



FOCUSING ON INNOVATION BY **YACHT CONCEPT** & **CHANTIER DE L'ARSENAL** BY LAURENT IMBERT, EUROMERE



BACKGROUND

In 2004, Yacht Concept started the development of a new range of Day-charter yachts giving total freedom to customers offering custom boat size, capacity, hull design, colors, deck, and equipment, just pure liberty!

The idea was to specialize their Ship Yard in the production of tailor-made boats for Day-charter or passenger operation, without the limitation of a serial production based on the usual mold-building!

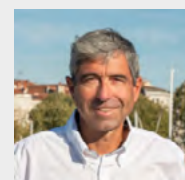
Once that said, they just decided to make it!

I remember very well that period when Laurent Da Rold and Jean-Philippe

Houot, both Owners and Engineers at *Yacht Concept* and *Chantier de L'Arsenal*, explained their goals and pointed out the challenges they were facing to develop and produce quality Yachts industrially, the fastest way possible, providing both performance, attractive design, and tailor-making abilities. With my experience in more conventional shipyards around the world, I can say that I was quite puzzled but enthusiast! In addition, when they told me "This will be done without any mold", I really started to think about what I knew in Shipbuilding. I knew that some companies were producing large composites fishing boats without molds. However, I still had doubts, thinking that this "Mold-less" concept would be so expensive, or so

hard to obtain the required surface quality finish, and that the process would be too complex to produce multiple boats per year. I was wrong... Laurent, Jean-Philippe and their team overcame all challenges and developed an incredible process to answer all their needs.

I must say this is very impressive – and I believe – quite an unique solution. Well done guys!



Laurent Da Rold



Jean-Philippe Houot

PROCESS WISE

Yacht Concept has started a true technological revolution in the construction of custom-made multi-hulls to answer the specific needs of day charter and passenger boats. There is almost no limits to the specialization as each boat is designed and produced from the specifications of the ship-owner. The client is part of every design choice, from the capacity of the boat to the deck layout and the engine choice!

Every boat is produced from scratch, on a unique composite structure. There is no mold so the size is really up to the need! The boat produced so far range from 50' up to 90' and everything is possible! Challenge them, you might be surprised!

Very simply said, the process starts with the production of boat sides, bulkheads, cross-beams and decks, all built in GRP-Sandwich infusion on a large and flat marble with high quality gel coat and resins, core materials and reinforcements to obtain light weight composite structures with the highest possible properties and long-lasting reliability for professional operation.

Then, it is just a mechanic construction, assembling parts all together, like a very large 3D puzzle! They made possible something that looked impossible. Every question has been answered, today it looks so simple, and this is amazing.

Finishing, especially on the outer hull, is quite intensive but they designed the process to keep it to a minimum. The result is spot-on for such a Yacht Concept.



Figure 2 - Assembling Composite infused boat sides - Day One 75'



Figure 3 - Finishing large surfaces to perfection - Day One 65'

EUROMERE PRODUCTS FOR DAY ONE YACHTS BUILDING

Chantier de l’Arsenal is using some of EUROMERE best products to build their boats:

- EUROGEL® HQ isoNPG Gel Coat on boat sides for its longevity and protection
- EUROGEL® HQ-FR isoNPG Fire Resistant Top Coat for inside protection
- FSP® VE-9000 Vinylester bonding paste for structural adhesion
- FSP®HV 1539 Polyester bonding paste used for rigid adhesion
- PRIMER 1207 for finishing composites surfaces before top coating



Figure 5 - Day One 85' for Malta. 250 passengers.

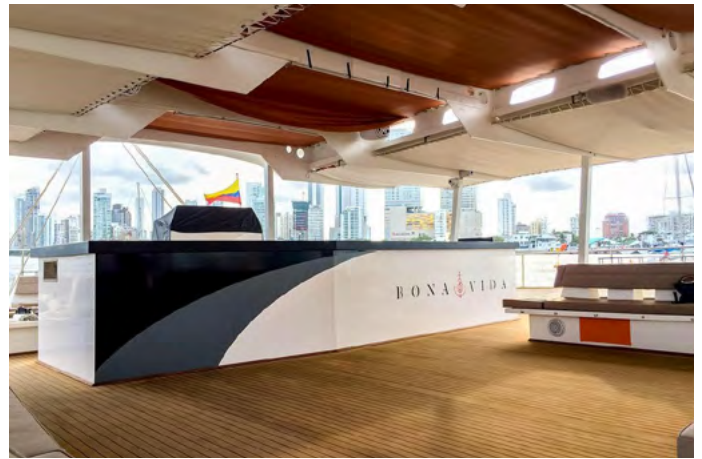


Figure 6 - Day One 85' for Colombia. 27 m of Elegance for 150 passengers and 5 crew members.



Figure 7 - Launching a new Day One 65' this year!



Figure 8 - Day One 60' Melody operated around Oleron Island by Inter'Iles Catamarans