



WaterNest 100

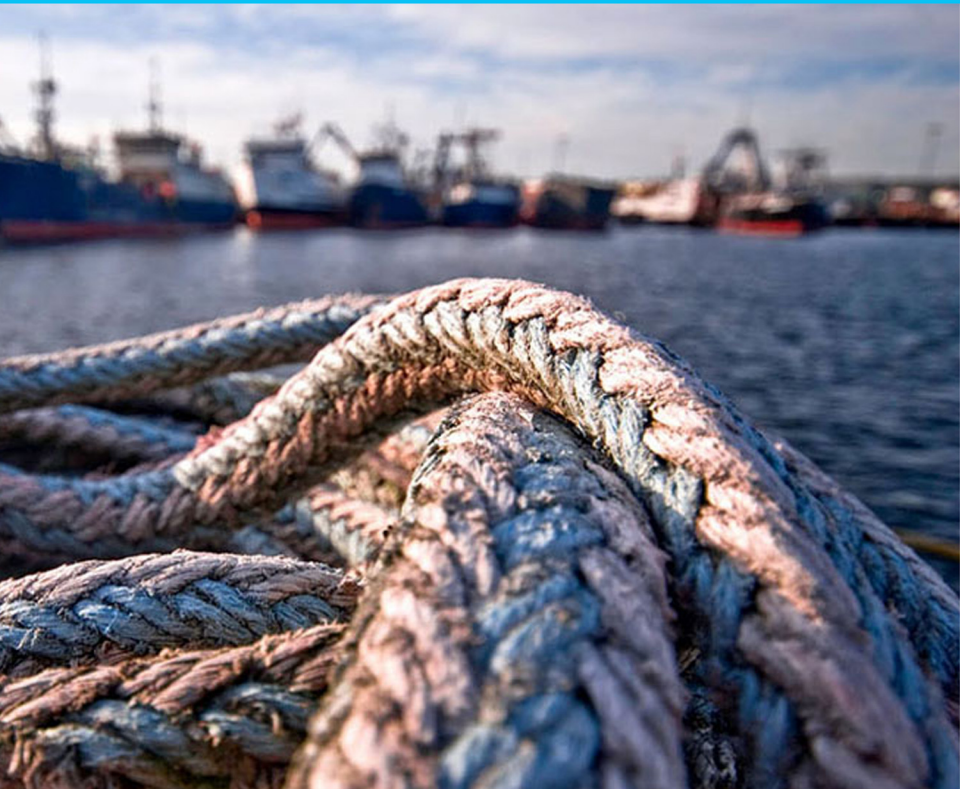
Ecological Floating Habitat

EcoFloLife

Ecological Floating Habitats

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Company profile

EcoFloLife is an international company based in London, specialising in the manufacture and sales of eco-friendly floating residential structures, offering its customers the most contemporary architectural solutions and cutting-edge technological innovations, to live an environmentally friendly, independent and exclusive future. The world around us is becoming increasingly chaotic and conformist, requiring fully eco-friendly and recyclable housing units, which allow us to live in complete independence and in harmony with nature, while respecting and admiring it. The ongoing climate changes and the resulting sea- and river-level rises force us to ponder on the eco-sustainability of our housing choices. EcoFloLife is committed on the topic of environmental sustainability with its floating and eco-friendly residential units. Water is life, it is part of our existence, we are born and grow in amniotic fluid, our body is made up of an average of 60% of water and 70% of our planet is covered by it. In the future our homes will increasingly be on water and will allow us to reclaim that primeval contact with nature, through a floating experience.



