



## MYS goes Green Magazine

Fifth Edition | Summer 2023





## MYS goes Green - The Magazine -

### TABLE OF CONTENTS

#### **3** MYS GOES GREEN

- 3 - Manifesto
- 5 - The Magazine

#### **7** WHY CHANGE?

- 8 - SOS Ocean
- 11 - Cetaceans & climate change
- 13 - Global Compact: the network of companies

#### **15** NAUTICA GREEN

- 16 - Biofuelling: Eco Fuels
- 18 - New materials to build eco-sustainable boats
- 21 - PaperOtto: lee-way for all

#### **22** NEW HABITS

- 23 - Biogarmentry: the breathable material
- 25 - UYN: high performance cloths committed to a Greener World
- 28 - Ecoship, the most eco-friendly cruise ship ever

#### **31** EXPERIENCES & DESTINATIONS

- 32 - Falsari's Cave & Pellegrin's Path
- 34 - La Pigna: discovering the historical jewel of Sanremo

#### **37** SUPERYACHTS

- 38 - Pangeos: the zero-emission turtle-shaped terayacht

#### **40** EVENTS & MEDIA

- 41 - True Spirit: an incredible ocean trip based on a true story
- 42 - Blue Economy 3.0
- 44 - Boat Shows

#### **46** STORIES FROM THE SEA

- 47 - The eagle and the butterfly

# MYS goes Green: Manifesto

As the years go by, we are more and more realizing that the way our global community consumes is affecting our lives and the wellbeing of our planet.

We want to be an active part in building a sustainable future and to contribute to the change we would like to see in this world.

**We believe it is our responsibility to “Go Green”.**

“MYS Goes Green” is our new project through which we aim to do our part in the global effort to become more environmentally friendly and ecologically responsible.

## How are we going to do this?

We have started by changing our approach to business in order to contribute to the maintenance of an ecological balance and to help safeguard nature for current and future generations.

## What concrete actions is MYS taking to “Go Green”?

“MYS goes Green” is the ethically oriented commitment of our Company to participate in the social responsibility of protecting the environment.

Not only MYS will recommend the use of non-polluting products and technologies (such as natural cleaning supplies and detergents, non-plastic bottles, renewable construction materials, hybrid engines, zero emissions onboard systems etc.) but **we will also get involved in first person.**

The main project we have realized so far is the **installation of a Seabin in the Old Port of Sanremo.**

This device is meant to act as a floating garbage bin that skims the surface of the water allowing the collection of plastics and other kinds of waste from the sea.



Furthermore, we have started to think green  
to reduce our environmental impact and resource consumptions.

Our first step towards this direction is providing our clients  
with eco-friendly merchandising presented in  
an organic cotton 100% natural bag which includes:

- **MYS boxed water:** our promotional water now is green! We replaced the plastic bottle with an eco-friendly package in gable top material completely recyclable.
- **Thermic bottle:** a reusable bottle is the best way to contribute reducing the impact of plastic in the environment;
- **Solid shampoo and body wash:** amenities products packed in carton instead of plastic packaging;
- **Local 0 km extra virgin olive oil from Liguria:** where our offices are based;

And more...

Last but not least, we'd like to help you get involved in this campaign by keeping you informed. For this reason, we have created this Magazine, where we share, together with our **social media channels**, all the latest relevant news regarding sustainability in the yachting industry.

**We feel that with a small effort, we can make a difference.**

**We can preserve our planet and protect our seas.**

**We can do it together.**

**Do you want to do your part in building a better future?**

**Help us and make the right choice.**

Stay tuned on our website:  
[www.medyachtservices.com](http://www.medyachtservices.com)

*MYS*  
Team



# MYS goes Green: The Magazine

The quote from Paulo Coelho is exactly what we wish to communicate with this edition of "MYS goes Green - The Magazine": our editorial which aims to raise awareness on how essential it is to preserve the environmental impact of navigation.

We take it from here because we strongly believe that our example can really make the difference for the future of our planet since our behaviour has a direct impact on the environment. And only if we start today to change our daily habits, we can create a better future.

The world of yachting is no longer excluded from the actions that have to be taken for transforming the idea of cruising in "cleaner" waters into concrete actions.


The columns that follow one another in this editorial, stimulate us to keep asking ourselves the question "Why change?", continuing creating **new habits**, new products and technical innovations on the market to get involved firsthand from **the little big things that each of us can do on board**.

We will discover the increasingly ecological innovations that concern **super yachts** and we will collect the latest news in terms of **events** and material information that can support us in this new journey. And finally....you'll find some interesting "**Stories of the Sea**" where we share some of the most significant stories that have been part of this always exciting journey, from our closest friends, clients and suppliers.

**This is a promise:** when the direction is the right one, the wind will help us navigate safely towards the goal.

**Enjoy the reading!**





"The world is changed  
by your example,  
not by your opinion"

*Paulo Coelho*

# Why Change?



Cruising towards  
new horizons

MYS goes Green





Why change?

## SOS Ocean



The Oceans are one of our planet's main resources, but they are also one of the areas most threatened by pollution. The environmental situation of the oceans is worrying. There has been a lot of talk about it in recent years but, given that there is still a long way to go, we prefer to continue doing it.

Raising awareness of this problem is a fundamental starting point to arrive at a definitive solution so we hope that the continuous repetition of these topics will lead the majority of people to be more attentive and determined to solve it.

### The oceans are crying out for help!

The ocean is an essential element for life on our planet: it is a source of food, produces 50% of oxygen, regulates the climate and hosts an immense biodiversity but, above all it, it absorbs 30% of the CO<sub>2</sub> present in the atmosphere (not to mention 90% of the excess heat) mitigating the increasingly invasive effects of climate change.

Human activities and the consequent emission of carbon lead to the warming of the oceans and cause of acidification of the waters and loss of oxygen.







## Why change?

This leads to the disappearance of numerous biodiversity put under stress by climatic variations with strong imbalances at the ecosystem level.

The impact is significant. Global warming is increasing sea temperatures by influencing a series of elements such as salinity or water chemistry; to this must be added human activity, which has become increasingly invasive for the environment over the last few decades industrial fishing on a large scale atmospheric pollution and human behavior (often negligent) that cause chemical pollution and waste have put our seas under pressure .

