90,000 PLASTIC BAGS per Seabin per year.

Is the capability of each Seabin.
All for less than $1 per day.
THE SEABIN
DAILY CATCH

20 LITRE containers will not fit inside, but they are kept against the side of the Seabin due to the inflow of water.

5 LITRE containers fit inside the Seabin catchbag.

90,000 shopping bags is what the Seabin can catch per year.

11,900 plastic bottles is what the Seabin can catch per year.

50,000 600ml water bottles is what the Seabin can catch per year.

35,700 Disposable cups per year is what the Seabin can catch per year.

OIL Seabins are capable of skimming surface oil and pollutants.

PLASTIC PARTICLES are the second most caught item in the Seabin.

- 117,647 plastic utensils is what the Seabin can catch per year.
- CIGARETTE BUTTS are the most common caught item in the Seabins.
- MICRO PLASTICS 2mm in size are caught in the Seabin.
- MICRO FIBERS are now being successfully trialed using 2 stage 1:5 filters.
WITH THE ADDITION OF CUSTOM OIL PAD TECHNOLOGY, THE SEABIN IS IDEAL FOR SKIMMING SURFACE OIL.
SEABIN’S CAPTURE MICRO PLASTICS

DOWN TO 2MM IN SIZE.
A word from our CEO

2017 has been an incredible journey to remember and Seabin Project would not be where it is today without our supporters, family, friends and pilot partners.

This year we have grown in many ways, from the technology, the team, educational programs, to our own personal development. It has been an exciting learning curve so far and we cannot wait to see how 2018 pans out.

We are also extremely proud that some of our pilot partners have won awards assisted by Seabin Project and that others have met their objectives for 2017.

With momentum increasing everyday through the marina industry, environmental agencies, the media and general population around the world, the global roll out of the Seabin V5 pre series units has been an international success from day one, but definitely not without its challenges which we have overcome thanks to everyone who is and has been supporting us.

Pre sales opened in November and I am excited we have initiated the first steps in getting the Seabins on the market and into the marinas where they can make a measurable impact using technology, education and science.

By the end of 2017 we should have around 32 countries involved in Seabin Project and the Seabin educational programs.

Pete Ceglinski
CEO & Co Founder
Seabin Project
SEABIN PROJECT OVERVIEW

Seabin Project provides upstream solutions for cleaner oceans. The Seabin Project is far more than a product. Our ultimate goal is to live in a world where we have no need for Seabins. To do this we are implementing a "whole solution" approach using Education, Science and Technology.
We are excited to introduce the Seabin technology in helping to solve, educate and prevent our oceans pollution problems.

The Seabin is a revolution in ocean cleaning technology. It helps create cleaner oceans with healthier marine life.

The idea was to build a sustainable floating garbage bin that could collect water borne plastics and trash 24 hours a day. Over time, the scope of the project evolved into a comprehensive research, technology, and educational initiative with global interest and reach.

The marinas, ports and yacht clubs are the perfect place to start helping clean our oceans. There are no huge open ocean swells or storms inside the marinas, its a relatively controlled environment. The wind and currents are constantly moving the floating debris around in our oceans and in every port, marina or yacht club there is always some pollution heavy areas based on the predominant wind and current directions. Therefore it is the perfect place to start making a difference!

One of the goals for Seabin Project is to provide practical and tangible solutions to reduce the plastics in our oceans which is one of the worlds greatest environmental problems.

Together we have the power to fight this global issue and make a difference

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SEABIN PROJECT FACT SHEET

ONE SEABIN CAN CATCH 1 TON DEBRIS PER YEAR

RUNNING COST LESS THAN $1 A DAY

SEABINS CATCH MICRO PLASTICS 2MM IN SIZE

Dominate Catch
- Food wrappers
- Everything Plastic
- Cigarette Butts

WWW.SEABINPROJECT.COM • 16 • SEABIN PROJECT· 2017
HOW IT STARTED

It all started from a passion for the oceans and the hard realisation that human over consumption and waste mismanagement was killing our oceans.

This is how, Andrew Turton and Pete Ceglinski, two avid water lovers, decided to quit their jobs to create a “Seabin” that would collect trash, oil, fuel and detergents.

Andrew “Turtle” started the Seabin concept 7 years ago. A boat builder and sailor by trade, Turtle spent years sailing and traveling around the world and it all stemmed from a simple thought of “if we can have rubbish bins on land then why not have them in the water” and then the journey began from there.

