

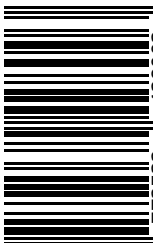
SUPERYACHT DIGEST

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DON'T
TOUCH MY
OCEAN
Philippe Shangti

Don't Touch My Ocean
No Animal Killer Here
by **Philippe Shangti**

Courtesy of artist
ART ANGELS Art Gallery
Los Angeles | Miami

Eng. Sergio Cutolo, Founder of Hydro Tec
© Giovanni Malgarini

ONE TOY, FOR STARTERS...

IN THIS ISSUE WE WANTED TO FOCUS ON THE IMPORTANT YEAR OF HYDRO TEC, WHICH IS ABOUT TO CELEBRATE ITS FIRST 25 YEARS OF ACTIVITY. IF WE LOOK AT PROJECTS PUT INTO WATER AND CURRENTLY BEING BUILT AND WE PUT THEM CLOSE ONE ANOTHER, WE NOTE HOW THE EXPERIENCE GAINED OVER THE YEARS HAS ALLOWED THE ENGINEERING FIRM LED BY ENG. SERGIO CUTOLO, AT THE HELM OF A TEAM OF DESIGNERS OF ALMOST 10 PEOPLE, TO OFFER TO THE CUSTOMER AN ALL-ROUND SUPPORT IN EVERY SEGMENT.

by Pamela Paci

ENGINEERING STUDIOS | HYDRO TEC

A BRIGHT 2019, WAITING FOR THE COMING YEAR



Toy 51 Fly. Hydro Tec is working on the 2nd unit, which will be equipped with a different propulsion package and provided with Seakeeper stabilizers and with a particular soundproofing system developed together with Promat

Of course, you will remember the wonderful Crossbow project, presented last year and described in the September issue. A project that was proposed to us modestly, “if you like it, we would have also this concept that we have developed, a little different from the usual, very sporty”. Today Crossbow is a model present among the concepts of Isa Yachts, a unique 100-metre yacht that is drawing the attention of interesting customers.

The beauty to enter into contact with architectural firms, in this case naval engineering and architecture, is in the possibility to discover with them what they have hidden in their drawers, not only dreams, but also projects. In this issue we wanted to tell the important year of Hydro Tec, about to celebrate its first 25 years in business. If we look at projects put into water and currently being built and we put them close one another, we note how the experience gained over the years has allowed the engineering firm led by Eng. Sergio Cutolo, at the helm of a team of designers of almost 10 people, to offer to the customer an all-round support in every segment.

In March, Columbus Yachts launched its flagship, the 80-metre M/Y *Dragon*, and today is working on a new 120-metre yacht. In the same month Cantiere delle Marche premiered to the press the construction in progress of their new idea of explorer vessel, Flexplorer. For both constructions, as well as for the very first 38-metre ship being built at Rosetti Superyachts, Hydro Tec has developed

the exteriors, the naval architecture and the engineering part.

By analysing surface areas and types, we can affirm that the firm of Ovada, characteristic town of the Monferrato area, Piedmont, Italy, is able to propose efficient solutions in line with the market either for luxury megayachts in the 80-100 metres segment, as part of the explorers, of which it is among the most expert firms at global level, or in the segment of megayacht in the lower end, 30-50 metres. But not only, because Hydro Tec, also thanks to the fact that having been in the market for 25 years has by now a consolidated knowledge finding their origin also in the past years, when the boat building industry enjoyed more success, is a reference also for entrepreneurs who have the wish to bring back to the today's market past brands, entrusting to Sergio Cutolo the necessary consultancy for the development of new current models with appeal. Today Hydro Tec is assisting the new owner of the brand Aicon Yachts, for which it is working on interesting solutions that will be soon presented to the market.

Another project likewise noteworthy on which the firm is working concerns the construction of a 50-foot yacht, a Toy that Hydro Tec has designed on behalf of a direct customer. The Toy will be delivered next April, “it is a very particular construction”, Sergio Cutolo affirms, “a 50-foot yacht now being built in Savona, which will be presented to the yacht shows of 2020”. The hull is in fiberglass realised in Asti. The exteriors are made by the Milanese Nauta Design.