This effects are visible to all: from rising sea levels to ocean acidification, from changing ecosystems to extinction of many marine species. The consequences are not only the flora and fauna, but also the coasts and related coastal communities. In short...a problem that involves everyone.





## Why change?

### Solutions?

There's good news...there's still time to reverse course and save our oceans (and our planet) to give them some breathing room. There is no shortage of solutions.

**Restoration of ecosystems**, such as marine meadows or coral reefs, can protect the coast from erosion and floods and host fauna with benefits also for fishing...coastal deforestation in fact causes the erosion of the shores and the consequent loss of habitat marine;

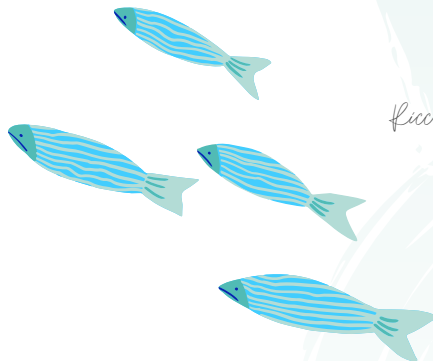
**The conservation of environments** that can offer shelter to key species for the ecosystem and sustainable management of resources given the numerous chemical substances released into waters by industrial, agricultural and domestic waste;

**A significant decrease in the use of plastic** which is one of the main pollutants, in fact every year millions of tons end up in the oceans causing enormous damage to an increasingly delicate ecosystem (to avoid the examples of plastic islands which are unfortunately in continuous expansion);

**The decrease in the use of combustion engines.** Prefer products deriving from sustainable fishing since overfishing is leading to extinction of some fish species;

As you can see, there are just some of the examples of what can be done for our seas, in addition to a series of virtuous activities that are increasingly widespread. Let's look together towards an inevitable change...and with the risk of getting lost among a multitude of possibilities, we recommend the "rule of the three Rs":

**Reduce, Refuse, Recycle!**



*Riccardo Gattani*



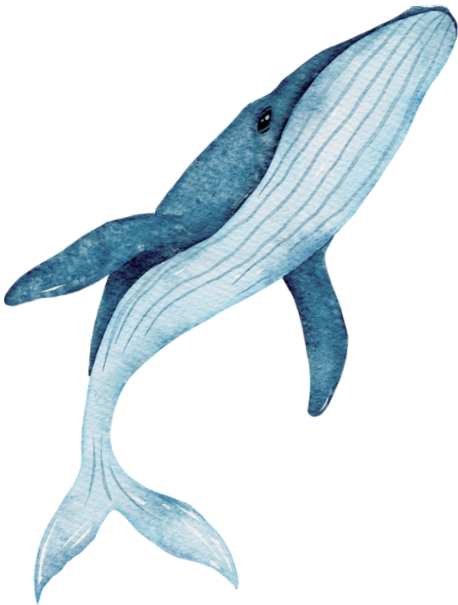


Why change?

## Cetaceans and climate change

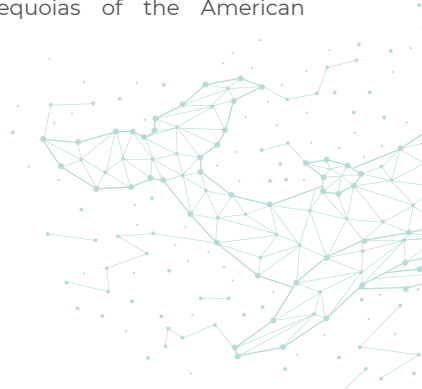
In the seas and oceans of our planet we have "unsuspected" allies against climate change: cetaceans, wonderful and gigantic marine mammals, the largest animals ever to live on Earth.

Protecting the last great whales not "only" essential to avoid the disappearance of these charismatic marine creatures from the peculiar evolutionary path, whose existence undoubtedly enriches our lives, it is also fundamental in the desperate fight against climate change. Indeed, these cetaceans would provide an invaluable ecosystem service (which can be worth millions of dollars per whale), they are able to sequester large quantities of carbon from the atmosphere, helping to counter global warming.



### Raising whales to reduce CO<sub>2</sub>

A study by the International Monetary Fund shows that while we struggle to develop complex and expensive technologies that are currently ineffective for capturing carbon directly from the air and burying it deep in the earth, this service can be performed by whales. A large whale absorbs an average of 33 tons of CO<sub>2</sub> while a tree, for example, annually stores less than fifty kilos. When a cetacean dies it sinks dragging all this carbon dioxide to the bottom of the ocean where it will remain for centuries. The astonishing amount of carbon dioxide sequestered by plankton, whose survival is linked to that of whales is comparable to that of four Amazonian forests and seventy times higher than that absorbed by the colossal sequoias of the American parks.





## Why change?

### Protect the whales to save ourselves

There are currently about 1.3 million whales swimming in the Earth's seas, while their number in the early 1900s was around 4-5 million. If it were possible to restore cetacean populations and bring them back to their former glory, the volume of phytoplankton in the oceans would significantly increase and, consequently, the amount of carbon captured each year. Even a 1% increase in phytoplankton from whale activity would imply sequestration of hundreds of millions of tons of C=2 per year, equivalent to the sudden appearance of two thousand mature trees.

### How to help survival of whales

The Tethys institute and its researchers have been working in the Mediterranean for 30 years, collecting data on the populations of cetaceans present and making them available to the institutions and the scientific community, so that they can be studied and used as a basis for adopting conservation interventions. Even the establishment of the Pelagos sanctuary is due to them, established in 1999 with a historic agreement between Italy, France and the Principality of Monaco.

The outlook regarding global warming and climate problems is becoming increasingly optimistic. The innovations are many, the discoveries are promising and the commitment of the population is increasing. The need now is for agreements that move things around. It won't be easy, it won't be quick, but you must always believe in positive change!

*Nicola Jorjando*





Why change?

# Global Compact: the network of companies

Global Compact is a United Nations project born with the intention of promoting a sustainable global economy that respects human, labor and environmental rights. Founded in 2000, after twenty years it brings together 20000 companies from 160 countries who voluntarily adhere to responsible business principles and practices...a commitment, signed with the UN by the top manager of the participating companies, to contribute to a new phase of globalization characterized by sustainability, international cooperation and partnership in a multi-stakeholder perspective.