In 2013 Turtle teamed up with fellow boat builder Pete Ceglinski and the two launched the Australian company Seabin Pty Ltd in 2015.

Pete, CEO and Co Founder has a background in product design but switched to boat building after becoming disillusioned by designing single use plastic products with short life spans. An upbringing of surfing, swimming, fishing and diving in Australia combined with “design and hands on” experience has given Pete the life skills and respect for the ocean that reflects in the Seabin Projects vision and direction.

These values cement a strong working partnership with all stakeholders involved.

In 2014, Pete quit his job and used his savings to lease and renovate an old disused furniture restoration factory in Palma Mallorca, Spain.

Setting up the factory and project brought about many challenges that Pete was quick to overcome.

From learning how to weld on YouTube, re-wiring the factory lights and outlets or how to operate a 50 year old sewing machine and sew catch bags for the Seabins was an enjoyable learning curve with benefit for the project.

Using common sense and initiative, Pete and the team have developed the Seabin Project to what is today by understanding their strengths and weaknesses and also to promote the project in a positive and inspirational way.

We have found through trial and error that by making people feel good about themselves is the best way to make a positive impact.
The issue of marine litter is one that will have to be dealt with for generations to come and therefore we need to provide the knowledge, tools and capacities to the decision makers of the future, our children. Education is the first step to lasting and effective solutions. With marine litter, children can play a direct and significant role in reducing the sheer amount entering the oceans. Every child who learns to dispose of trash properly can be one less “source” person littering and they have the potential to spread the word to friends and family amplifying the effect.

THE REAL SOLUTION: EDUCATION

THE GLOBAL AMBASSADOR PROGRAM is an initiative to teach the issue of plastic littering through a series of lessons suitable for schools. From lessons and data collection to activities on how to design and build products and technology, this is the real way forward as a solution.

The GAP has been implemented by Seabin Projects pilot partners who allow local schools, sports groups and environmental groups to interact with the Seabin technology. The data collected and research using the Seabin's helps building our base data and developing more educational programs toward a better understanding of the floating waste problem in our oceans.

Currently there are 5 countries with Seabin GAP lessons that have been included into school curriculum. Everytime we arrive at a location to install a Sea bin we make sure students are involved in the process. We can proudly say that since the beginning of the Seabin adventure more than 2300 students have been introduced to the Seabin and the issue of oceans pollution.

RESEARCH & DEVELOPMENT

On the scientific side, everyday there is continued support from universities and environmental groups around the world to be involved with Seabin Project. World renowned environmental engineer Jenna Jambeck is currently involved in scaling up the data collection side with the support of a global app to make the data collection more efficient and for ease of use; Jenna is famous for creating the marine debris statistics that all professionals, students, scientists are quoting or referring to. Our Pilot Partners also constantly help us collect data and develop new technologies.
SEABIN PROJECT OVERVIEW

The VS Seabin unit is a floating debris interception device designed to be installed on floating docks in the water of marinas, yacht clubs, ports and any water body with a calm environment and services available. The Seabin is not designed or suitable for open water bodies where boat traffic and large currents or waves may have an adverse effect on the performance of the Seabin.
THE SEABIN

WHAT'S A SEABIN?
The VS Seabin unit is a floating debris interception device designed to be installed in the water of marinas, yacht clubs, ports and any water body with a calm environment and services available.

HOW TO MAINTAIN THE SEABIN?
The catch bag can hold up to 20 Kgs of debris and it is advised to be checked twice a day and emptied as needed. The Seabin needs to be cleaned at least once per month and to be checked regularly.

WHERE TO PLACE IT
The Seabin is installed in a specific "Debris problem area" in the marina on a floating dock. This strategic positioning enables the wind and the currents to push the debris directly to the Seabin.

HOW DOES IT WORK?
The Seabin moves up and down with the range of tide collecting all floating rubbish. Water is sucked in from the surface and passes through a catch bag inside the Seabin, with a submersible water pump capable of displacing 25,000 liters per hour, plugged directly into a 110/220V outlet. The water is then pumped back into the marina leaving litter and debris trapped in the catch bag to be disposed of properly.

TECHNICAL DETAILS

- Power: 110V/220V - 500W
- Pump: 25,000 LPH
- Sturdy HDPE construction
- Marine Grade Stainless Bracket
- Capture micro plastics > 2mm
- Catch bag holds 20kg
- Seabin dimensions 500x500 mm
- Weight with bracket 40KG
- Running cost: $1 per day
- Reusable catch bags
- Electric cable 6 m long
- 2 years warranty
- Adaptable to run on solar power
- Recyclable components
- Captured litter estimated 1.5kg/day
WHY SEABINS

THE EXISTING SOLUTION

The existing solutions addressing the oceans pollution problems are typically the "trash boats". These boats drive around harbours and marinas scooping up rubbish with nets built into them.