AN 80M YACHT THAT PUSHES THE MADE IN ITALY PRODUCTION TOWARDS THE HIGHEST SEGMENT OF MEGAYACHTS



The pool area on board the 80m M/Y *Dragon*
© Giorgio Baroni

Hydro Tec designed the hull, the structures and the engine room of this project. But it has also involved a company very well-known in the civil field, with experience also in the naval field, as regards the soundproofing, an aspect never treated before for a boat with such a surface area.

Waiting for celebrating with Hydro Tec their 25th anniversary, and waiting to know soon all their projects in progress and that now cannot be disclosed, let's have a closer look at the constructions that made the firm a real protagonist of 2019.

80M M/Y *DRAGON*

The 80m M/Y *Dragon*, launched last March, was an important project for Hydro Tec (exteriors and naval architecture), being the first one so big ever built by the shipyard Palumbo under the brand Columbus Yachts, "but also a difficult boat", Sergio Cutolo underlines, "the salon is 200 square metres wide and is supported just by two frameworks, the rest is suspended, without any supporting beam, and has 15 metres of panoramic windows, from a structural perspective it was a real challenge. The largest of these 40mm-thick panes covers an area of 10 square metres, with its weight of nearly two tonnes. Such windows are yet supported solely by the beams and stiffeners of the superstructure, without extra columns or pillars".

Another significant challenge, as explained by Sergio, concerns the sundeck that houses 200 square metres of beach club and a swimming pool with a relax area: "the yacht owners asked us to have a whirlpool area besides the swimming pool, but unfortunately there was no enough space, at least on this deck, since we did not want to extend the deck in order to not weight down the line of the boat, we solved by creating the whirlpool inside the mast, which thus results closed on three sides. In this way this area results also more intimate, cosier".

"The waterfall has the double function, both aesthetic and structural – in a manner of speaking – because it separates two areas, whirlpool and swimming pool. If you want to move from one to another you shall pass under the waterfall". The mosaic-lined swimming pool from the waterfall to the stern is 7 metre large and it is featured with counter current function to provide ocean swimming experience when on-board. On the one side there is the sundeck, on the other one the bar zone. Another important element is the elevator passing through all the six decks in the central area, it starts from the lower deck and reaches the sundeck where there is the swimming pool.

Powered by a pair of MTU engines, *Dragon* can boast a maximum speed of 16,5 knots, with comfortable cruising speed of 12 knots under the range of over 6,000 nautical miles.



Columbus Classic 120m, Columbus Yachts

With *Dragon* delivered and ready to debut at Monaco Yacht Show later this year, the yard has recently presented a new concept for their new flagship: a 120-metre project developed by Hydro Tec, whose construction is ready to start as soon as a customer occurs.

A NEW FLAGSHIP READY TO BE BUILT: THE NEW COLUMBUS CLASSIC 120M

This project represents the largest vessel in the Columbus Classic line and it is designed by Hydro Tec as evolution of the 80m M/Y *Dragon*. Using the ethos of less is more, the yacht shows clean crisp sweeping lines which blends contemporary elements seamlessly with classic proportions. This creates an elegant and timeless aesthetic, paying tribute to a bygone era of graceful ocean liners.

Designed with floor to ceiling windows and frameless glass railings, the 120M can host 22 guests with 10 cabins located forward on the main deck and the owner's suite (260 sqm), located above with a forward facing cabin and equipped with an external lounge and Jacuzzi pool for private use. This layout allows all guests an easy and direct access to the sea through the huge beach club located at aft, which includes a SPA, Gym, bathing platforms on each side and a covered pool located just under the glass bottom of the deck pool, with a nice waterfall drawing water from the pool above.

The tender garage accommodates two custom designed 12m tenders, a service RIB and a list of smaller toys such as Jet skies, seabobs, etc. A diving room, complete with all necessary equipment, is also included in the garage area.

The aft main deck is practically doubling the beach club space in a nice "al fresco" location which includes an 11-metre-long pool which overlaps the beach club pool and a bar.

The main deck beach club lounge is an ample veranda directly connected to the beach club through a comfortable stair and provided with comfortable sitting/relax areas and a proper bar/kitchen for guest service.