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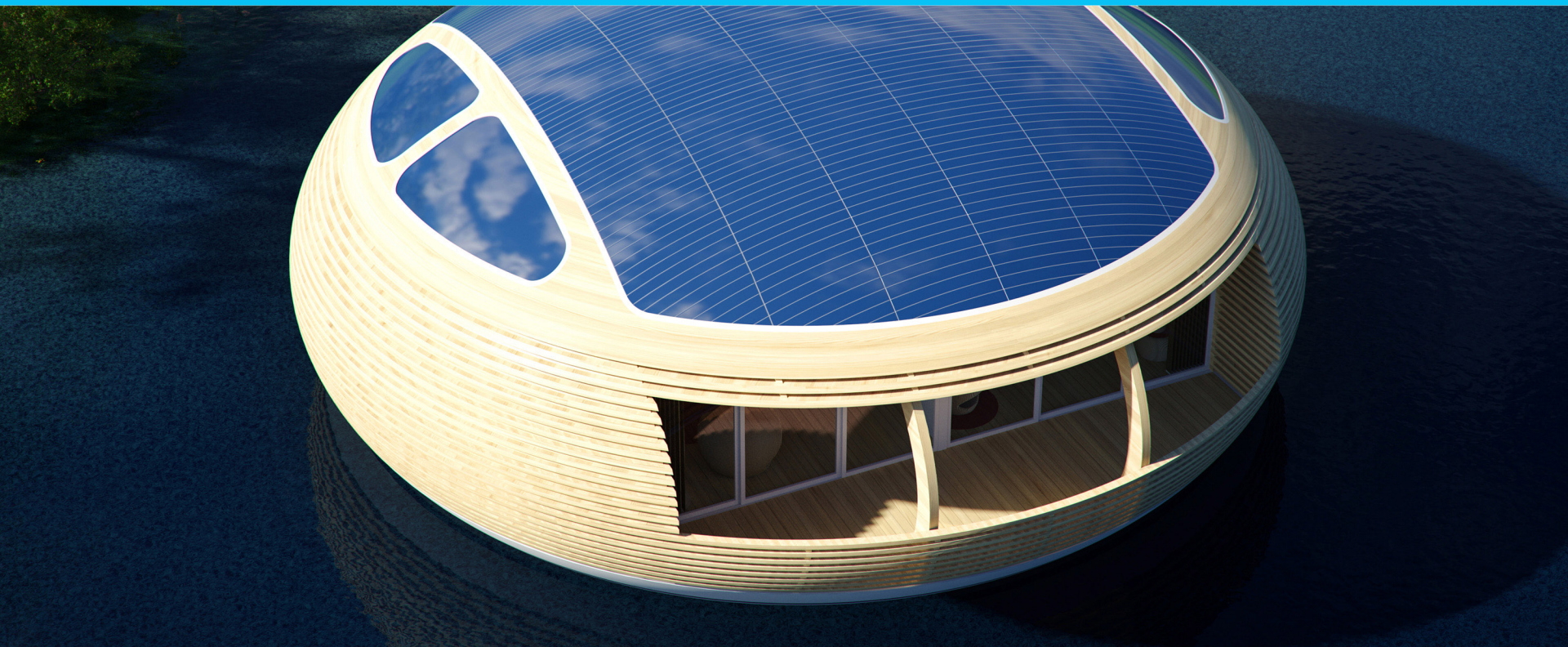
by Giancarlo Zema

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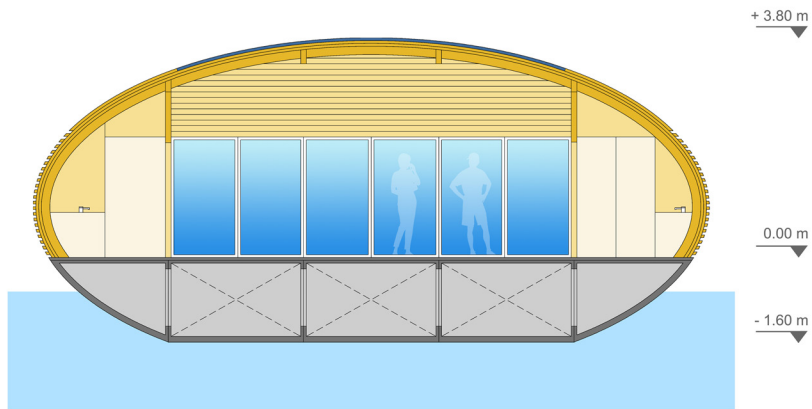
HABITAT

After years of research EcoFloLife has developed the WaterNest 100 eco-friendly floating housing unit, exclusively designed by the Italian architect Giancarlo Zema. It is an enveloping 100 sqm residential unit, 12 m in diameter and 4 m high, made entirely of recycled laminated timber and a recycled aluminium hull. Balconies are conveniently located on the sides and thanks to the large windows, permit enjoyment of fascinating views over the water. Bathroom and kitchen skylights are located on the wooden roof, as well as 60 sqm of amorphous photovoltaic panels capable of generating 4 kWp which are used for the internal needs of the residential unit. The interior of WaterNest 100 can include a living room, dining area, bedroom, kitchen and bathroom or have other configurations according to the different housing or working needs - ideal for those wishing to live independently, exclusively and in complete harmony with nature. WaterNest 100 can be positioned along river courses, lakes, bays, atolls and sea areas with calm waters. The use of materials and sustainable production systems make this unit recyclable up to as much as 98%. In addition, thanks to a sophisticated system of internal natural micro-ventilation and air conditioning, it is classified as a low-consumption residential habitat.





