G70

TRIMARINE

VPLP Design

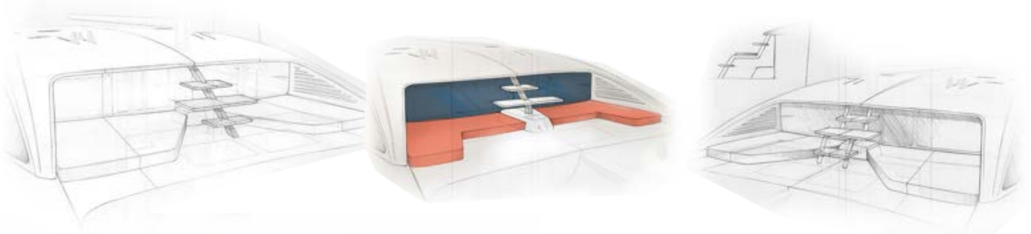
G70

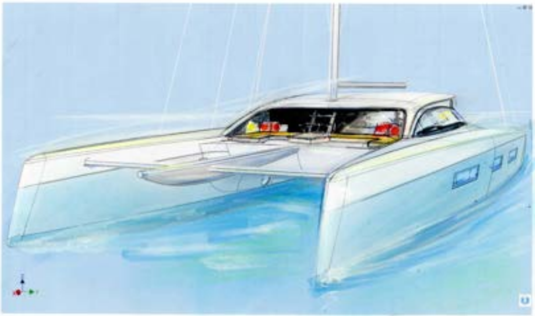
LIFE BEYOND HORIZONS

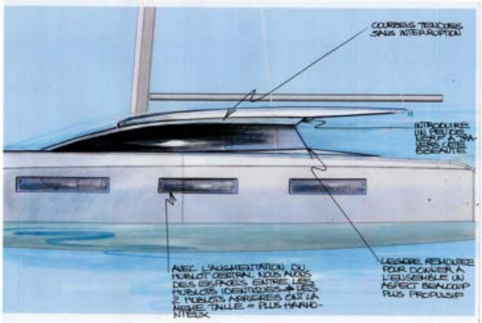
The Initial Design

From the vision of Gael Paclot, an aesthete and experienced navigator who gathered together a “concept team” to draw and then build his GP70.

The famous firm VPLP, together with Patrick Le Quément and Gsea design got together to develop the concept.







GP70

Main Characteristics

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Hull Length [LOA]	21 m
Light Displacement	17.5 T
Max Displacement	23 T
Max Beam	9.75 m
Draft	1.6 m
Air Draft	27.45 m
Upwind Sail Area	221 m^2
Downwind Sail Area	460 m^2
Hulls	Glass/Corcell/Epoxy
Superstructure	Carbon/Epoxy

Mast, Boom, Beams	Carbon Prepreg
Standing Rigging	Aramid SS Rod
Deck Hardware	Antal
Engine	2x Yanmar 80HP
Fuel	900 > 2000 L
Water	1100 L
Solar Panels	3 KWC
Wind Turbine	700 W
Generator	2 x 7 KW
Number of Berths	6 / 8

The initial concept had key priorities: Simplicity, Robustness, Reliability, Silence on board and potential for very long periods of autonomy at sea.

At the same time, the boat had to be light, offering excellent performances over long distances, yet with a small crew, while being elegant and refined, spacious and with superb accommodation

This is how the GP70 was born – For Fast, Timeless, Easy-Sailing across the Oceans

An Escape From World's Fury

A large ocean sailing boat is first and foremost a place of life, a privileged space of exchange with our guests, a place of meditation far from the fury of the world. To achieve this complex alchemy the living space must be precisely carved:

Visual Space and Sensation of Infinity:

Privilege of the catamaran, the daytime living space is in a dominant position on the ocean.

It is therefore important that this 360° view is magnified by all-round glazing, preserving intimacy in the port areas

Functionality:

Life on board must be respected! The kitchen is worth of a great chef, each cabin has large volumes, the saloon is a real lounge, both inside and outside, where you can read, meet friends or watch a movie.

It is possible to isolate everywhere on the boat on relaxing sofas with seaview on the sunset, or to fall asleep when fatigue is arriving.

Few boats offer three living spaces, independent and comfortable, where one can isolate without interfering with “other’s” life.

An Escape From World's Fury

Movement:

At sea, crossing an empty space is difficult or even dangerous, as passing through a large-area cockpit without any handrail or handgrip.

Going forward to maneuver or to enjoy these fine hulls splitting the sea must also be safe.

Special care has been taken in these details, proper of great boats!