**In 2022  
membership  
of the Italian  
network of the  
United Nations  
Global Compact  
grew by 20%**

## What is it?

- 1) A network that brings together companies, governments, organizations and UN agencies
- 2) A platform that provides guidelines for sustainable policy management.
- 3) An operational structure for the development and dissemination of new business practices .
- 4) A forum for sharing responsible business experiences and any critical aspects.
- 5) A set of principles, among which we mention the numbers 7-8-9 (which deal respectively with the precautionary principle towards environmental challenges, initiatives to promote environmental responsibility and the development of "clean" technologies).





## Why change?



## Purpose

GC aims to modify the manufacturing processes by changing the materials in favor of less toxic raw materials and to use the so-called "production synergies" dealing with the separation, recovery and treatment of waste material. Companies are starting to put environmental challenges first, even in the face of an increasingly widespread social demand; to do this, they have to change their modus operandi towards production systems that protect and protect the environment.

Companies must sign the UNEP "International Declaration on Clean Production". They also have to work with suppliers to improve the management of the production chain, redefining the company's strategy and policy. Achieving qualifiable objectives and goals becomes fundamental, without excluding the social aspects of personnel, the community and the environment through the use of voluntary statutes or codes of conduct in order to ensure a transparent dialogue et impartial with stakeholders.

In conclusion, through this network, companies begin to adopt a precautionary approach towards environmental challenges through common management standards to ensure environmental protection in the management of the production chain.

*Riccardo Gattini*



# Nautica Green



Rudder of  
innovation

MYS goes Green





Nautica Green

# Biofuelling: Eco Fuels

Biofuelling is a term that refers to **ecological fuels**, fuels that are produced from **renewable sources** such as biomass, sun wind, water and geothermal energy. These fuels are more sustainable than fossil fuels, as they do not contribute to air pollution and the greenhouse effect.

Green fuels can be divided into two main categories: **biofuels** and **hydrogen fuels**. Biofuels are produced from renewable sources such as biomass, cereals, crop residues, organic waste and waste products. Hydrogen fuels, on the other hand, are produced from non renewable sources such as electricity, water and solar energy.

Biofuels are most commonly used in motor vehicles, while hydrogen fuels are most commonly used in electric vehicles. Both types of green fuels are more efficient than fossil fuels, as they produce fewer polluting emissions. Furthermore, green fuels are cheaper than fossil fuels, as they do not require the extraction of fossil fuels from the ground.

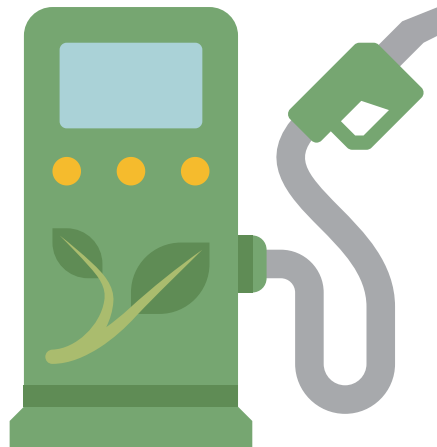
The most common green fuels are ethanol, biodiesel, compressed natural gas (CNG), liquified petroleum gas (LPG), Hydrogen and electricity.

**Ethanol** is a sugar or starch based fuel, while biodiesel is a vegetable oil based fuel.

**CNG** is a blend of compressed natural gas that can be used as fuel for internal combustion engines.

**LPG** is a mixture of liquefied hydrocarbons which can be used as fuel for internal combustion engines or fuel cells.

**Electricity** is a clean energy source that can be used to power electric vehicles.







## Biofuels

Biomass energy can be produced from any material of organic-vegetable origin such as plants, trees, agriculture, urban or industrial waste and from raw materials such as vegetable oils, algal oils, animal fats, microbial oils and waste oils. Biofuels are an important component for solving the problems for energy and change climatic conditions since they can reduce greenhouse gas emissions by up to 95%. Among the various biofuels existing today are biodiesel, also called FAME (Fatty Acid Methyl Esters) which corresponds to diesel, and bio-butanol or bio-ethanol, which are instead assimilated to petrol.

Biodiesel offers a potentially viable solution to reduce the marine sector's environmental footprint and is rapidly gaining interest among consumers and researchers. The European Academies Science Advisory Council (EASAC) in the year 2012 classified biodiesel into four generations according to the types of raw materials used in production; first generation biodiesel is produced from edible raw materials; non-edible oils were recognized as the second generation and waste oil biodiesel was classified in the third generation. Fourth generation biodiesel includes oil derived from synthetic biology technology, which is still under development.





The research related to the LCA of biodiesel confirms the potential of using biofuels as alternative fuels for the decarbonisation of transport since they generate smaller quantities of greenhouse gases from the point of view of the life cycle.

Transesterification is the most commonly used method for producing biodiesel in the current biofuel market. The transesterification process is similar to hydrolysis, except that water is replaced by alcohol in the reaction. Simple vegetable oils (SVO) are the most common renewable feedstock for diesel production in the major biofuel market. The biodiesel WTT phase includes the production of SVO the production of biodiesel and the transport of the biodiesel to the port of supply.

In boating, biodiesel can be used as an alternative to traditional diesel in marine engines. However, there are some important considerations to keep in mind when using biodiesel in recreational boating. One of the main consideration is the compatibility of biodiesel with marine engines. Biodiesel can cause corrosion and other problems in some types of engines; it is also important to ensure that the biodiesel used meets the appropriate standards and regulations for marine use. Biodiesel must meet the ASTM D9751 standard for purify and quality and must be stored and transported in accordance with applicable regulations.

There are several examples of yachts that user biodiesel as fuel, for example:

- **Senses:** this 59m sailing yacht uses. a combination of biodiesel and sailing propulsion to reduce emissions.
- **Arctic P:** 87m yacht built to sail in arctic waters.
- **Emax Super Silent:** 28m yacht uses a hybrid propulsion system which uses biodiesel and electric motors to reduce emissions.



