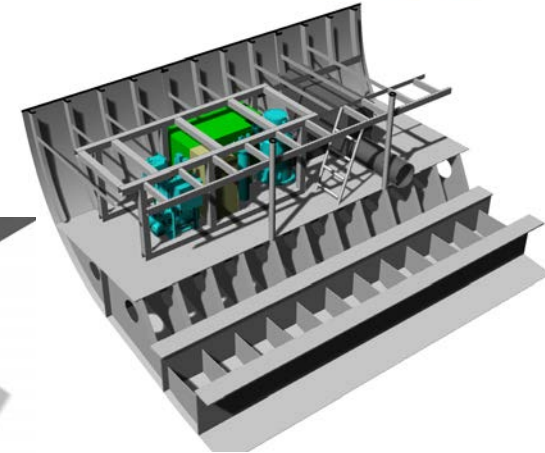
ENGINEERING

- Flag pole design and construction
- Hull doors arrangement plans
- Scupper plan
- Awning plan
- Bollards and fairleads plan
- Lights plan
- Zinc anodes plan
- Tender garage arrangement
- Pasarelle hatch
- Engine room ventilation
- Mast construction
- Antenna plan
- Exterior hatch and doors plan
- Windbreak doors
- Navigation side lights
- Caprail arrangement
- Railing plan
- Deck wash and fire hydrants plan
- Stainless steel plan
- Stabilizer arrangement
- Bow thruster and stern thruster arrangement
- Anchoring arrangement
- Boarding ladder arrangement
- Interior and exterior stairs construction
- Deck inserts/foundations for equipments
- Exterior and interior ceiling plan
- Propulsion and driveline arrangement plans
- Rudder and steering arrangement plans
- Wingstation
- Liferaft arrangement
- Teak plan



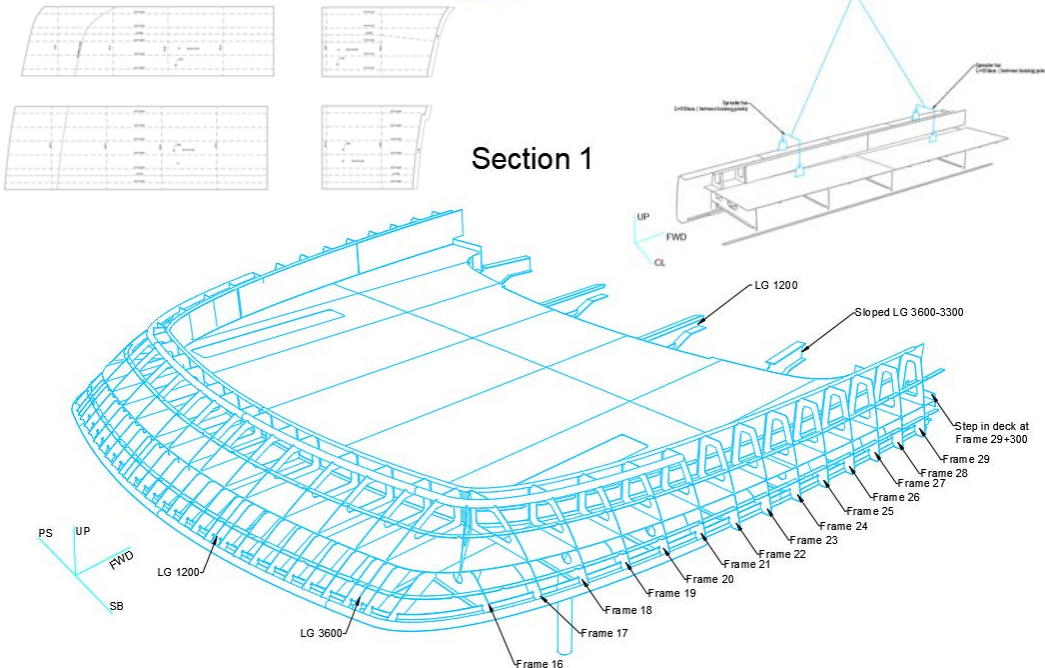
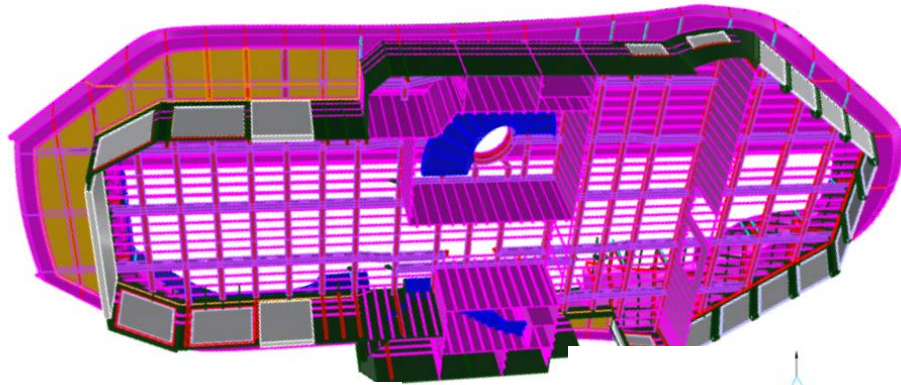
REVERSE ENGINEERING