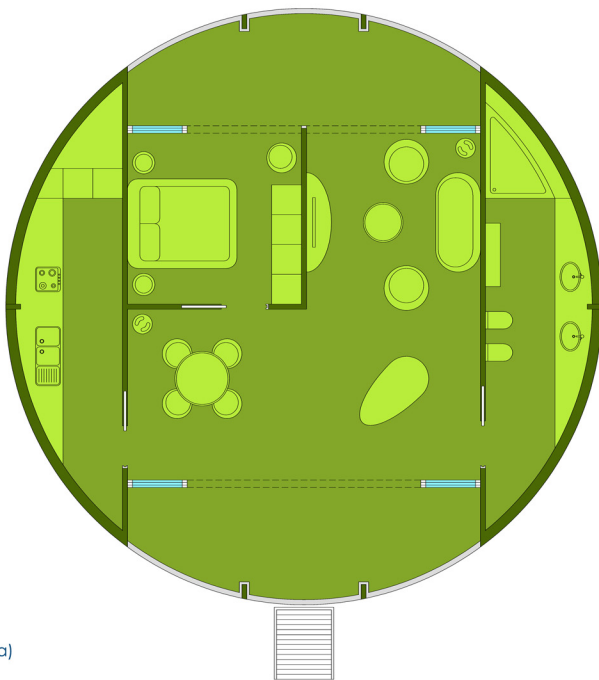




Longitudinal section

LAYOUT

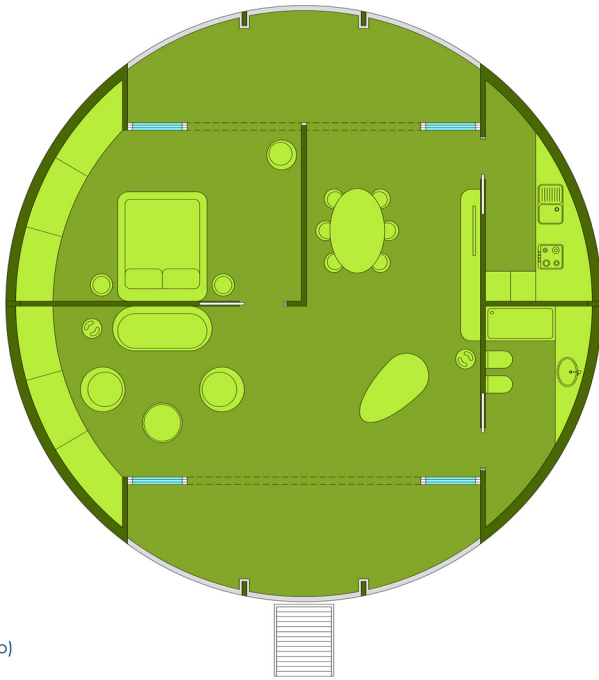
WaterNest 100 has a 100 sqm circular layout, 12 m in diameter, with balconies conveniently located along the longer sides that allow to enjoy, thanks to the large windows, fascinating views over the water. WaterNest 100 has several possible configurations, depending on the different housing or working needs. The selected furnishings in the EcoFloLife catalogue are top design, eco-friendly and elegant, and thus meet the most demanding contemporary needs.



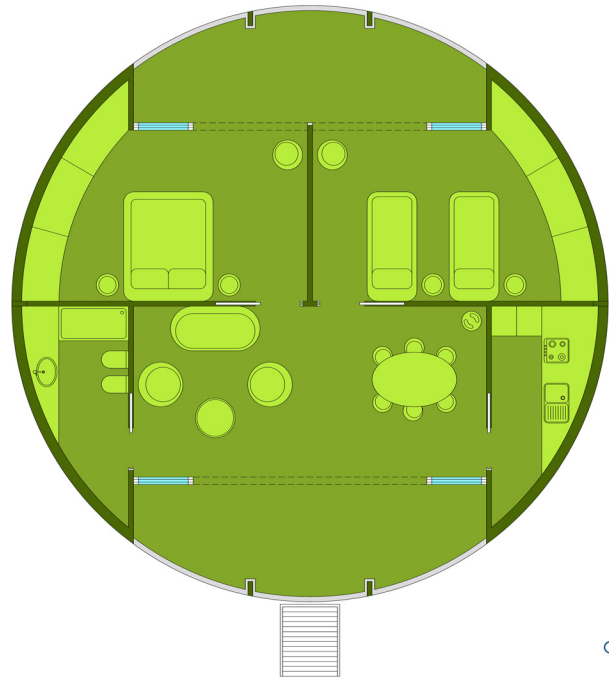
General plan (a)