Noise:

Every boat, due to its small size, is a place of noise concentration.

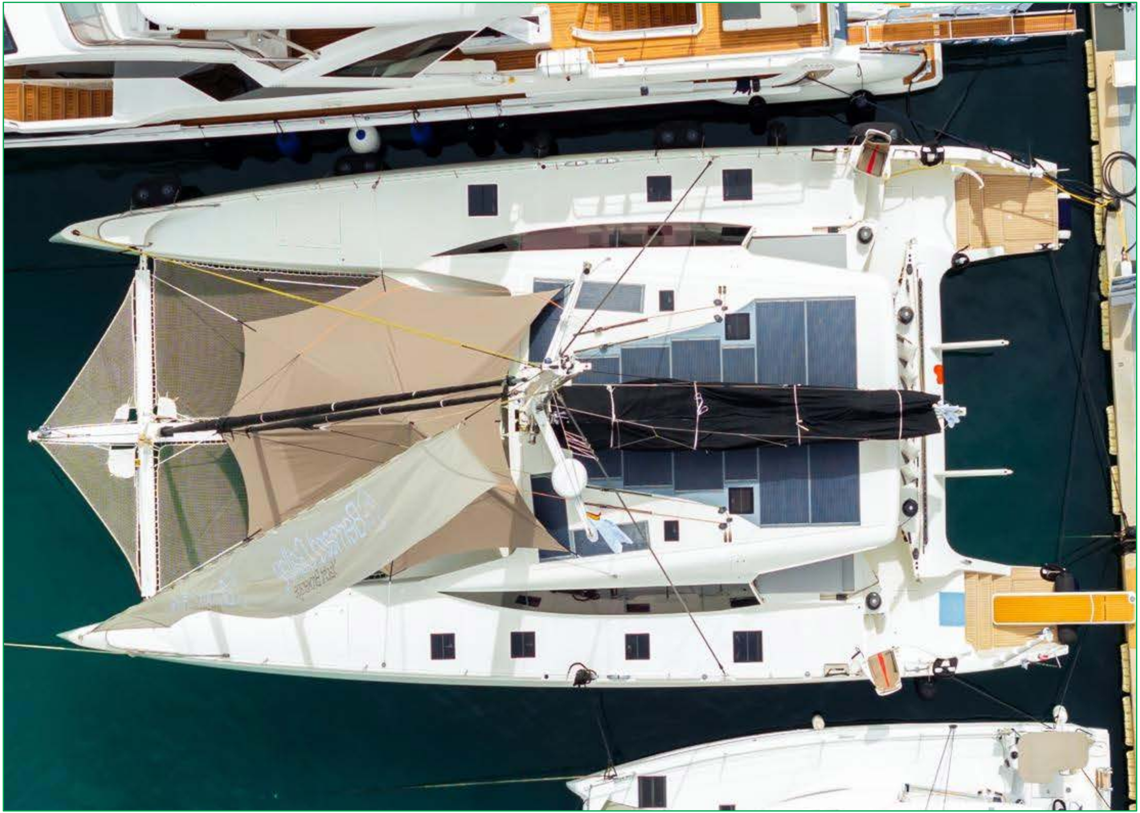
Accepting the sounds of the nature, the sea, wind, animals is pleasant, whilst those produced by our essential mechanical equipment is not.

Therefore, sound insulation was cared after far beyond the standards of series boats

Ventilation:

A point abandoned by most manufacturers, the intrinsic air circulation of our boats.

The GP70 is in first position when it comes to comfortable ventilation in all conditions, not only in good conditions.



Green Solutions

Sail in style and with conscience for the environment on the GP70, a sleek fast catamaran that harness the power of renewable energy for its electric needs.

The GP70 is a perfect solution for those seeking to minimize their carbon footprint while enjoying open waters.

Optimized Energy Efficiency:

Through reduced drag, and impressive power-to-mass ratio, we managed to achieve less fuel consumption, making every voyage a greener one

Energy Producer:

Equipped with solar panels and wind turbines, this multihull empowers you to set sail with peace of mind, making a positive impact on the environment.

Embrace the future of sailing with an extremely low carbon footprint

Incredibly Fast

The GP70 is designed to hold high average speeds with ease of operation for a small crew.