- Physical Inspection
- Generate accurate 3D model from 3D point cloud
- Evaluate existing arrangements
- Generate structure
- System and equipment integration
- Investigate Removals and New construction
- Generate Weight calculation
- 3D Scanning



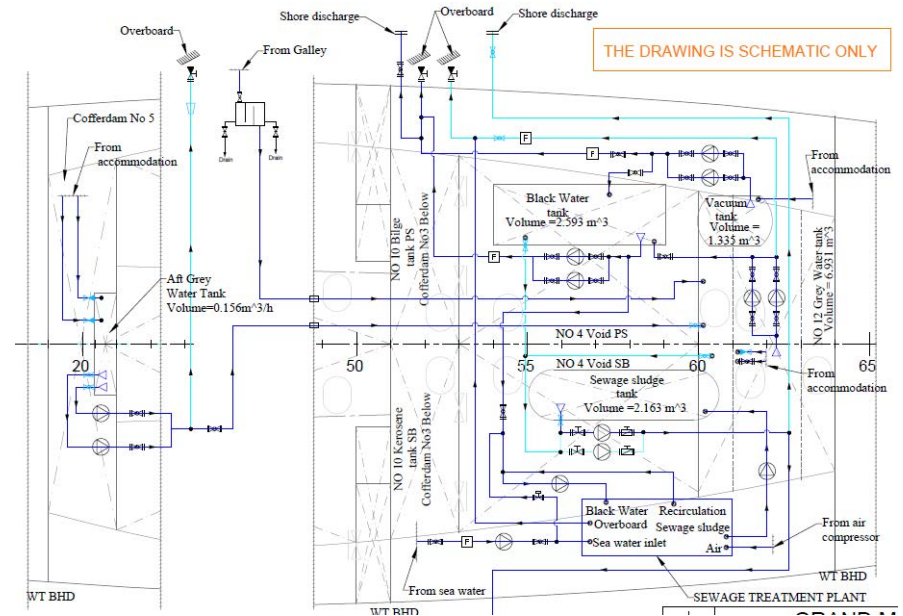
*PRODUCTION
ENGINEERING*

- Detail technical drawings for production
- Parts nesting
- Isometric sketches
- 3D Structural Modelling
- Profile Reports
- Bill of Material
- Phiscal Inspection & Reports
- Building sequence & Assembly drawings
- Section lifting points



SYSTEMS
ENGINEERING

- Systems Design
- Technical Diagrams
- Pipe Routing
- Isometric sketches
- Equipment check
- Engine room lay-out





INFINITY SHIP DESIGN

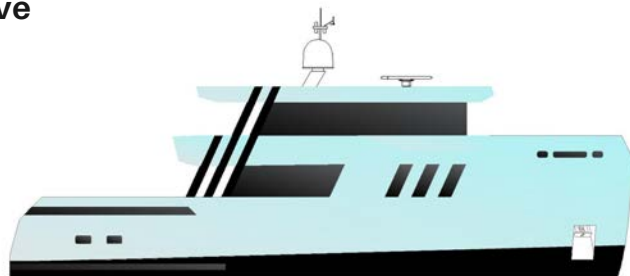
The following projects are concept and designed by us, for which we will offer a complete package :