They are very expensive to run and maintain and while they do a lot of good, they are not very effective according to the marinas that operate them says Caterina Amengual, General Director of the environment for the Balearic islands, Spain.

Marina workers walk around with nets scooping the rubbish out of the corners where it all converges. Again while these guys they are doing a great job, they just cannot keep up with the pollution says Eli Dana, General Manager of Newport Shipyard, Rhode Island.

SUSTAINABLE SHIFT IN THE MARINE AND TOURISM INDUSTRY

Across the tourism and marine industry, there is a growing awareness around sustainability which has evolved from a "nice thing to do" to being an integral component of business strategy as companies look towards the future with regards to the impacts and associated challenges of climate change, growing regulation, and demand for transparency around sustainability related topics.

Environmental and community responsibility has become more and more of a priority for travelers in recent years and they want to know that the companies they choose to engage with are having positive impacts on the world around them. It is an important detail in the decision making process of purchase by an increasingly environmentally aware generation.

SEABIN IS A BETTER SOLUTION

- LOW COST
- SILENT
- REDUCED WATER CLEANING TIME
- OPERATES 24/7
- 500 KILOS OF WASTE/YEAR PER SEABIN
- EDUCATIVE & PREVENTIVE
- SUSTAINABLE
- TOURISTIC ASSET
- MASSIVE PUBLIC AWARENESS
COMPONENTS OF SEABIN

THE CATCH BAG

CATCH BAG COVER
CATCH BAG HANDLE
CATCH BAG FILTER
CATCH BAG RING

The Catch bags are designed for long life with sturdy materials. If somehow the Catch bag filter has a problem it is easily replaced. The Catch bag handle, catch bag ring and Catch bag cover are removable and reusable.

SEABIN’S COMPONENTS

CATCH BAG HANDLE x2
CATCH BAG COVER
CATCH BAG FILTER x2
CATCH BAG RING x2
3 X M8 LOCK NUTS
3 X M8 WASHERS
INNER FLOAT LID
MAIN BODY
WATER PUMP

4 X M8 BOLTS
4 X M8 WASHERS

BREATHER TUBE
4 X M16 SPRING WASHERS
CLAMP COVER
ELECTRICAL CABLE
DOCK BRACKET
6 X M12 COACH BOLTS
6 X M12 WASHERS
(not supplied, due to size variation)
WATER LEVEL MARK
BRACKET POST
3 X M12 BOLTS
3 X M12 WASHERS
3 X M12 LOCK NUTS
CABLE COVER HOLE
CABLE COVER
4 X M8 LOCK NUTS
4 X M8 WASHERS

*All measurements are in millimeters
HOW THE SEABIN WORKS
UPSTREAM SOLUTIONS FOR CLEANER OCEANS
8.1M TONS OF MISMANAGED WASTE ENTERS OUR OCEANS EVERY YEAR.

EACH SEABIN HAS THE CAPABILITY TO CATCH A 1/2 TON OF DEBRIS EACH YEAR.

WHILE THIS NUMBER IS NOT EVEN CLOSE TO THE AMOUNT GOING INTO OUR OCEANS, ITS NOT A BAD START!
STRATEGIC POSITIONING OF THE SEABINS ENSURES OPTIMUM PERFORMANCE

WIND, CURRENT AND TIDE BRINGS THE FLOATING DEBRIS TO THE SEABINS

SEABIN CAPABILITIES PER YEAR
• 90,000 PLASTIC BAGS
• 35,700 DISPOSABLE CUPS

SEABINS ARE CATCHING SURFACE OIL WITH THE ADDITION OF CUSTOM OIL PAD TECHNOLOGY.
OFFICIAL DISTRIBUTOR AND MANUFACTURER FOR SEABIN PROJECT

MEET PORALU MARINE

In March 2016, French marina building company Poralu Marine signed up with Seabin Project to be the exclusive worldwide manufacturer and distributor. Poralu has factories on 2 continents and a distribution network covering 18 countries.