The upper deck aft open deck is a lounging area provided with "al fresco" dining table. The upper deck lounge is a flexible space provided with conversation corners and a TV/Cinema area.

The top deck aft open area includes the heli-deck and relaxation/sunbathing area as well as a sky lounge and a further forward-looking sunbathing area provided with a jacuzzi tub. "Al fresco" lounge is located above the top deck, with a rounded sitting area and a chimney in the centre, providing ideal space for evening/night guest entertainment.



RIGHT THE FIRST... THE 38M MARKS THE
BEGINNING OF THE PRODUCTION ACTIVITY
OF ROSETTI SUPERYACHTS



(image above) A rendering of the Rosetti Superyachts 38m Explorer Yacht
(Pg. 154) The 38m Explorer yacht under construction at the Rosetti Superyachts' yard in Ravenna
© Rosetti Superyachts

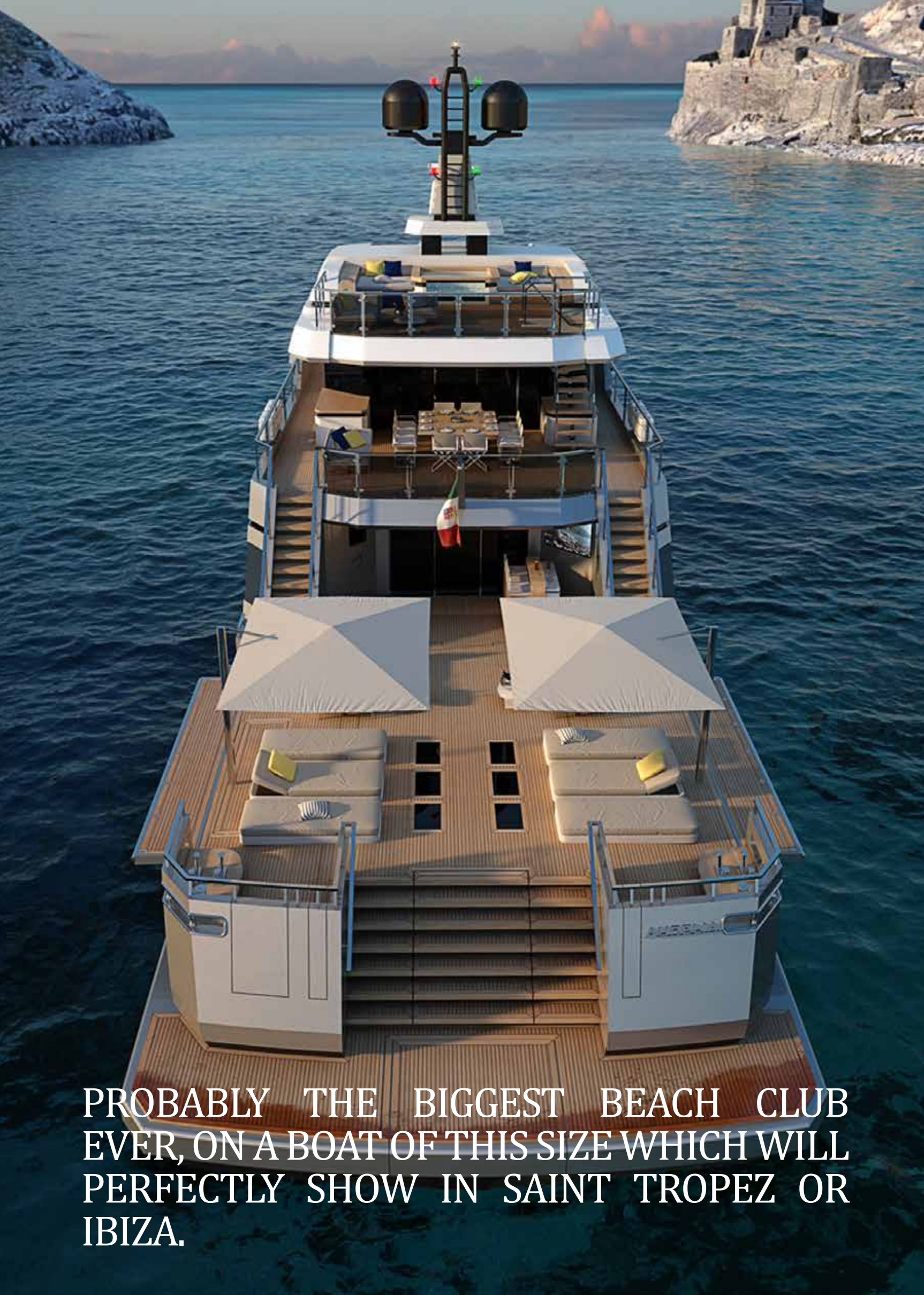
THE FIRST BORN OF HOUSE ROSETTI SUPERYACHTS