House / Resort

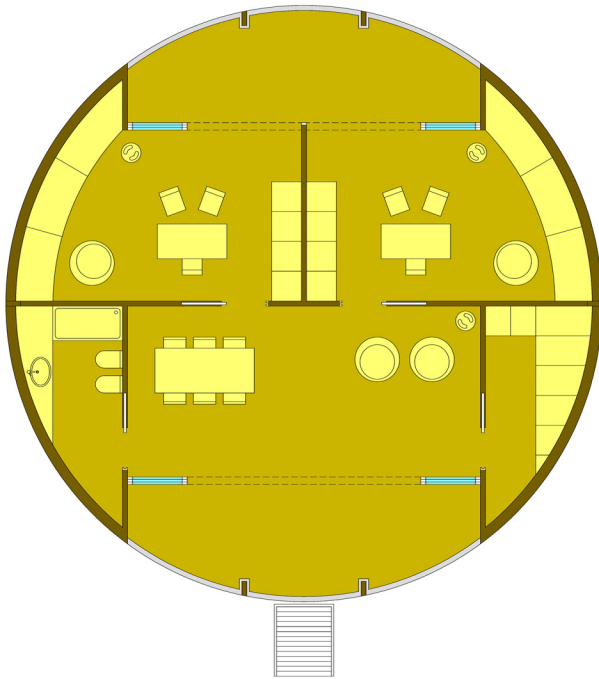
This version of WaterNest 100 is ideal to accommodate a young couple or a family of four, wishing to live in a new, eco-friendly and non-conformist manner, without sacrificing comfort, elegance or style. WaterNest 100 includes in its interior a living room, dining area, bedroom, kitchen and bathroom. The selected furnishings in the EcoFloLife catalogue allow to embellish the space with a touch of colour and joy.



General plan (b)



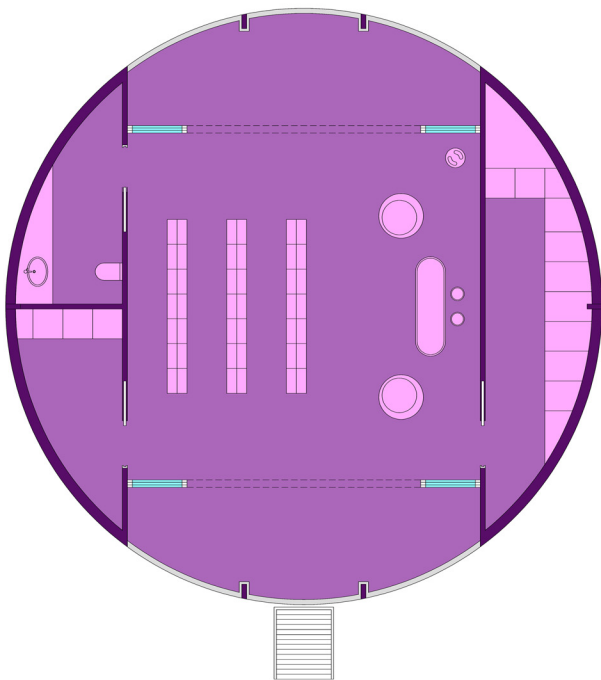
General plan (c)



General plan

Office / Lab

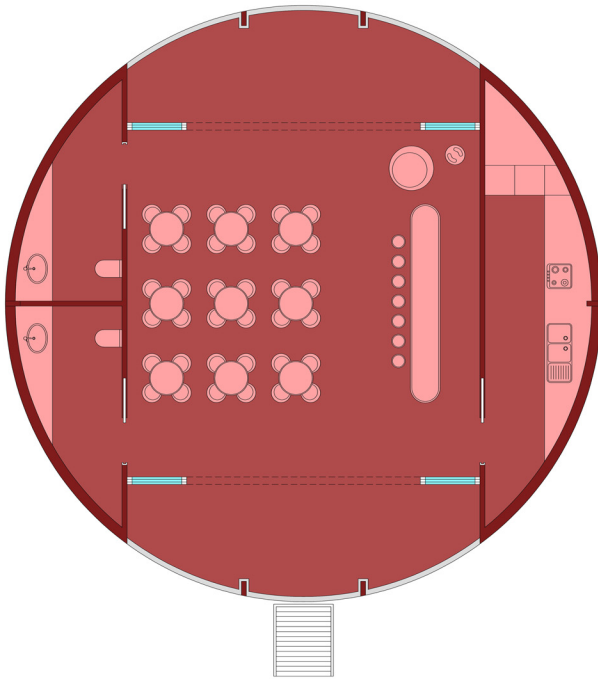
This version of WaterNest 100 is more suited for a young and dynamic work team wishing to communicate and work in a single, one-of-a-kind space, in close contact with nature. WaterNest 100 can fit separate or adjoining workstations, a bathroom, storage and archive. The EcoFloLife catalogue has refined furnishings such as desks, chairs and floor lamps, which are made entirely of recycled flame-retardant cardboard in different colours.



