



THE OCEAN CLEANING PROJECT®

DRIVEN BY SPRIN-D

Micro plastic is a global challenge for the earth. We found a macro solution to save the planet.

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Each year, ca. 140 million tons of plastics enter our oceans, that is the equivalent to dumping 26 truckloads of plastics into the ocean every minute.

Plastics in the ocean do not biodegrade, but rather break into smaller and smaller pieces. When combined with microplastic, such as microbeads in personal care products, released directly into waterways, the majority of plastics in the waters and oceans are **less than 5 millimeters in size.**

Until today there is no technical and economical system to collect and remove micro plastic and colloidal pollution from waters on a large scale.

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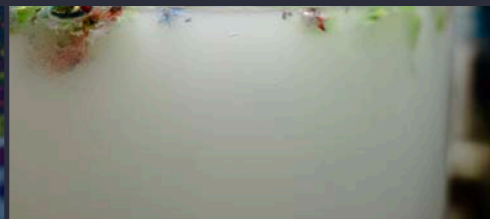
The **Heritage**: The enviplan® patent produces **microbubbles** of 30-50µm slowly rising in water.

The **Innovation**: We inject and drive a **mega size microbubble cloud** directly through lakes, rivers and last but not least, the ocean.



MICROBUBBLES LOVE MICROPLASTIC

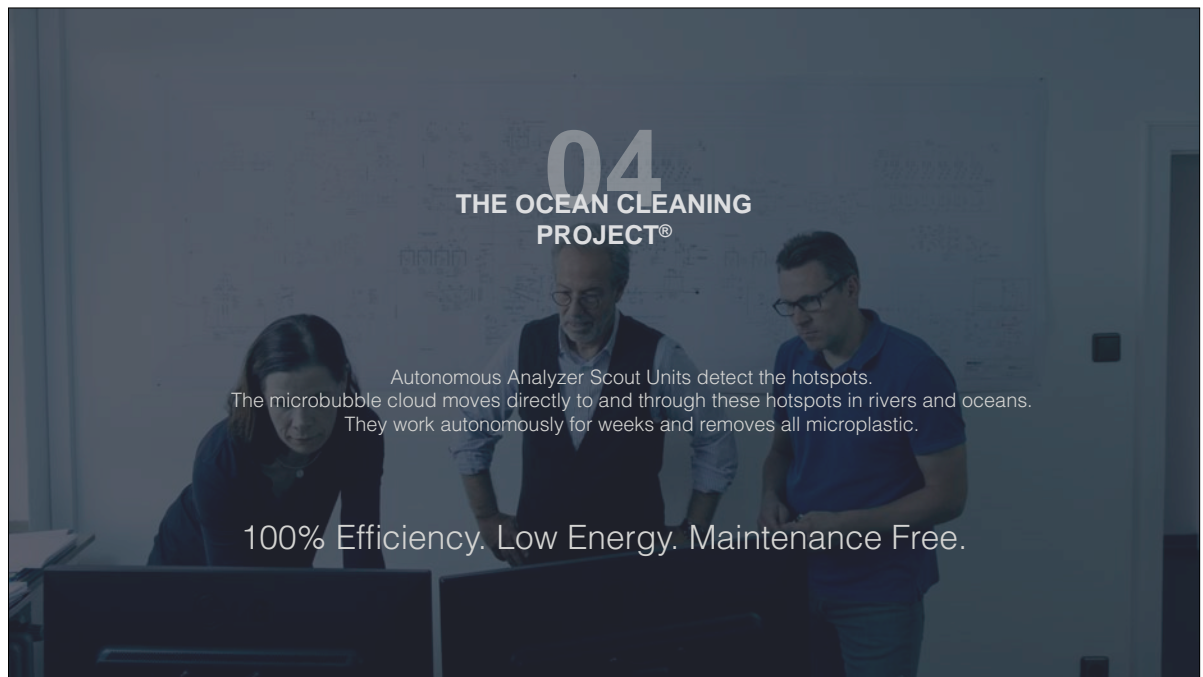
Microbubbles attach to hydrophobic material and lifts it to the surface of waters



AND THEY FLOW AS ONE...

Once lifted to the surface, microplastic can easily be vacuumed. It leaves pure and clean water.

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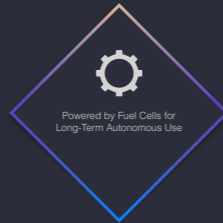
Autonomous Analyzer Scout Units detect the hotspots. The microbubble cloud moves directly to and through these hotspots in rivers and oceans. They work autonomously for weeks and removes all microplastic.

100% Efficiency. Low Energy. Maintenance Free.

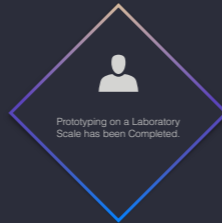
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Hotspot Use in Rainwater Retention Basins, Rivers, Harbour Basins, Lagoons and Open Sea



Powered by Fuel Cells for Long-Term Autonomous Use



Prototyping on a Laboratory Scale has been Completed.

5-200HA/DAY 99,7%

Treatment in open water with a Microfloat Cloud Unit of 10-50m in diameter.

Micro-plastic elimination under laboratory conditions with river water and 0,125-4mm from different plastic fractions.

2021

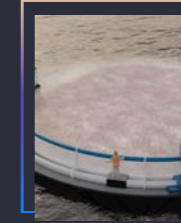
The engineering for the practical test in open water can now begin.

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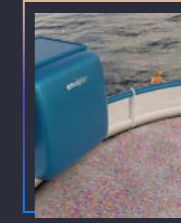
DESIGNED FOR 200 HA/D

Analyzer Scouts Locate the Hotspots



AUTONOMOUS NAVIGATION

Master Unit Operate on GPS

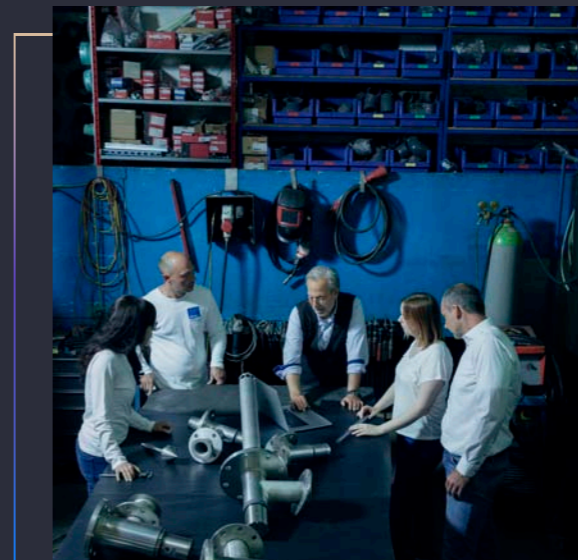


MICROPLASTIC IS VACUUMED OFF

Plastic is Vacuumed From Surface

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„The origin of the earth was natural,
its rescue must unfortunately, be scientific.“
Roland Damann



THANK YOU

Roland Damann
Dammstrasse 21
+49. 170. 7629925
www.enviplan.de
damann@enviplan.de