- Basic and conceptual design
- Naval architecture
- Exterior Styling and Artistic impressions
- Structural drawings
- Production drawings
- Outfitting
- Systems

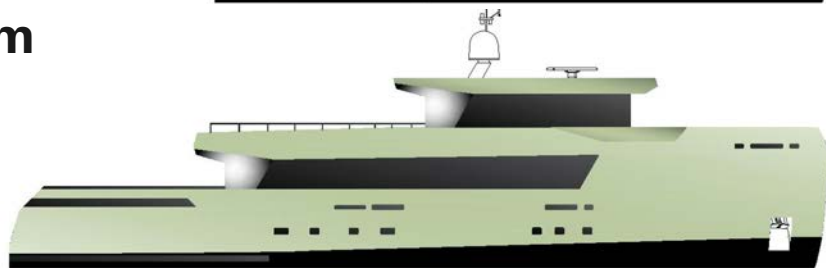
Our team will ensure a close collaboration with :

- Interior designers
- Shipyards
- Suppliers
- Client representative

MY 28m



MY 37m

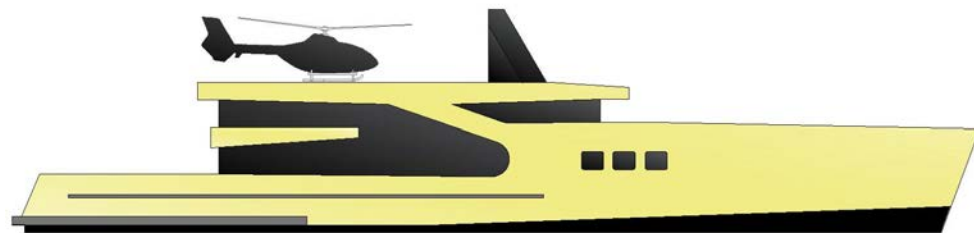


MY 44 m



New build designs concepts

MY 54 m



MY 56 m



MY 60 m - yacht support



MY 100m - Black swan





INFINITY SHIP DESIGN

New build designs concepts

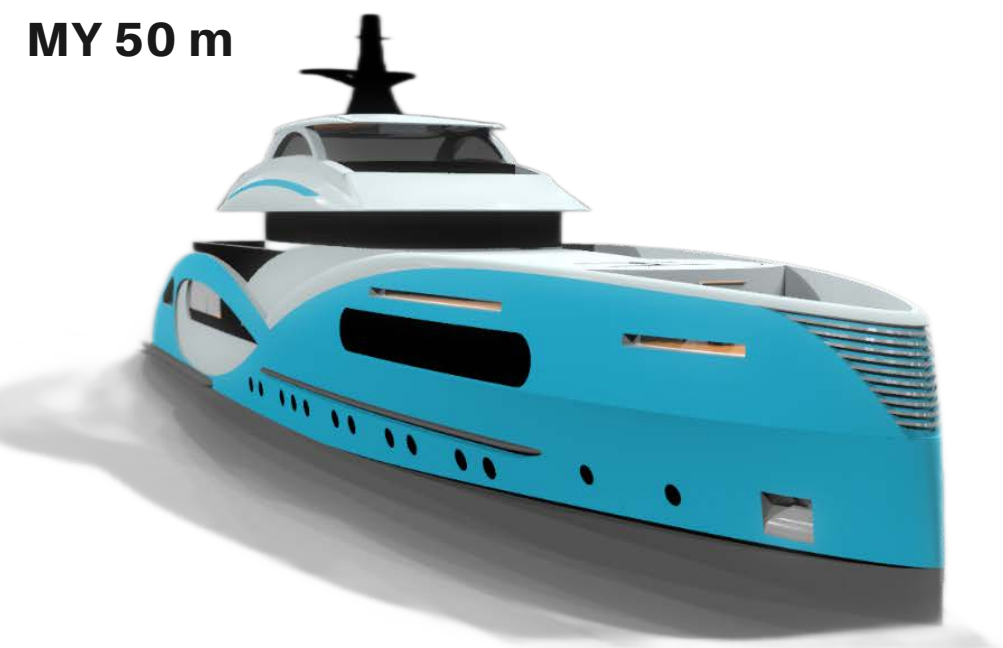
MY 64 m



MY 42 m



MY 50 m



MY 54m



Portfolio projects as subcontractor

Refit - MY 85 m



Subcontractor for : Confidential

Project : Confidential

Project type: Refit with superstructure modifications

Shipyard: Confidential

Length: 85 m

Tasks:

- Structural modifications for new exterior design
- Basic and detailed structural construction drawing
- Production drawings
- Outfitting drawings(sun awnings,railing,exterior stair, etc)
- 3d modelling to incorporate new refit design concept
- Ensuring the technical integration of the engineering
- Ensuring designs adhere to project specifications and class rules;
- Weight calculations for removals and new construction
- Build sequence and lifting plans for new sections
- Ballast diagram
- Ballast water treatment plant

Refit - MY 97 m



Subcontractor for : Confidential

Project : PJ World Explorer

Project type: Refit with hull extension and new superstructure

Shipyard: Confidential

Length: 97 m

Tasks:

- Structural modifications for new exterior design
- Basic and detailed structural construction drawing
- Outfitting drawings
- 3d modelling to incorporate new refit design concept
- Ensuring the technical integration of the engineering
- Ensuring designs adhere to project specifications and class rules;
- Weight calculations for removals and new construction
- Cutting line for yacht extension of hull and superstructure

Portfolio projects as subcontractor

Motor yacht 62 m



Subcontractor for : Confidential
Project : Voyager
Project type : Refit
Shipyard: Confidential
Length: 62 m

Tasks:

- Onboard Physically Inspection