General plan

Shop / Exhibition

This version of WaterNest 100 is best suited for those wishing to open an innovative floating business or exhibition gallery. A large open-space that can be modelled according to the various business needs with storage, dressing room and toilet. The EcoFloLife catalogue has refined furnishings such as reception, armchairs and floor lamps, made entirely of recycled flame-retardant cardboard.



General plan

Lounge bar / Restaurant

This version of WaterNest 100 is the ideal design to accommodate an innovative and charming, as well as entirely environmentally friendly restaurant or floating bar. Open-space with bar, tables for a maximum capacity of 40 people, kitchen and toilets. The EcoFloLife catalogue has modern environmentally friendly and top design furnishings, with colourful, trendy organic shapes.





FURNITURE

The interior of the WaterNest 100 eco-friendly floating residential unit is enriched with a series of top design furniture, which can be found in the EcoFloLife catalogue - the result of a rigorous selection of the most renowned and established eco-friendly contemporary design companies, thus meeting the trendiest style requirements.



Canyon Collection

Armchair + Chair + Table + Coffee table + Library + Floor Lamp

Inspired by the sculptures and infinite layers of the American Grand Canyon, this eco-friendly collection designed by Giancarlo Zema for the Origami Furniture firm, consists of armchair, chair, table, coffee table, library and floor lamp made of recycled cardboard. Soft and curvaceous shapes reveal cosy niches to keep bags, magazines or small objects. Designed to furnish the trendiest indoor areas in an environmentally friendly and innovative way.

www.origamifurniture.com



Snake Collection

Desk + Chair + Library + Floor lamp

A playful, cheerful and colourful snake with a curvy silhouette, almost like a cartoon. This is the exciting childhood memory that led designer Giancarlo Zema to design, for the Origami Furniture brand, an essential but fun collection that consists of a desk, chair, library and floor lamp made of recycled dual-coloured cardboard. An ideal piece of furniture to decorate smart and eco-friendly homes and offices in a young and informal style.

www.origamifurniture.com



Bright Woods Collection

Table + Chair + Coffee Table + Stool + Floor lamp

Like an enchanted forest of trees that light up at night, this fascinating ethnic collection by Giancarlo Zema for Luxyde, consist of table, chair, coffee table, stool and floor lamp, uses natural materials like wood scratched by several resin rings that lighten at sunset. Available in several colour and essences with RGB Led system, they are ideal for the most exclusive interior decoration, from hotels to nautical furnishing.

www.luxyde.com



giovannetti
Collezioni D'Arredamento

Anemone Collection

Armchair + Sofa

Swimming as funny fishes in a warm sea full of shapes and then feeling safe in a colourful anemone. This is the inspiration that led the italian architect Giancarlo Zema to design for the prestigious Giovannetti Collezioni a soft and sprightly armchair and sofa of high sculptural value. Realized in polyurethane foam with bearing structure in treated steel and rotating base, cover in elastic fabrics in different colours all inspired by sea.

www.giovannetticollezioni.it



Octopus Collection

Suspended + Wall + Floor Lamps

Lengthening one of its sinuous tentacles, a curious and colorful octopus emerges from the seabed, bringing shape, colour and vital light. With this vision, the architect Giancarlo Zema designs an elegant collection of suspended, wall and floor lamps in DuPont™ Corian® for Luxyde. The floor lamp has a steel base, dynamic RGB LED technology with remote control, 210cm height and 35cm in diameter.

www.luxyde.com



Giovannetti
Collezioni D'Arredamento

Ring Collection

Table + Chair + Stool

The great Henry Moore's sculptures inspired the essentiality of the Ring series. An idea born as a homage to the great English Master who changed the world of modern art. Designed by Giancarlo Zema for Giovannetti, consist of table, chair and stool owe their lightness to large holes in the sides, that become a suitable place for bags, magazines or small objects. Realized in double color polyurethane with either a rough or smooth finish and the possibility to choose different combinations of colours to match the general style of the surroundings. The height of the objects may be regulated to suit the user's needs by pressing a button that activates an internal gas piston.

www.giovannetticollezioni.it



Giovannetti
Collezioni D'Arredamento

Moss Collection

Seat + Coffee table

The moss with its soft and colourfull texture that fits smoothly to the forms of nature, has seduced the pencil of the architect Giancarlo Zema, who has created for Giovannetti a collection of seats and low tables in fresh colours and enveloping surfaces. Ideal for decorating the most innovative and trendy outdoor and indoor spaces, is made in eco-plastic of different colours.

