PROTECTING OUR OCEANS FROM PLASTIC POLLUTION

Concrete solutions on land and at sea
It’s also about defending an ecosystem devastated by human action and essential for our survival.

It is a promise we make to our future.

IT IS URGENT TO TAKE ACTION NOW.
YVAN BOURGNON

Renowned French-Swiss skipper Yvan Bourgnon holds a number of sailing world records and has faced extreme challenges, earning him the nickname “Gladiator of the Seas”.

Sailor, adventurer, environmentalist, he has been traveling the oceans since the age of 8 and has witnessed their deterioration first-hand.

In 2016, determined to do something about it after his last solo trip around the world, he created The SeaCleaners, a general interest association under French law 1901.

9 million metric tons of plastic waste dumped in the oceans every year.

17 metric tons dumped every minute.

3,800 marine species impacted.

1.5 million marine animals killed each year.

If we don’t act now, by 2050 our oceans will contain as much plastic as they do fish*.

*Source: Ellen MacArthur Foundation
ON LAND
We alleviate the problem at its source through education and public awareness initiatives. We carry out waste collection operations with our teams of volunteers. We support the transition to a circular economy by developing and demonstrating innovative and ecofriendly technological solutions.

AT SEA
We collect floating plastic waste in high concentration areas before it sinks or breaks down into microplastics.
We contribute to scientific knowledge through research and open data sharing.

ON LAND
The Seacleaners takes concrete action to prevent and mitigate plastic pollution.

We alleviate the problem at its source through education and public awareness initiatives. We carry out waste collection operations with our teams of volunteers.

We support the transition to a circular economy by developing and demonstrating innovative and ecofriendly technological solutions.
THE MANTA

An environmentally friendly high-tech ship.

The first boat-cum-waste plant with four complementary missions. A comprehensive response to plastic pollution.

A SOLUTION FOR COLLECTING WASTE and converting it into resources.

Four collection methods and an on-board plant with pyrolysis to sort, process, repurpose and manage 100% of waste collected.

A SCIENTIFIC LABORATORY to advance global research.

50 sq.m of state-of-the-art scientific facilities to geo-position, quantify and record details of plastic pollution. Open data sharing with the scientific community.

A BOAT FOR EVERYONE the cornerstone of our awareness activities.

200 sq.m to host the public for awareness and prevention initiatives during stopovers.

A DEMONSTRATION TOOL to accelerate the transition to a circular economy.

Showcasing innovative technological solutions for waste management, repurposing and valorization, and technologies for clean sailing for smart and green ships.
LAUNCHING IN 2025

Collection goal up to 1m deep: 5,000 to 10,000 metric tons/year. Collection of waste up to 10mm small.

62m high | 56.5m long | 46m span

90% of plastic processed on-board

75% energy autonomy (on average)

32 people on-board

A MINIMAL ENVIRONMENTAL FOOTPRINT

A combination of renewable energy sources:
- Two wind generators
- 500 sq.m of solar panels
- Hydro-generators
- Sailboat with hybrid propulsion
- Conversion unit that turns plastic waste into energy through pyrolysis
- Automated rigging

Acting where it matters.

The Manta intervention zones

1000 Rivers Emit Nearly 80% of Riverine Plastic Pollution into the World’s Oceans*

An unlimited reach

An active, mobile solution, the Manta is designed to operate in river mouths and estuaries – areas where plastic waste builds up but has not yet begun to disintegrate or drift to the oceans.

The ship can be quickly deployed anywhere in the world after natural disasters (hurricanes, tsunamis, etc.) to collect floating waste before it sinks.

It is equipped with two small "Mobula" multi-purpose collection boats capable of cleaning macro-waste, micro-waste and hydrocarbons in narrow or shallow areas: calm and protected waters, lake areas, at sea up to 5 miles, rivers with strong currents, etc.

*Lebreton and al., 2021

The Mobula 8 is in action on the field as of June 2021.
A TEAM OF PARTNERS EMBARKING on a unique adventure

EXPERTISE
The technical consortium
20 renowned industrial partners.
5 research laboratories.
60 engineers, technicians and researchers.
More than 45,000 development hours.

KNOWLEDGE
The International Scientific Advisory Board
15 peer-recognized experts from around the world.
A rigorous scientific approach to set the direction of the association’s work.

COMMITMENT
The volunteers
A network of 1,500 volunteers.
15 regional delegations in France.
240 waste collection operations per year.
30 metric tons of waste collected.

CALLING
The association team
36 employees.
7 areas of expertise.
Presence in France, Switzerland, Spain, Indonesia.

SUPPORT
The corporate partners
Picoty endowment fund, IKKS, Spadel, Courir, MTB, ENTENDRE and more than 60 French and international companies supporting us.

International alliances and working groups
Global Partnership on Marine Litter
Plastic Pollution Coalition
UN Decade of Ocean Science for Sustainable Development
Group of Friends to combat Marine Plastic Pollution
Blue Manifesto

The institutional partners
UN Environment
UN Decade of Ocean Science for Sustainable Development
Group of Friends to combat Marine Plastic Pollution
Blue Manifesto
JOIN US
BE PART
OF THE CHANGE.

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