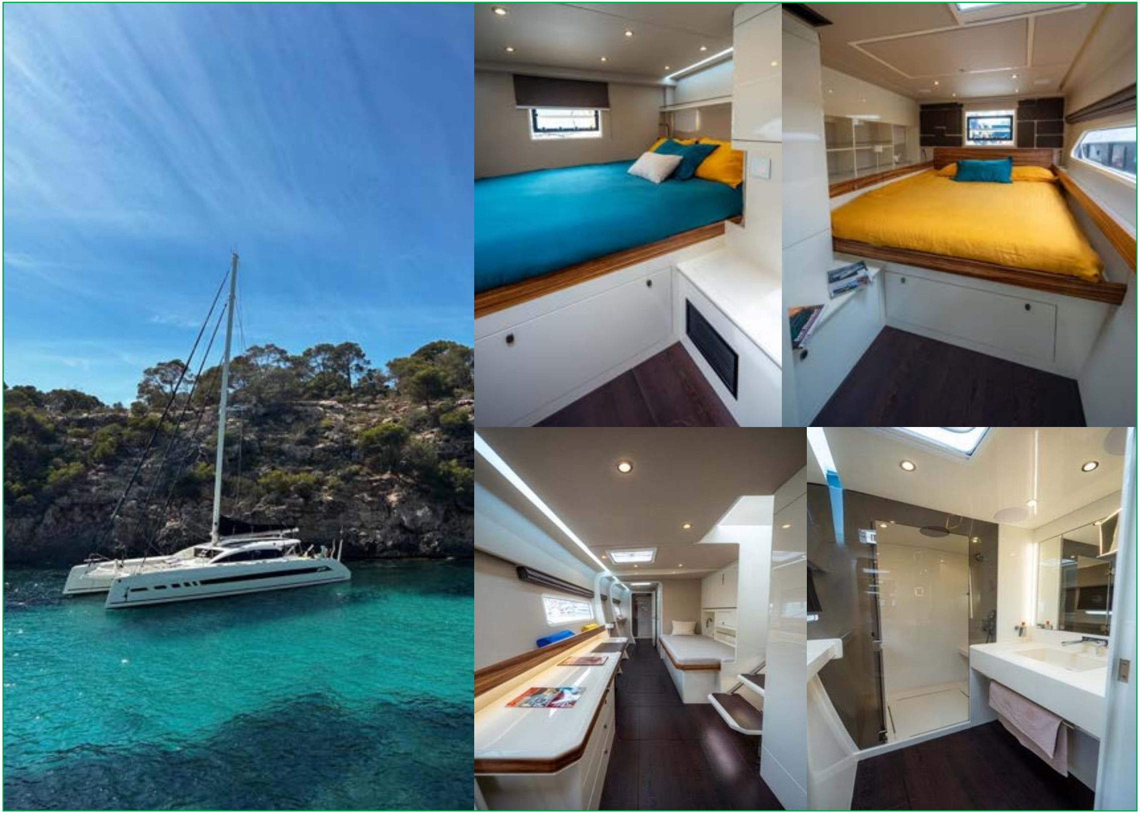
Appendages were optimized, superstructures aerodynamically studied and the rigging was developed to be efficient in all conditions.

Almost Infinite Autonomy

GP70 is an incredible adventurer, with the unfair advantage of almost infinite autonomy.

Capable of loading up to 2000 liters of fuel, it can sail for months before having to refuel.

Moreover, the clean and renewable energy generated by the systems, allows for reduced operating costs.



Highly Comfortable

Pleasure Sailing

Sailing Oceans with confidence or exploring the wonders of the arctic zone while enjoying spacious living spaces, high-end amenies, elegant interiors, safe from the vicissitudes of the external environment, is a privilege reserved to few.

Timeless Space

Take advantage of Air Conditioning or Heating, within a modern, decluttered visual space.

From the wide transom for ocean access, the open space protected by the bimini, the well thought-out storage areas, it is clear that Aestethic and Functionality meet, thanks to extensive studies on materials' harmony, colors and high-quality equipment.

Safety First

The GP70 is structurally unsinkable, even in case of major water intake its structure is insubmersible

Its shallow draft makes avoiding reefs and shoals a breeze, difficult to reach areas are now accessible and its hulls can safely "sit" on the sand in shallow bays.

Thanks to its superb max speed, the GP70 can stay cleat of depressions and easily escape cyclones' dangers.

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High Tech Vessel

TRIMARINE

A State of the Art boat, designed with the latest Hydrodinamics techniques, boasting Elegant yet High-Performance shapes

Aeronautics and Racing Sailboats Techniques:

The pursuit of Strenght and Lightness without compromise results in extensive use of Carbon Fiber and Epoxy Resin, ensuring also optimal longevity.