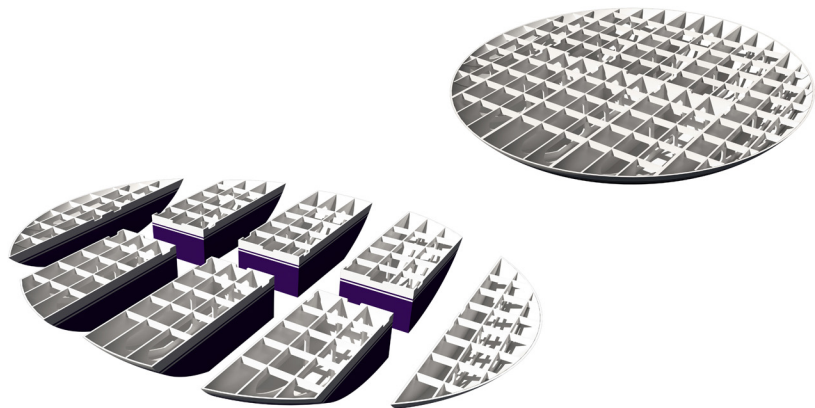
www.giovannetticollezioni.it





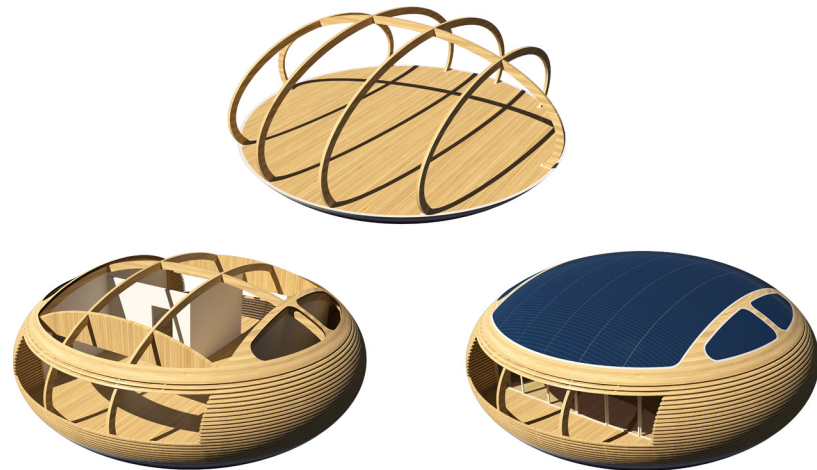
TECHNOLOGY and MATERIALS

WaterNest 100 is an enveloping residential unit, made entirely of recycled glued laminated timber and a recycled aluminium hull. The use of materials and sustainable production systems make this unit recyclable up to as much as 98%. 60 sqm of amorphous photovoltaic panels capable of generating 4 kWp are installed on the wooden roof, and are used for the internal needs of the residential unit. The kitchen and bathroom counter tops are all made of DuPont™ Corian® a recyclable material, resistant to mould and bacteria.



Hull technology

The WaterNest 100 hull is made of recycled aluminium with a high quality coating, obtained by coupling and tightening eight separate and perfectly watertight modules. Each module has bulkheads, recesses and slots for all systems essential for the functioning of the residential unit. The choice of a split hull allows storage and transport of WaterNest100 using common standard trucks or containers with regards to size.



Superstructure technology

The supporting frame of the WaterNest 100 superstructure is moulded laminated wood, while the cladding and partition walls are curved wood, treated to resist weathering easily. In addition to the exceptional sustainability, affordability and aesthetic characteristics of this material, there are several advantages such as a high ratio between mechanical resistance and weight.

Wooden structure

The WaterNest 100 spindle-shaped casing is entirely made of laminated wood, an innovative product, produced on an industrial scale using a technological process where natural wood is pressure bonded, reducing the defects typical of solid wood. In addition to the exceptional sustainability, affordability and aesthetic characteristics of the product, there are several advantages such as a high ratio of mechanical resistance to weight. Furthermore, the laminated wood structures have an excellent fire resistance, in fact, combustion occurs slowly due to the good thermal insulation given by the carbon surface layer.



Aluminium hull

The WaterNest 100 hull is made entirely of aluminium, a light alloy, highly resistant to impact, corrosion and 100% recyclable, requiring no maintenance. The tapered shape is achieved by means of aluminium plates which are cut using CNC machines supported with a CAD/CAM system and braced with reinforcing bulkheads. As well as ensuring excellent buoyancy, the hull contains the technical facilities necessary for the residential unit.



Photovoltaic panels

Sixty square meters of amorphous photovoltaic panels capable of generating 4 kWp are installed on the wooden roof of the WaterNest 100 and are used for the internal needs of the residential unit. This type of panels differs from the conventional ones due to the low energy consumption required for their production, making them in fact the most environmentally friendly. Moreover, from an aesthetic point of view, they can be curved to fit almost any type of roofing.