*Federico Gambelli*

## New materials to build eco-sustainable boats

In recent years, there has been a growing interest in developing sustainable materials for use in recreational boating. The need is increasingly felt to use means that are low environmental impact and therefore with an eye to recycling materials, the trend is to try new options that can replace those currently used on board, without affecting the performance or changing the comfort of the boat. The main innovations in terms of materials used in the marine industry can be summarized as follows:



**Natural fibers:** such as linen, hemp and bamboo are used as alternatives to traditional synthetic materials in the construction of yachts. These fibers are renewable, biodegradable and have a lower carbon footprint than synthetic materials.

**Recycled materials:** such as plastic bottles, recycled wood and metals. These materials reduce waste and help conserve natural resources.

**Biodegradable resins:** made with vegetable materials such as soybean oil, corn starch and sugar cane are used as alternatives to traditional petroleum-based resins. These resins are biodegradable and reduce the environmental impact in the construction process.

**Cork:** it is a material that is used in the construction of yachts as an alternative to the traditional teak coating. Cork is light, durable and sustainable because it comes from the bark of cork oaks that can be harvested without damaging the tree.

**Flax seed composites:** these compounds are used to create lightweight yacht components such as hulls and deck structures. Flaxseed-based composites are biodegradable and have a low carbon footprint compared to traditional composites.



Nautica Green

Overall, the use of sustainable materials in yachting is becoming increasingly popular as the industry seeks to reduce its environmental impact and promote sustainable practices. It is important to consider the sustainability of the materials used in the construction and maintenance of yachts and make informed choices that balance durability, functionality and responsibility towards the eco-system.



The increasing awareness of the final customer towards the environmental impact pushes the Builder Yards to search for new solutions and to study and program purchases of materials that are eco-friendly sustainable and in line with the need to preserve the environment from aggressive pollutants and non-recyclable materials.

The future of our planet and in this case of boating must necessarily go through a general rethinking of construction techniques and program new life for materials that after use can be used again in other production cycles.

*Silvia Cuffardi*



## PaperOtto: lee-way for all

Made in Italy never ceases to surprise and this time it's the return of "Paper Otto", the pret-a-porter folding dignhy 3.05 meters long and 1.41 meters wide capable of carrying people (with a capacity of 400 Kg) but, above all, to be easily removed on the roof rack of any car. With P8 you can sail, motor or row without having to incur any storage costs and it can be armed in just a few minutes!



**PaperOtto  
is the dinghy for  
all circumstances:  
from trade fairs  
to holidays!**



Designed by the Italians Marco Oliveto, Michele Vino, and Giorgio Bergamini it was entirely produced in Bari. The boat is composed of wood, resins, composites and hypalon to navigate in different ways...an example of high tech craftsmanship with the characteristic of a low weight, a flat planning hull and a rigid structure that allow very agile movements. Built with the use of precious wood of different essences and **RINA** and **FSC** certified, it makes use of Portuguese rigging (a solution that reduces the height of the mast to the same length as the boat) which ca be integrated with a tri-radial gennaker furling on the bowsprit. The boat is equipped with technical oars to maintain efficient propulsion even when rowing.

P8 also provides for the addition of internal or external tubulars, depending on the configuration chosen: the external ones increase the stability of the boat while the internal ones maintain a good response to the rudder. The possibility of choosing any options also stands out, including the awning or the terraces or the cantilevered seats outside the hull. An ideal boat for all circumstances: from sailing school to trade fair events, from holidays to use a services tender...ready to go?!

*Riccardo Gattani*

# New Habits



It is time  
to veer

MYS goes Green



# BIOGARMENTRY: the breathable material

Fashion today, as in all sectors of the economy, must take into account the environmental impact of its products; the company mantra in the clothing sector is always the same: sustainability with the lowest environmental impact. In fact, according to data from UNEP (the United Nations environmental programme), fast fashion produces 10% of global carbon emissions.

Research in the green field brings new ideas and opportunities: among the protagonists of this change we find the Canadian-Iranian designer Roya Aghighi, creator of "Biogarmentry", a new bio-fabricated fabric with living and photo-synthetic cells.



The bio-degradable material was born in collaboration with the University of British Columbia and consists of the union between a type of single-celled algae and a mix of natural fibers mixed with nano-polymers that start chlorophyll photosynthesis purifying the surrounding air.

## Goals

This fabric wants to change our relationship with clothing, from the negligent consumption of fast fashion to a more empathic connection with our garments.

However, according to Aghighi, consumer habits will take a long time to change, in the hope that it will. last for a long time.

In recent years, environmental start-ups have proposed a series of alternative natural fibers from beech wood into beachwear very similar to cashmere to cactus skin.

### How does it work

In the laboratory, Aghighi's tissue develops different patterns-organic shapes, spots and bands- as the designer images people taking care of their organic coat by spraying their body on the way to work and encouraging it to purify the surrounding air.

Like cotton or hemp, algae sequester carbon by photosynthesizing light to capture carbon dioxide from the air. Microalgae can capture light ten times more solar than terrestrial plants (by sequestering carbon). Increasing the product of seaweed-based fabrics will be essential to arrive at a fashion with zero emissions.



This technology according to Stephen Mayfield, professor of biological sciences at UC of San Diego and inventor of a pair of biodegradable flip flops, is currently where electric vehicle technologies were a decade ago.

We just have to wait...a new opportunity for the market and for the environment is emerging!

*Riccardo Gattini*



# UYN: high performance clothing committed to a Greener World

UYN (Unleash Your Nature) is an Italian Company specialized in the production of high performance technical clothing with a totally sustainable approach. The main mission of the brand, based in Asola, is the zero impact pursued with the project "Committed to a Greener World".

Mattia Bazzoni (CHIEF COMMUNICATION OFFICE of UYN) tells us how the company is pursuing the ambitious goal thanks to the implementation of sustainability practices in every phase of the production process, the zero emission, waste and the preservation of water from pollution of microplastics and chemicals.

In this article we focus on the collection dedicated to Yachting: the Skipper line, consisting of shoes and clothing (t-shirts, polo shirts, shorts, sweatshirts, ultralight jacket), which thanks to the combination of the use of natural fiber and patented technologies stands out internationally.