The first yacht to be built with Rosetti Superyachts has the exterior design and naval architecture by Hydro Tec. Sold to the client in December last year, the new 38m Explorer is now taking shape at the yard's facility in Ravenna, Italy, where last May the coin and keel laying ceremony took place at the presence of her European owner, marking the official start of the construction. The delivery is scheduled within 24 months.

This first construction will remain in the history of the yard as first milestone they have achieved, but it also represents a major contribution by Hydro Tec, which set in motion the construction activities at the yard, thereby helping to give the right impulse for the promotion of the new brand. At 37.83m in length with a maximum beam of 8.85m, the yacht will be rated at 400GT.

This project, whose first rendering has been unveiled, is the one that is coming to life under the brand Rosetti Superyachts. "Each new beginning contains within it great energy and I am very happy to be part of this adventure," states Sergio Cutolo. "This first RSY Explorer was born from a Hydro Tec project and from the wishes of the owners who followed us step by step, creating a graceful boat with a strong personality".

Only few details are available at the moment, but as far as we can see from the first rendering, the project reveals a standard tri-deck setup with a full-beam main deck and lower deck guest accommodation arrangement.



PROBABLY THE BIGGEST BEACH CLUB
EVER, ON A BOAT OF THIS SIZE WHICH WILL
PERFECTLY SHOW IN SAINT TROPEZ OR
IBIZA.



Flexplorer, Cantiere delle Marche

THE NEW FLEXPLOLER PROJECT DESIGNED FOR CANTIERE DELLE MARCHE

Last December the Ancona-based shipyard, Cantiere delle Marche, introduced a new line of explorer vessels designed to take centre stage and to set new benchmark in the segment: Flexplorer.

Nowadays expedition vessels represent one of the most interesting typology in the yachting market and many shipyards are proposing explorer-like yachts.

Since its inception, Cantiere delle Marche has been pioneered the explorer vessels' segment to meet the tastes and requests of a growing number of discerning owners.

The Flexplorer line embodies all features of a pure explorer vessel, robustness, seaworthiness and comfort in all sea conditions adding to these qualities an extra dose of flexibility and functionality while encompassing CdM's usual superlative levels in both construction and equipment. Flexplorer is a stunning piece of technology wrapped in an elegant design by Sergio Cutolo/Hydro Tec.

Her eye-catching superstructure, almost vertical bow, huge deck are not styling exercises as they serve to provide the yacht with all feature that make her a perfect ocean-going vessel designed to face all sort of weather conditions in total

safety and comfort. Among Flexplorer's genuinely unique aspects it is worth mentioning the fold-down bulwarks that enlarge the deck space astern creating a huge terrace and an A-frame crane perfectly encompassed in the deck's flooring.

This feature itself is a remarkable piece of engineering purposely developed to provide the yacht with a powerful crane to launch an 8.5 mt tender without interfering with full use of deck space.

The A-frame crane also allows much safer loading and offloading operations as well as it eliminates any inclining issue. The fact that the tender is loaded and offloaded from the protected water at the stern of the vessel is another plus, indeed.

The flexibility of this explorer vessel is clearly visible when, once the tender is into the water and the A-frame crane recessed into the deck, the 115 sqm main deck exterior area becomes an Infinity Deck thanks to the foldable bulwarks.

At the moment a 40-metre Flexplorer is under construction due to be delivered to her Owners in 2020.