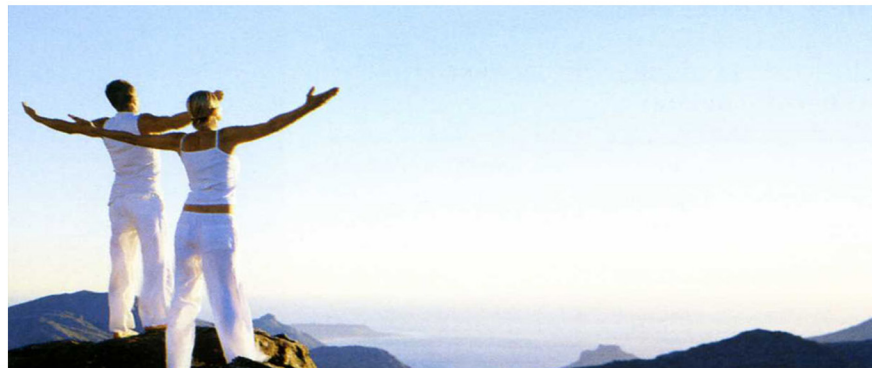


Air conditioning

The WaterNest 100 integrated air conditioning system allows a filtered micro-ventilation in the residential unit with ceiling and floor air grilles. The retractable system with automatic temperature control ensures very low energy consumption and hardly any maintenance.

Treatment of wastewater

The WaterNest 100 has a sophisticated integrated system for the purification and filtering of gray and black water (bathroom and kitchen waste, etc.) which can be partly reused for water or completely purified and admittances into lakes, seas and rivers. The only maintenance required approximately every six months is the clearance of simple biological waste products from the internal filter. Naturally, only ecological detergents and soaps can be used on board. For fresh water, the tank capacity is 1,500 liters.



Aluminium frames

Thanks to WaterNest 100 large windows you can enjoy fascinating views over the water. The stylish sliding doors are made of anodized aluminium coated with thermal double glazing so as to obtain good sealing regarding air, water and wind with high thermal and acoustic insulation performances.



Teak floor

The flooring and the spacious balconies of the WaterNest 100 which allow you to enjoy fascinating views over the water, are made entirely of high-quality teak to withstand temperature variations, humidity, saltiness and the attacks of atmospheric agents. Like yacht decks, the size of the slats is sufficient to reduce leakages while having the greatest visual impact.



Corian kitchen

The WaterNest 100 kitchen is modern and welcoming, built using customised thermoformed DuPont™ Corian® solid surface. A recyclable composite material made of 2/3 alumina trihydrate and 1/3 acrylic polymer, making it extremely resistant to impact as well as mould and bacteria.



Corian bathroom

The WaterNest 100 bathroom with its soft and elegant fittings is built using high quality taps, faucets and fixtures with DuPont™ Corian® solid surface thermoformed top. A recyclable composite material made of 2/3 alumina trihydrate and 1/3 acrylic polymer, making it extremely resistant to impact as well as mould and bacteria.



Domotic system

The WaterNest 100 domotic technology is your comfort. You can create the right atmosphere with just one touch: (1) Lighting control - Switch on one, several or all lighting fixtures in your home with a single keypad. (2) MyHome automatically creates lighting paths to facilitate your displacements. (3) Fixtures automation - Draw curtains, roll-up blinds and other powered equipment with no effort. (4) Sound system - Bring your favorite soundtracks, drawing freely from your preferred sound sources. (5) Create an atmosphere - To recreate with a single touch the perfect lighting, air- conditioning and sound from different preset situations: relax, waking up, leaving home or watching TV. (6) Energy saving - It will allow you to monitor electricity and water consumption and at the same time managing the temperature of each area of the house. Each function can be customised, controlled or shared on a smart-phone using the appropriate app.



Alarm system

The WaterNest 100 alarm technology is your security. Intrusion, gas leakage, power cuts are no more a problem also when away from home: (1) Burglar alarm - Protects all rooms and all accesses. A warning message by telephone, mobile, text-message or e-mail is made to a preset number or mail address. (2) CCTV - Local and remote visual check of all rooms in your home through a closed TV circuit. (3) Technical alarms - Warning in case of water and gas leaks and power cuts, and preset safety actions. (4) Automatic reset / Lifesaving Stop & Go. Automatic circuit breaker reset after overloads or sudden electric discharge due to weather conditions. Each function can be customised, controlled or shared on a smart-phone using the appropriate app.