"To remain a leader in our field we must be prepared for future challenges. Plastic pollution is a large and predominant one! In the group, we are investing for many years in the development of eco-friendly solutions. Therefore it seemed natural to support Seabin Pty Ltd because Pete and Andrew have put their hearts into this and they were able to provide a realistic and affordable solution. We aim to co-develop the Seabin system in order to meet the specific needs of our customers. This partnership is just the beginning of a long term collaboration for both companies." Faycal Rezgui, Head of CEI the environmental branch of the Poralu Marine Group

PORALU MARINE

8,000 references over the five continents have lifted Poralu Marine among the leading international companies in the field of pontoons and harbor facilities.

Founded in 1982, Poralu Marine is a systems integrator for marinas that develops solutions and equipment in line with economic, social and environmental requirements of its customers. Poralu Marine was one of the first to use aluminium as the exclusive structure for pontoons. Thanks to a R & D and design department using advanced technology, the company now offers a wide range of products: diving rafts, leisure pontoons, footbridges, catwalks, landing stages, etc. It is heavily engaged in the research and innovation of eco-friendly, sustainable, flexible and aesthetically pleasing solutions. Its subsidiary CEI, water treatment specialist with a high environmental bias, assists its clients in an active environmental approach. The ambition is to develop the future of ports and to provide customers with complete and autonomous solutions (pumping and water treatment, waste management, eco-lighter multi-purpose work, independent living platforms and marine renewable energy.

Based in Port (01) - France (headquarters), Poralu Marine has 120 employees and generated on the 2015/2016 financial year 22.5 million of consolidated sales with 70% operated internationally.

Poralu Marine Official Supplier
SAFE HARBOR MARINAS

Safe Harbor Marinas is the world's biggest owner-operator of marinas.

With 64 marinas owned in 17 states, and over 30,000 boaters, Safe Harbor plans to install the Seabin technology in all of their locations across America and also to implement the educational program in all locations with local schools.

It was the first marina company in North America to install the innovative Seabin technology.

Safe Harbor Marinas has installed Seabins in Cabrillo Isle Marina San Diego, in San Diego, Ventura and two in San Francisco Bay Area marinas — Balboa Isle Marina in Alameda and Emeryville Marina in Emeryville.

It is exciting that Safe Harbor Marinas, the largest owner and operator of marinas in the world, has stepped forward to embrace such an important environmental cause and project.

BUTTERFIELD

Butterfield is a full-service bank and wealth manager headquartered in Hamilton, Bermuda, providing services to clients from six jurisdictions: Bermuda, the Cayman Islands and Guernsey, where its principal banking operations are located; and The Bahamas, Switzerland and the United Kingdom, where it offers specialised financial services. Banking services comprise retail and corporate banking.

"As an island-based financial services company, the economies and daily life in our communities are tied to the ocean," declared Butterfield CEO Michael Collins.

“We are, therefore, focusing our corporate giving efforts on the protection of the marine environment. The Seabin Project, with its innovative approach to addressing the problem of plastics in the ocean — combining technology and education — was a natural fit with our environmental focus, and we are pleased to be working with the Seabin Project team.”

At the moment Butterfield has sponsored Seabin in Bermuda, Cayman and Halifax.

The offshore bank group is also implementing school and data collection programs in each location to help ensure a cleaner future for the next generation!”

PILOT PARTNERS
PORTO MONTENEGRO

Porto Montenegro is a full service marina located in the Bay of Kotor offering berths, luxury residences, boat refit & repair services, captain & crew facilities.

The marina has a long standing history of environmental initiatives and forward thinking which has put it at the forefront of the highly exclusive and competitive nautical industry.

Porto Montenegro recognizes that responsible tourism is as much about giving to the local community as it is about protecting the natural environment.

"As a progressive world leading Superyacht Marina, Porto Montenegro is excited to be teaming up with the Seabin Project as a pilot partner. Maintaining a clean and rubbish free marine environment has always been an important focus for Porto Montenegro. Partnering with Seabin Project allows us to not only improve our waterborne refuse collection methods, but to also become part of a bigger environmental initiative by way of educating the next generation in the importance of environmental awareness, and recycling / upcycling of existing refuse. We are excited to have this opportunity," said Tony Browne Marina Director.

Porto Montenegro has implemented the global pilot partner program with the Knightsbridge International School where the students have the opportunity to see what is collected by the Seabin and use this information in conjunction with the lessons to learn more about plastic pollution and the effects on the environment. Porto Montenegro is also acting as ambassadors in the pilot program, hoping that more marinas and ports will follow this lead and participate in the data and research programs.

WAERTSILA

Wärtsilä is a global leader in advanced technologies and complete lifecycle solutions for the marine and energy markets. By emphasizing sustainable innovation and total efficiency.