A Carbon Mast, Boom and Textile Rigging furthermore lighten the upper parts, reducing pitching

Best Technologies:

Integrel Electric Generation System intelligently replace the overly heavy generator set

Energy is conserved through customized large energy consumers and the use of new Vacuum Insulation Systems

High-Efficiency Solar Panels, Wind Turbines, Lithium Batteries and latest generation Control Electronics ensure comfortable and Self-Sufficient Life on Board

Two Water-Makers are installed in the boat, with an additional mineralizer with a dedicated tank to produce mineralized water on board.

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General Arrangement

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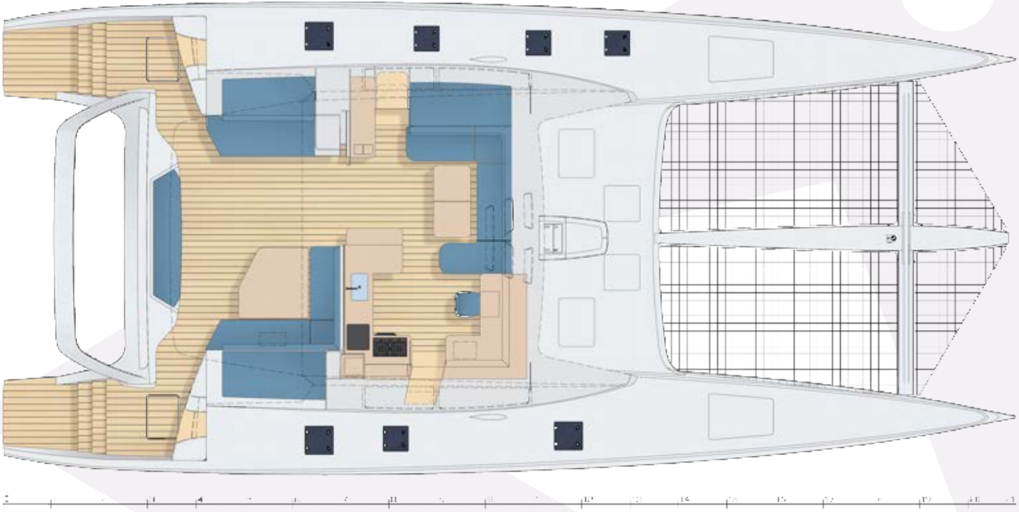

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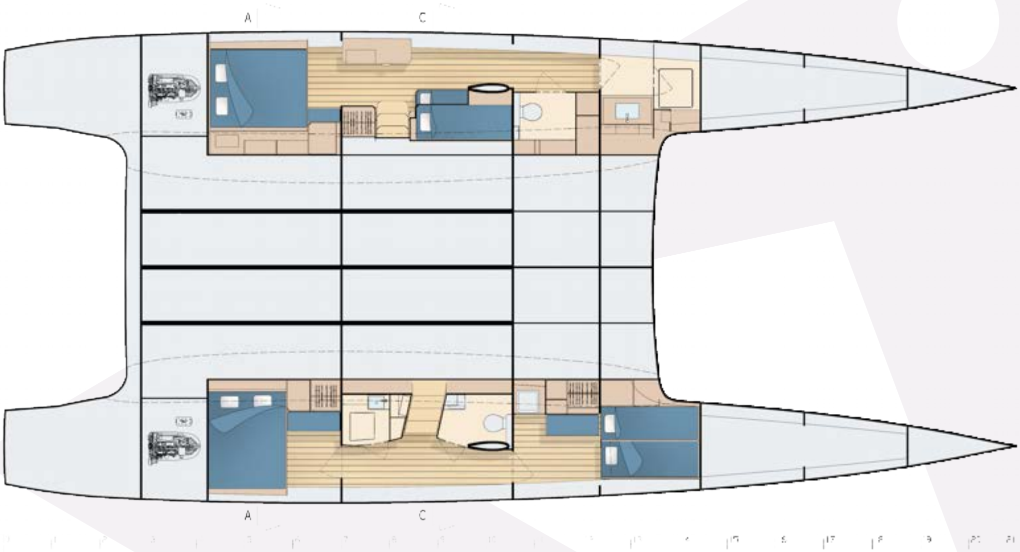

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Why Trimarine

40 Years of experience in the boat-building industry

Specialising in the Construction, Process Engineering and Systems Design of racing vessels and high performance yachts, using advanced composite techniques and materials

Notable Cruising Multi-Hulls from Our Past:

VPLP 77' - Coriolan VI

LeRouge 57' - Obi One

Nigel Irens 64' - Adrenalina Pura

www.trimarine.com

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