## The material: the bio yarn of natural original

The **bio-based fiber NATEX**: the yarn derived from castor seeds, instead of oil, guarantees performance, greater elasticity and drying higher than traditional nylon. In addition, this material is 25% lighter than synthetic fibers and thanks to the vegetable derivation it naturally neutralizes odors. The shoe, made of Natex, has a hemp insole that makes it even more fresh and ventilated. UYN shoes are the only shoes in the world derived from stocking: light (less than 200gr), completely seamless, quick to wear thanks to the absence of traditional lacing, water resistant, easy to clean and practical in the boat because easily wearable without sock. Not only the material, but also the production has implemented strict practices for sustainability.



The SKIPPER line is produced in the UYN headquarters in Asola (Mantua), in compliance with the most stringent standards of environmental sustainability. This commitment has been recognized internationally with some of the most important certifications in the textile industry, such as step (Sustainable Textile Production) by OEKO TEX.

The garments were made with energy sourced exclusively from renewable sources, to minimize CO<sub>2</sub> emissions into the atmosphere. Thanks to the company's brand new photovoltaic system and the selection of certified suppliers, CO<sub>2</sub> emissions have been minimized. In fact, in one year UYN saves 410 tons of CO<sub>2</sub>: the equivalent of a car that makes 66 times the world tour (2.7 million km). The Asola plant is equipped with special filters that capture microplastics and prevent their dispersion in water. These chemical particles, to date, are the primary cause of pollution in our oceans by killing hundreds of animal species and entering the human food chain.

A "Zero-waste" production system and a circular economy model: 100% of textile waste is recycled, regenerated and exploited to create innovation. In particular, a part of these materials is given a "second life", eliminating the formation of waste and transforming it into a new material with high insulating performance. A padded jacket by AIRNEST was worn by the UYN ambassador, Omar di Felice for the duration of his bike expedition to the North Pole and Antarctica.

But that's not all... the goal of the company is ZERO IMPACT, for this reason UYN in 2023 decided to launch BIOTECH. The new collection definitively eliminates synthetic fibres derived from fossil fuels, replacing them with bio-based fibres (vegetable or natural).

**BECOLYPT:** the yarn, derived from the fresh and light eucalyptus plant, is ideal for perspiration.

**BIO LIGHT:** the highly resistant and breathable material that comes from beech wood.

**FLEXICORN:** the bio-polyester derived from maize seeds that completely replaces elastane (derived from fossil fuels). Thanks to its extraordinary elasticity and resilience it keeps its original shape longer.

**KAPOK:** the vegetable wool obtained from the fruits of Ceiba Pentandra, the sacred plant spread in the forests of South America. Extraordinarily light, this hollow fiber is composed of 80% air with a very low density and it gains the title of the lightest natural fiber in the world.

**MERINO WOOL:** the best known wool of animal origin, light, soft, warm and breathable.



We hope this reality can be an example for the textile sector that contributes every year in a significant way, with its 1.7 billion tons of CO<sub>2</sub>, to global emissions of landgas. In fact, too few companies use recycled or sustainably produced raw materials. What can we say, congratulations UYN, our pride is all Italian!

*Lorenzo Di Feo*

## Ecoship, the most eco-friendly cruise ship ever



**Finally an eco-friendly cruise: meet “Ecoship” by Peace Boat. Thanks to its characteristics, this vessel will be the greenest ship of the seven seas**

When we think or talk about cruise ships, the first question we ask ourselves is hardly how much they pollute. Yet, as respect for the environment and its protection have assumed more and more importance over the years, such a question, if not in first place, should at least be in the top ten, as our well-being cannot be achieved at the expense of our planet and the "Peace Boat" seems to have understood this for some time.

In fact, since 1983, this non-governmental and non-profit international organization of Japanese origin has worked hard, through re-education programs, to achieve an objective that encompasses both sustainable development and responsible tourism in order to promote navigation in the name of environmental protection.

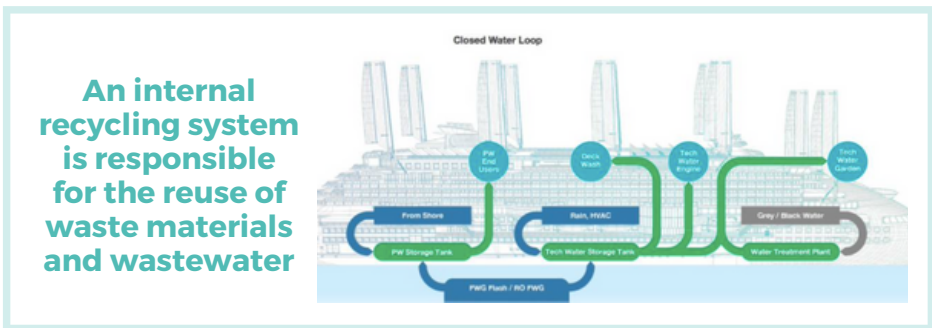
The realization of the Ecoship project, i.e. the construction of the most ecological cruise ship in the world, fits precisely into the vision of this change.



**The ship will mount ten sails with photovoltaic panels and ten with wind turbines, in a position to assuring 40% of the emissions of co2 in less regarding a ship from traditional cruise**

To build the Ecoship, "Peace Boat" turned to the Finnish naval company Arctech Helsinki Shipyard Inc, which boasts extensive experience in the design and construction of cruise ships, simultaneously with the development and application of low-impact environmental technological innovations.

A group of engineers, scientists and experts in the field will collaborate to the project: desining. The Ecoship with a length of 250 m, a width of 32 m and a weight of 60 thousand tons. She will be able to reach a maximum speed of 21 knots, while her cruising speed will be 17 knots. Production costs will be around \$500 million and she will be able to carry up to 2,000 passengers in 750 cabins.



Her design will also be innovative to recall the shapes of a whale and chosen precisely for its hydro and aerodynamic characteristics. It will have extremely **innovative eco-compatible equipment**, among which 10 retractable sails equipped with photovoltaic panels, 10 retractable wind turbines and 12 thousand m<sup>2</sup> of photovoltaic panels that will cover large areas of the boat, including the windows in the common areas. In addition, a closed-loop water system will be installed for the recovery and reuse of wastewater. This way not only waste will be avoided but also the discharge of sewage into the sea. Its hybrid engine will run on LNG (liquefied natural gas), natural gas, MDO (marine diesel) and biodiesel: this way, **compared to a traditional cruise ship, it will be able to reduce CO<sub>2</sub> emissions by 40% , save 20% fuel and reduce electricity consumption by 50%.**

**With a tonnage of 55 thousand tons, Ecoship will cost around 500 million dollars and will host 750 cabins, with the possibility to transport up to 2 thousand passengers**



The Ecoship will be protagonist of learning programs aimed at building a culture of eco-sustainability and will also be used as a laboratory, where she will contribute to international research on the sea, climate and eco-technologies.

