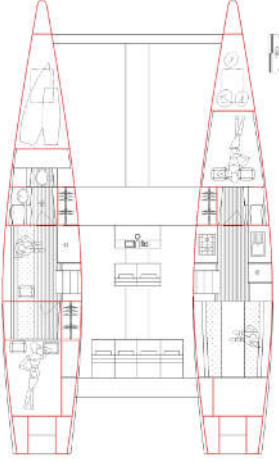


THE BOAT

interior layout



characteristics

Loa : 11,90 m
 Waa : 7,08 m
 Hull width : 2,08 m
 Draft : 0,42 m / 1,30 m
 Max kite area : 90 m2
 Solar panels : 24 m2
 Electric engine : 2x10 kw
 Max "electric" speed : 9,6 kts
 Autonomy at 5 kts : 10 h
 Light displacement : 3800 kg
 Max displacement : 5500 kg
 Berths : 6 p
 Transport : by 40' container

the boat yard

Located near the Neuchâtel Lake in Switzerland, the boat yard takes advantage of a pool of resources and competences that favour development of innovative projects like "solar impulse" or "planet solar".

Atelier : Sam De Carolis Works
 rue des grands longs champs,
 1562 Corcelles, Suisse



the team

Mathis Rühl : concept, naval architecture, design and marketing
 Ref : Vismarmarine

Samuel de Carolis : development and construction
 Ref : Pike Kiteboards, Nidecker, Solarimpulse, Decision, Advance

Robert Graham : conception kite
 Ref : Advance, Gin

Mark Wüst : advisor for electro-solar system
 Ref : MWline, Sun 21

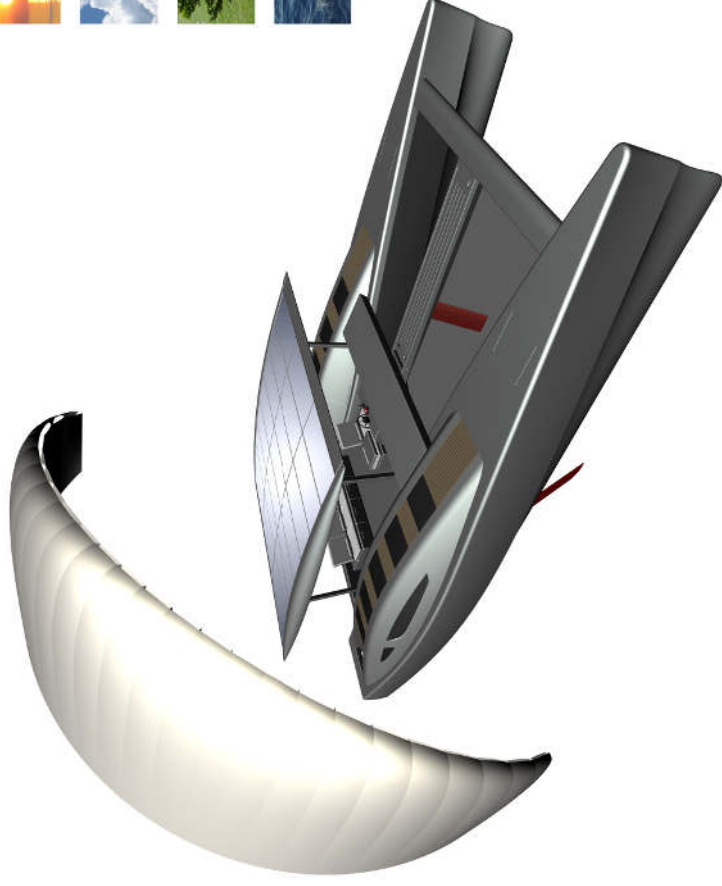
Marlina Flueckiger : marketing
 Ref : Ferron8, LEK

contacts

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 Samuel de Carolis : +41 79 76 98 151 ; sam@pikeboards.com

^ M O N

... crossing the seas, without leaving traces ...



^ M O N

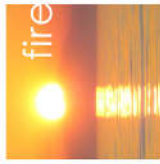
This project springs from this paradox of tourism : how to explore the most beautiful places of our planet without damaging them. Our approach is based on the pursuit of harmony with the elements of nature .

VISION



The marine world is both powerful and vulnerable. Caring and respecting it is vital, to preserve its balance and to avoid loosing control of the situation.

To live on the water, comfortably at the mooring and efficiently, while sailing; having a big surface to maneuver the kite and to spread the solar panels; an equation solved perfectly by the catamaran formula. The seamanship of the hull allows low water resistance and high average speed. Their gap guarantees stability and space for life on board. The inclined foils permit better dynamic behavior and higher speeds.



Cosmic energy, permanently covering half of our planet, the solar light is something human, have to deal with. To protect from it but also to recover its energy.

To catch, to transform, to stock, to use, ... the photovoltaic process is still at an early stage, but it can already be considered as a real vector of energy, capable of covering the needs of the propulsion and of the services on board. The solar screen provides for both: catching energy and protecting life on board from harmful rays.



Powered by solar radiation, the thermal exchanges of the atmosphere generate powerful air flows. These winds are a fabulous energy, exploited by human beings from the earliest times.

Why the choice of the kite ? The first idea is to seek for the wind aloft, where it is stronger and more consistent. The second aims for the "virtuous spiral" of the lightness: the rig, its weight, its windage, its strains are not necessary anymore. The driving force is transmitted only by a line; parasitic efforts are eliminated and the construction can be lighter.



The industrial research on materials has always taken inspiration from the vegetable world. But today, the global cost for hi-tech material production is no longer acceptable. It becomes therefore a priority to use in an optimised way the products already produced by nature. It is a return to the basics.

The construction principle of sandwich composite is still the most interesting mechanically. It becomes ecologically viable by the use of flax fibres, by resin containing natural components, and by cork core. Minimalistic interiors will favor material like FSC certified woods or bamboo.

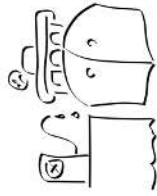
The AMON concept, definitively oriented on the respect of the environment, is not only the answer to these - private or charter companies - sensitive to the future of our planet, it gives concrete advantages:

APPLICATION



COMFORT :

electric propulsion allows to sail practically without noise, vibrations, smells, heat, or maintenance...



AUTONOMY :

Independence from fossil energy is not only ideological, it gives a real autonomy at sea and at the mooring. You can fill up everywhere in the world....



PRODUCTIVITY :

when the boat is not used - which can represent a very big part of time - it remains useful by producing electricity that can be sold on the urban electrical network.



UNRESTRICTED ACCESS :

more and more fragile navigation areas such as lakes, coastal perimeters, islands or lagoons, are ruled by restrictive regulations which allow access only to "clean" boats....

Initially imagined as a true bluewater cruising platform, this catamaran is as well adapted for other uses like sporty sailing, in its kite only configuration, or, in its pure electro-solar, for easy clubbing, day chifter or scientific observation....



A M O N