

Super-Yachts

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Yacht by Lalique, eco-designed and eco-responsible luxury



Philippe Renaudeau and Nicolas Borella present their project, the Yacht By Lalique, which is inspired by the French know-how of the crystal specialist Lalique. Presented at the Monaco Yacht Show and ready to build, this 131-foot superyacht project aims to convey the values of sustainable development



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Architecture and decoration inspired by crystal

The Yacht by Lalique is a 70.50 m (131 ft) superyacht whose fluid lines are inspired by the Art Deco years, reinterpreted with modernism by naval architect Philippe Renaudeau. For the interior design and decoration, yacht interior designer Nicola Borella drew inspiration from the French know-how of Lalique, a crystal specialist. Thus, the precious material is present everywhere on board, both in the furniture and in the decoration. Ship owners can also opt for personalized creations: furniture, decoration, decorations or lighting.



The Yacht by Lalique

Four decks for luxurious living on board

Designed for ocean cruising, the yacht by Lalique features a four-deck layout with plenty of glass. The exterior space is spread over three levels



Jacuzzi and pool on the main deck

The lower deck is reserved for the 14 crew members as well as the engine room and storage. The main deck hosts 6 guest cabins with separate shower and toilet, as well as a large salon, a dining room, a bar and an elevator. The upper deck is home to the huge 101 m² owner's suite with bedroom, double dressing room, double bathroom, double toilet and large lounge. On this level, there is also the wheelhouse, a Jacuzzi and its sunbathing area as well as a 107 m² helipad.



Large living room

Finally, the fly deck offers a Japanese bath, a bar and sunbeds, as well as an indoor area with a lounge, gym, pool table, spa and sauna.



Main deck lounge

An eco-designed and eco-responsible superyacht

So far, the Yacht by Lalique has all the characteristics of a classic superyacht. But it is by its construction - carried out by the Ocea shipyard - and its operation that it distinguishes itself. Eco-designed and eco-responsible, the Yacht by Lalique will produce its own energy by favoring renewable resources and bio-based or circular economy materials.

Firstly, by an electric propulsion of 2x1750 kW, giving her a maximum speed of 19 knots and a cruising speed of 14 knots. At a speed of 12 knots, the yacht is expected to offer up to 6,000 miles of range.

For the construction, the designers have chosen aluminum for the hull, superstructure and profile. For the distribution partitions, the fixed furniture elements and whenever possible, natural materials - plant reinforcement fibers (bamboo, flax, hemp) or mineral (basalt) and bio-



Main deck dining room

Able to produce and manage its own energy

This superyacht will be self-sufficient in energy by relying on renewable resources: sea, sun, wind, current, swell... It will notably use the latest technologies in seawater electrolysis to extract hydrogen which will be stored on board to be used as fuel for fuel cells (in partnership with Energy Observer) for on-board energy and propulsion. Solar panels, wind turbines integrated into the structure, a wave generator system (wave energy recovery system), tidal energy recovery systems and any form of current in general will also be installed on board. The team is also studying the capacity to recover thermal energy from the seas.



The Yacht by Lalique

Recycling and waste sorting

The fresh water runoff will be recovered and stored in dedicated tanks to be reused for the operation of life on board.

Grey water (dishes, washing machines, showers, sinks) will be stored in retention tanks and will be treated for recycling. Thus, the designers have the will to use only environmentally friendly cleaning products.

The black water (toilet) will be recovered to undergo an electro-chemical treatment thanks to successive electrolysis, until it is totally degraded. The water will then be ready to be discharged.

The ship will be equipped with garbage cans for selective sorting. Each garbage can will be equipped with a compactor that will reduce the volume

foodstuffs, in order to reduce to the maximum the packaging lost on board.

The production and management of on-board energies will have to resort as much as possible to technical solutions privileging soft and renewable energies. The same attention will be paid to waste management. Thus, several avenues are being studied:

- Hybrid propulsion
- Natural light transport by optical fiber
- Solar panels
- Fresh water production by reverse osmosis
- Recovery of washing and scupper water for filtration and dedicated use for deck washing
- Thermal insulation



Layout plans