With these premises, Ecoship can only become the **reference model** not only for the cruise sector, but for the entire maritime sector, demonstrating the industry that it is us who have to adapt to the needs of the planet, and not the other way around.

*Alessandra Di Feo*

# Experiences & Destinations



## Finding new routes

MYS goes Green



## Falsari's Cave & Pellegrin's Path



Source: fondoambiente.it

Beauties of Liguria are all to be discovered and the excursion to the cave of the counterfeiters is one of the most evocative. Located on the mountain of Capo Noli, in the province of Savona, the Falsari Grotto (also said Briganti Grotto) takes its name from brigands who frequented it to produce smuggling counterfeit coins during the period of the republic of Genoa, between the 5th and 16th century.

It is a natural cave, once submerged, which was formed millions of years ago by means of marine erosion from which it is possible to admire one of the most charming of the Ligurian Sea. Considered one of the most beautiful excursions on the "Riviera di Ponente", it is located along the famous pilgrim's path or a splendid walk on the sea which connects Varigotti to Noli.

The itinerary to the Grotto joins the Pilgrim's Path and Dante's walk forming a sort of "ring path" from which it is possible to admire a breathtaking sea view!

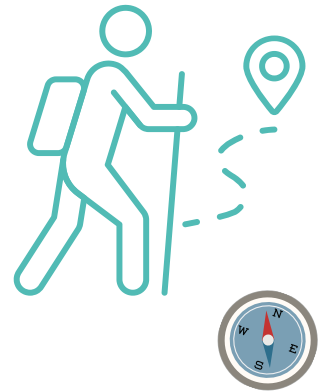


## Dante's walk

In 1306 Dante Alighieri, on his way to France, saw from the path that ran above Noli a flourishing Maritime Republic which he recalled in canto IV of the purgatory of his divine comedy. Thanks to this passage, the route of Dante's promenade was created in the area of Noli (from which the Falsari Grotto can be reached via a fairly steep detour).



Source: fondoambiente.it



## Pellegrin's Path

The Pilgrim's Path closes this "ring", passing by the "Torre delle Streghe" and its panoramic point on the Ligurian Sea. The tower was erected in 1582 to stem the encroachments on the republic of Noli, loyal to Genoa, by Varigotti. It later took the name of "Torre delle streghe" as an affront to the women of Varigotti.

Other panoramic spots can be found at the picturesque Saraceni's Bay and St. Lorenzo's Church (one of the many on this path that takes its name from this peculiarity).

*Riccardo Gattani*

## La Pigna: discovering the historical jewel of Sanremo

There are many yachts that make a stop in Sanremo, a charming town famous all over the world for its beauty, flowers, beaches and the music festival. But it also has some hidden corners that will surprise you. It is the case of its historic center, founded around the year 1000 and called "La Pigna" for its particular structure, where streets, houses and fortifications remind the whole of the shape of a pine cone. The village was enlarged over time maintaining this particular form to allow citizens to protect themselves from the attacks of Saracen pirates that, starting from the ninth century AD, had become more and more frequent.



In this article we lead you on an ideal walk in the Pigna starting with the crossing of the fourteenth-century Porta di Santo Stefano, a real Gothic watershed that divides the modern part of Sanremo from the oldest. Walking, we will find several other doors inside the Pigna; they are all access gates built simultaneously with the construction of the various walls built as the city expanded.



## Walking around La Pigna

Arriving in **Piazza dei Dolori** you can admire medieval coats of arms positioned around the beautiful arcades that allow you to glimpse a maze of alleys and the climb that leads to the top of the ancient city. Under the arcades we find the sixteenth-century **Oratorio di San Sebastiano** and opposite you can admire the **Palazzo Gentile-Spinola**, once a holiday residence of the powerful family of the **podestà** of Genoa and now municipal property.

Our walk continues in **Piazza Santa Brigida** ; large space used by the inhabitants of the Pigna as a meeting place, market and outdoor cinema in summer. The **homonymous deconsecrated church** has been transformed into a cultural center and is home to various events, musical and cultural.

Among the hidden jewels we also meet the **Oratory of San Costanzo** before climbing through the alleys and the characteristic streets that lead us to the **Regina Elena Gardens**, located below the climb that leads to the **Sanctuary of Madonna della Costa** (1630). These beautiful gardens were created in honor of **Queen Elena of Montenegro**, wife of **King Vittorio Emanuele III**, habitual guest of the city of flowers. Our walk stops in this enchanting park that occupies a strategic position thanks to a panoramic view of the old Sanremo and the gulf .





La Pigna is a wonderful historical - cultural heritage to safeguard and since 2007 with the birth of the association "Pigna Mon Amour" has known a real transformation . The association was founded with the aim of revitalizing the historic centre of Sanremo, and through "art and culture tries to stimulate residents in the neighborhood and other inhabitants of Sanremo to cultivate a feeling of care and love towards the ancient heart of the city, always setting as an objective the recovery and revival of the historic center of Sanremo".

Many events are organized by the Association and the program of Summer 2023 at La Pigna will be also full of initiatives with the adhesion this year to the theme "trait d'union" of the 2023 events of the city of Sanremo, and the celebrations of the writer Italo Calvino on the centenary of his birth.



The film festival "Cinema under the Stars" in Piazza Santa Brigida will feature 7 films much loved by the writer (that will take place on July 6th-13th-20th-27th and August 10th-24th-31st at 9.15 pm). Cinema under the stars will be a free event. Mint tea and Moroccan biscuits prepared by the inhabitants of the neighborhood will also be offered, as usual.

There will be also guided tours of La Pigna dedicated to Italo Calvino accompanied by the tourist and hiking guide Marco Macchit o discover the enormous historical heritage of the Pigna city centre. For info & reservations: +39 3381375423.