MAIN CHARACTERISTICS

Product name: WaterNest 100

Typology: floating habitat

Producer: EcoFloLife

Designer: Giancarlo Zema

Environmental: rivers, lakes, bays, atolls and sea with calm waters

Diameter max: 12 m

Total floor area: 100 m²

Balconies areas: 10 + 10 m²

Cubage: 300 m³

Height max: 3,8 m

Height min: 2,1 m

Draft: 1,6 m

Material of hull: recycled aluminum

Material of superstructure: laminated wood

Material of floor: teak

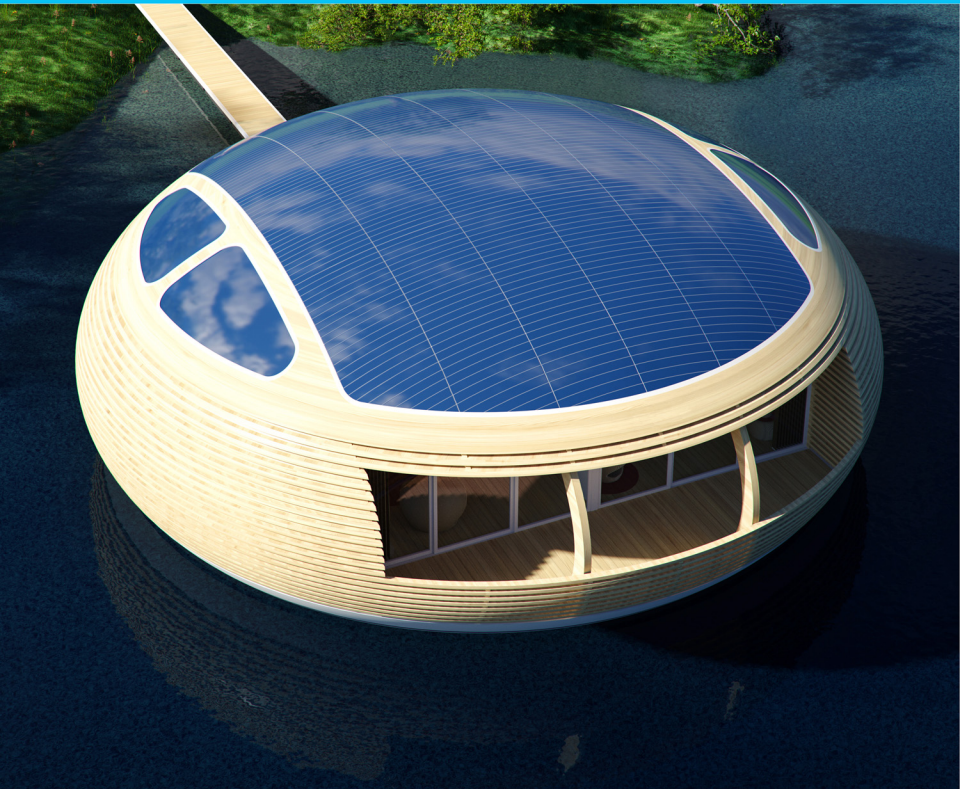
Sliding glass doors: double glazing with aluminium frame

PV system: electricity generation 4 kWp

Illumination system: LED

Fresh water capacity: 1,500 lt

Note: pictures and drawings shown on this brochure are only indicative.



SERVICE

The WaterNest 100 EcoFloLife is a nomadic eco-friendly residential unit, without engines, but can be towed to its final location. Due to these characteristics WaterNest 100 does not require a boating licence or complicated construction permits. Once you have chosen the perfect berthing place, it is only necessary to request a simple authorisation from the local maritime authorities for inland waters. The EcoFloLife team accompanies the client through all planning stages of the new eco-friendly WaterNest 100 floating unit, from the choice of the best location for berthing to obtaining permits, from customisation of the interior spaces to the choice of furnishings, up to transportation, installation and handover. Transport – four lorries, size (LxWxH) 1360x250x300cm are necessary to transport the WaterNest 100 anywhere in the world.



FLOATING ECO-VILLAGE

Several habitats can be installed with a radial or linear configuration on lakes, bays, atolls and sea areas with calm waters to create an eco-resort with floating villages. Both the floating docks and habitat are made from natural materials and environmentally friendly production systems that make this floating architecture up to 98% recyclable. Each home has a sophisticated natural internal micro-ventilation and air conditioning system configured for low-energy consumption in residential housing. Each WaterNest has 60 square meters of amorphous photo-voltaic panels that generate 4kW of daily power, making WaterNest Village a real solar power generator that produces all the electricity needed for day and night operation of the entire floating village. Fluctuations in water level are no problem for the WaterNest Village which adapts in a natural way by raising or lowering its floating level without the use of mechanical elements or any waste of electricity. WaterNest Village is the ideal solution for hotel groups and hospitality investors working in the field of eco-tourism who wish to make a truly innovative floating resort and environmentally friendly way to live in style independently, exclusively and in complete harmony with nature. WaterNest Village is the ideal solution for hotel groups and hospitality investors working in the field of eco-tourism who wish to make a truly innovative floating resort and environmentally friendly way to live in style independently, exclusively and in complete harmony with nature.





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