The company is transforming traditional shipping and energy markets by developing sustainable and renewable solutions that improve the environmental footprint of maritime transport and energy generation.

It was the first big industry entity to partner with the Seabin Project and will be operating as a Seabin Project’s global pilot partner for the next three years.

For the duration of the partnership program, Wärtsilä will be donating floating rubbish bins to the City of Helsinki and the Port of Helsinki, which are responsible for operating and maintaining the floating bins in Helsinki. Wärtsilä is also negotiating the donation of floating rubbish bins for the Turku guest harbour on the Aurajoki river and for the city of Vaasa. Wärtsilä are also helping to implement the educational programs to local youth and supporting Seabin in its mission for cleaner oceans.

"Wärtsilä is taking responsibility for the future of the marine environment, and we are honoured to be involved in the Seabin project. As one of the leading solution providers in the marine industry, we are constantly developing new environmental technology, such as using plastics as fuel, which we are currently testing. However, the most important thing to remember is that every one of us can do our bit for the cleanliness of the marine environment," says Atte Palomäki, Executive Vice President, Communications & Branding and member of the Board of Management at Wärtsilä.

Wärtsilä is also a member of the Sustainable Shipping Initiative and is a signatory to the UN’s Global Compact initiative.
PORT ADRIANO

Port Adriano is a super-yacht harbour in Mallorca. It was designed by famous French designer Philippe Starck and has berths for boats between 6 and 100 meters long as well as shops, bars, restaurants and a range of watersports.

Port Adriano has a history of involvement in environmental solutions and educational programs, and enjoys a high industry profile due to its progressive stance.

"Being a pilot partner is more than just a statement, it is about playing an active role as a first mover in the global challenge to rescue and protect the oceans we love so much": Port Adriano contacted the Seabin team in the infancy stages and expressed interest as early adopters of the innovative Seabin technology," says Antonio Zaforteza, CEO of Port Adriano.

The marina is collaborating with Seabin Project and local organisations in a hands-on approach to through the Global Ambassador Program based on education and research.

Port Adriano received a Corporate Social Responsibility awards for greeting Seabin project in its facilities. This award was given at the occasion of the first Premises of the Tourism of the Balearic islands launched by the government and was created as a measure to provide incentives for sustainable initiatives in the Tourism Industry.

La Grande Motte is a progressive city and government run marina in the south of France in the Mediterranean sea. The city has an impressive history of environmental initiatives and was the first marina to approach the Seabin Project to become the first pilot partner.

The active participation of La Grande Motte port at different stages of the research and development phases jointly managed by Poralu Marine and Seabin Pty Ltd teams aimed to develop an efficient product. This unique partnership is technically supported by the Port service team confirmed by the positioning of La Grande Motte as an innovative and future-oriented city. The municipal commitment to sustainable development is important and daily actions are taken in the sustainable management of the Port and the city is numerous.

This collaboration between La Grande Motte, The Seabin Project and Poralu Marine also aims to raise awareness on the problem of ocean pollution and its consequences for wildlife and marine flora as for human health. This is part of a broader framework of environmental and educational actions taken for many years by the city.

Stéphane Rossignol Mayor of La Grande Motte explains: “This collaboration with Seabin Project compliments what is implemented already by La Grande Motte and what makes our city an example in terms of environment preservation and innovation (use of renewable energy, recycled street furniture, waste management, project ‘Breathe’ to study marine life ...). The vision of The Seabin Project is in line with our objectives: find operational solutions to the pollution problem and engage the public to adopt responsible behavior. We want to awake environmental awareness of the greatest number.”

PILOT PARTNERS
PRESS

Fox News  CBS  BBC  abc  The Telegraph  theguardian  The New York Times  Europe1  franceinfo:  BUSINESS INSIDER  THE HUFFINGTON POST  DailyMail  The Indian Express  L'EXPRESS

AND MANY MORE

AWARDS

PRODUCT & SERVICE AWARD
BUTTERFIELD BERMUDA AND SEABIN

CORPORATE SUSTAINABILITY
PORT ADRIANO AND SEABIN

DESIGN CATEGORY AWARD
PORALU AND SEABIN - METS
THE WHOLE SOLUTION STRATEGY

BECAUSE THE SOLUTION IS MORE THAN THE TECHNOLOGY
By refusing single use plastics, we can all help stop the amount of debris going into our oceans.

Visit our webstore at www.seabinproject.com and see how you can reduce your single use plastics.