You can turn the ideal walk described in our article into reality, savoring the thousand facets of a Sanremo , little known but the majority , but for sure full of surprises and emotions!

*Silvia Cuffaro*

# Super Yachts



Beyond  
any limit

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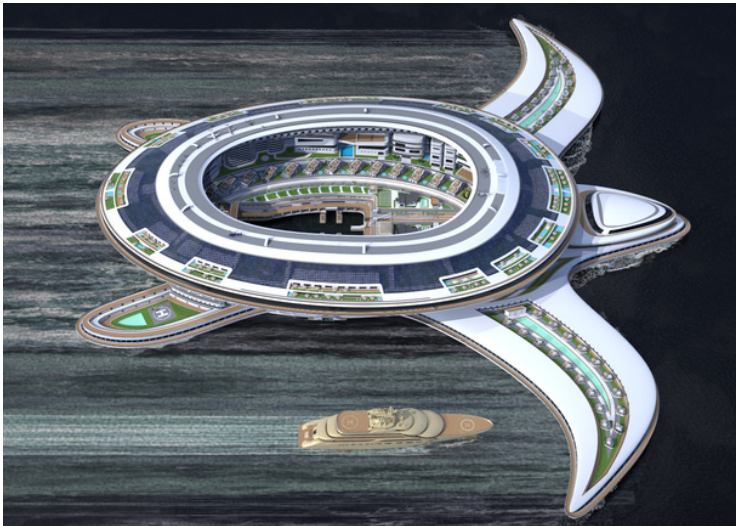


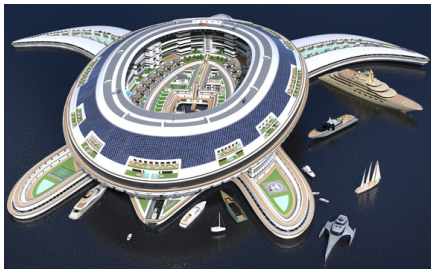
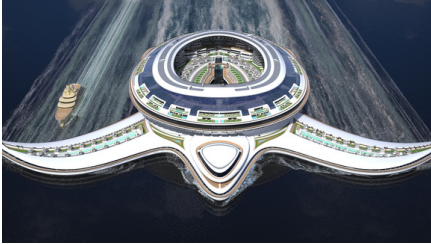


## Pangeos: the zero-emission turtle-shaped terayacht

The Italian designer Pierpaolo Lazzarini, famous for its out-of-this-world yacht concepts, is back with another incredible yacht concept. After his swan-shaped superyacht, Lazzarini has now designed his most ambitious project: Pangeos, a turtle-shaped terayacht.

The name Pangeos comes from "Pangea", the prehistoric supercontinent. With that in mind, Lazzarini designed a futuristic concept for a super-sized floating city. Pangeos stretches out 1,800 feet long and is 2,000 feet at its widest point and it can host up to 60,000 people. The terayacht has been designed as a proper city on the water with multiple commercial and entertainment spaces such as hotels, shopping centers, casinos, sports centers, and parks will give everyone aboard plenty to do when they aren't lounging by the pool or getting sun on the rooftop terrace of their villa. Pangeos will also have ship and aircraft ports in order for people to come and go as they please. The project looks extremely ambitious not only for its impressive design but also in terms of sustainability at sea.





The terayacht would be equipped with nine HTS motors. These are high-temperature superconducting and electric motors capable of delivering 16 800 horsepower.

While sailing, the the turtle's huge legs will gain energy from the braking of the waves, making it capable of cruising in perpetuity. The energy needed to run them will therefore be 100 percent renewable. This means no messy emissions out at sea. In addition to this, the rooftop area lined with photovoltaic solar panels will ensure that the city's electrical needs are met using clean energy.

Pangeos is just an impressive concept for now. But Lazzarini hopes to one day turn this giant zero-emission yacht into reality!

*Chiara de Girolamo*

# Events & Media



Stay tuned -  
not only via VHF

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## True Spirit: an incredible ocean trip based on a true story

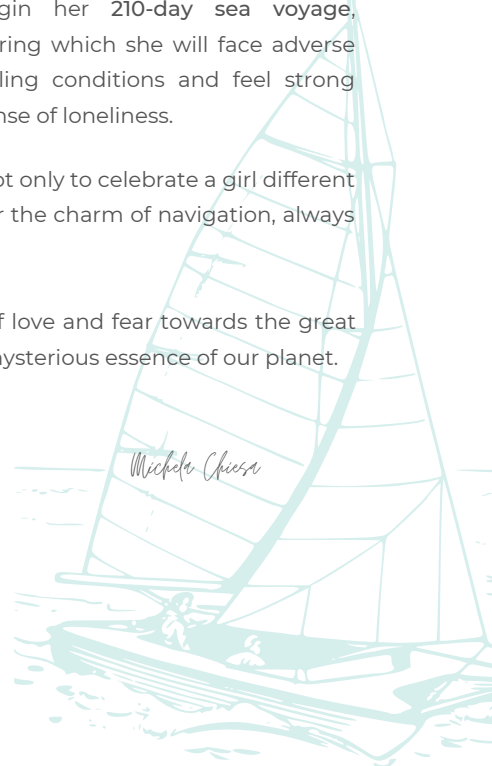


In October 2009, the passionate and persistent sixteen-year-old Jessica Watson, from Australia, prepares to sail alone around the globe, on her sailing boat called Pink. Determined to become the youngest woman to complete such a mission, Jessica does not easily give up: neither her family's worries nor media pressure can distract her from her goal. Even after an accident with a cargo ship happened during a sea trial, Jessica is ready to go. Thus, only a month later, she leaves from Sydney to begin her 210-day sea voyage, during which she will face adverse sailing conditions and feel strong sense of loneliness.



Directed by Sarah Spillane, this Netflix film aims not only to celebrate a girl different from all the others, but also to make us rediscover the charm of navigation, always been at the center of our narrative universe.

This film makes us understand the relationship of love and fear towards the great blue immensity, which remains, in some ways, a mysterious essence of our planet.