- Tank plan
- Fixed ballast tank plan
- General arrangement update
- Bilge diagram
- Sewage diagram and arrangement
- Heli deck fuel system
- Keeping constant contact with clients
- Ensuring designs adhere to project specifications and class rules;

Motor yacht 55 m



Subcontractor for : Confidential
Project : Samira
Project type : Refit
Shipyard: Confidential
Length: 55 m

Tasks:

- Onboard Physically Inspection
- Investigation, weight calculation and reports for :
 - Swim platform extension
 - Jacuzzi and sunbed on the sundeck
 - Bulbous bow
 - Crane and jet ski arrangement
- 3D modelling
- Systems impacted

Portfolio projects as subcontractor

Motor yacht 62 m



Subcontractor for : Confidential

Project : Confidential

Project type : Refit

Shipyard: Confidential

Length: 62 m

Tasks:

- Onboard Physically Inspection
- Checking integration for sewage treatment plant
- Checking replacement of ventilation fire dampers

Sailing yacht 53 m



Subcontractor for : Confidential

Project : Confidential

Project type : Drawings update

Shipyard: Confidential

Length : 53 m

Tasks: Drawings update

- Rigging plan Arrangement according with as built

Portfolio projects as subcontractor

Motor yacht 57'6"



Subcontractor for : Confidential
Project : Confidential
Project type : New Construction
Shipyard: Confidential
Length: 57'6" (17.5m)

Tasks:

- Weight study of complete wooden structure
- Weight study of all equipments and systems
- Systems drawings for :
 - HVAC
 - Fuel transfer
 - Bilge, Fire and Seawater
 - Generator installation
 - Machinery arrangement

Motor yacht 55'6"



Subcontractor for : Confidential
Project : Confidential
Project type : New Construction
Shipyard: Confidential
Length: 55'6" (16.9m)

Tasks:

- Weight study of complete wooden structure
- Weight study of all equipments and systems

Feel free to reach out today!
We're here and fully prepared to assist you with our services.
**If you have any questions or wish to explore how we can address
your company's requirements, please don't hesitate to get in touch!**



0040 740 942 428



sorin@infinityshipdesign.com



www.infinityshipdesign.com



INFINITY SHIP DESIGN