## Blue Economy 3.0

Gunter Pauli is a well-known Belgian economist very active in the field of culture, of science, politics and the environment. He founded ZERI (Zero Emissions Research and Initiatives), an international network of scientists, economists and scholars who deal with finding innovative solutions with a less environmental impact. Also famous for the creation of ECOVER, the first company of biodegradable detergents in the world.

Blue Economy 3.0 is a book that offers the innovative vision on how companies can take advantage of the circular economy, exploiting natural resources more efficiently.



### The book

The blue economy is a sustainable economy model that represents a branch of the green economy in which we want to create a sustainable maritime, fish and coastal system through technological innovation.

The term was coined precisely in the book "Blue economy: 10 years, 100 innovations, 100 million jobs" which supports the development of this branch through the development of scientific techniques including the -biomesis- sector which is based on the study and imitation of the characteristics of living species in order to find new production techniques and improve existing ones.

According to the author, the production must take into account the environmental impact to reach 0 CO2 emissions through the creation of sustainable products and the use of energy obtained from renewable sources, achieving the creation of new jobs with lower investments to achieve higher revenues.





## Some examples

We can find an example in Sicily, in the fishing sector, thanks to the creation of a Unique District, a system of responsibility for all the actors of the agro-industry and fishing through the sharing of experiences and knowledge.

Another promoter of the blue economy is SBEP, a European partnership that finances and supports research and innovation projects aimed at guiding and supporting the energy transition.

But how to apply the circular economy to favor of the blue economy?

Just think of **ecodesign**, in the form of designing biodegradable from tools fishing to farms integrated into aquaculture.

Another opportunity passes the **repair and reuse** and this sense we think of the recovery of old boats.

The example of upcycling in which old sails and remnants are used for new products does not go unnoticed! In short.. the wind blows towards the blue!

*Riccardo Gattani*



## Boat Shows

After the last few years marked by restrictions, 2023 promises to be full of events for boating enthusiasts!

In addition to being the right occasion to see the latest news in terms of motor boats, accessories and services, these events represent a chance for customers and shipyards to meet, and the right context for all enthusiasts to discover and choose their ideal model!

Boat shows and nautical fairs are the right place to make contacts participate in events and conferences but, above all, the right time for yachtsmen and shipowners to finally be able to "touch" the boat, something that has been missing in the last few years. Are you ready to discover the most innovative products and services?!

The hunt for the best deals begins.





## Events & Media

Below we propose a list of those planned for the next season:



### September 2023

12-09 / 17-09

Cannes Yachting Festival

21-09 / 26-09

Genoa International Boat Show

27-09 / 30-09

Monaco Yacht Show

### October 2023

25-10 / 29-10

Fort Lauderdale International Boat Show

### November 2023

15-11 / 17-11

Mets Trade Show Amsterdam



# Stories from the Sea



## Log Books

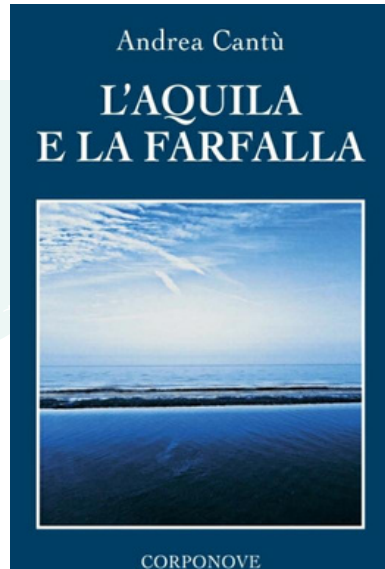
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## The eagle and the butterfly

[...]“There's a window hanging from  
nowhere too  
They look like those anchors in the abyss,  
which instead of sinking into the sand rise,  
like a willful fire,  
a few meters from seabed.  
They are ghosts.  
The window overlooks in the sea.  
You will find me, waiting for you..”

[exepct from "A poem" by Andrea Cantù]



In this new issue of the magazine we are pleased to host Andrea Cantù. Pianist of international level, founder and artistic director of the Iarius International Piano Festival (Como, Italy). He has a degree in Law from the University of Pavia and is currently studying medicine in Rome. Among his interests he has always cultivated a passion for poetry and this year he gives us his first edition with the collection of poems "The eagle and the butterfly".

The book includes fifty poems in which you can find heterogeneous themes, styles and literary references ( from the Old Testament to Greek mythology, from Saba to Merini, from Marinetti to De Andrè). It is immediately clear that Andrea is a pianist: his verses are always attentive to the rhythmic scansion and from every word exudes, powerful, music.

-Hi Andrea! Let's start from the source of your inspiration, can you tell us what it is?

I would answer by making my own the expression of Saint Augustine: "interior intimi meo et superior summo meo", or more inside of myself. I have always written in one go, as if i heard a dictating voice in the deepest part of my soul.



-Why the sea on the cover and the title "The eagle and the butterfly"?

The sea for me means above all freedom, breath, lightness and happiness. And what do the eagle and the butterfly do? The first flies high thinking of dominating everything, even the oceans while the second one goes towards the unknown of the blue horizon without knowing why it does it. Both will have the same fate. Sea is where life originated, it is a metaphor for too many concepts than too little space I could not say...better a two-line poem than a thousand explanations.

-Why are you only posting right now?

I decided to publish to prevent this inner world of mine from being lost. I believe that "my little poems" as i like to call them, can touch the hearts of many and console them.

-Future projects?

In April, the international Piano Festival that i organized will take place on the shores of Lake Como. It's a big commitment but i'm sure it will give me a lot of satisfaction and bring many people, especially young people, closer to the world of art as a whole. And then, getting a medical degree and continuing to write poetry.

*Riccardo Gattani*





Tell us your story to become the protagonist  
of the next edition of the magazine!

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 [marketing@medyachtservices.com](mailto:marketing@medyachtservices.com)



**We are always by your side,  
especially during your holidays!**

**Come to visit us to collect a gift  
for your vacations in green style!**



**We are waiting for you!**

Sanremo | Portosole  
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An aerial photograph of a tropical lagoon. The water is a vibrant turquoise color, with darker patches indicating shallow reefs and sandy bottoms. Several dark, rocky islands and reefs are scattered throughout the scene, some with small structures or vegetation. The overall atmosphere is serene and natural.

"The sea unites the  
countries it separates"

*Alexander Pope*



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