Company Presentation and Business Cases



Plastfree Ocean is a Danish company based in Malaga and Copenhagen.

Our mission is to pick up plastic from the ocean, in rivers, at beaches and nearby places. It is very important to us that plastic we are picking up is recycled instead of incinerated or placed in landfills.

We are using the pyrolysis technology to get plastic recycled.



Every day, in average, over 820,000 tons of plastic are produced worldwide. Today, the oceans contains one ton of plastic for every five tons of fish.

Each year, approx. 8 million tons of plastic ends in the world oceans. That's the equivalent to a fully loaded truck every minute - WWF



Waste Plastic to New Plastic Most of the Danish plastic waste is incinerated – leaving significant potential for increased recycling.

SOURCE: Ministry of Environment and Food "Statistik for emballageforsyning og indsamling af affald 2016" (2018)



This sample is for Denmark, the situation is the same worldwide.

There is an increasing need for recycling of plastic waste.



Our business is about developing, building and operating plants which can process non-recyclable waste plastic into Recycled Carbon Fuel, which is chemical recycled into new chemicals and new plastics.



Our offerings are based on Patpert's PATENTED TECHNOLOGY to process Plastic Waste into Carbon fuel. The technology is named as GASOLYSISTM GASOLYSISTM is thermal cracking of

Polymers.

We have developed 3 different types of offerings:

- 1. A mobile and flexible solution, reactors are located close to the sea, rivers or harbours
- 2. A land-based plant located close to continue streams of waste plastic from e.g. households.

• 3. Consulting and Services



Plastic suitable for mechanical recycling should be recycled and not used in our solutions!

We aim for the plastic that is NON-RECYCLABLE. It's the contaminated plastic you typically find in Household Waste or in Ocean Plastic. Today there is no environmentally friendly way to dispose this types of plastic. It ends up in landfills or gets incinerated.

We are able to process waste plastic and turn it into chemicals



Besides producing Carbon Fuel our plants also produces gas. The gas is recycled and used for operation of the plant. Besides using a small amount of gas for start-up the plant is operating without external supply of energy.



Waste Plastic to New Plastic We reduce the need for Virgin Oil

Virgin oil goes through a long and expensive process before it ends up as diesel oil at the local gas station. It has a high environmentally impact.

• Chemical recycled oil is of a far better quality than virgin oil.



Proven technology

Thermal cracking of Polymers is not wishful thinking!

Our technology works. Plants provided by our partners are in operation at commercial scale for customers like Pepsico and Nestlé. There is +25 plants operational worldwide.

Our partners test plant in Holland has done numerous tests and we have test reports on oil samples, on emissions, on the gas and on the char.



Manufacturers

There are several manufacturers at the market. QuantaFuel, MAKEEN and BlueAlp are some of them.

Our 20 TONS plant is able to process process 9,000 metric tons of plastic a year. This is 3% out of the total amount of non-recycled waste plastic generated in one year.

None of our competitors have the same amount of operational plants than our supplier has, and none have the same track record of years in operation.



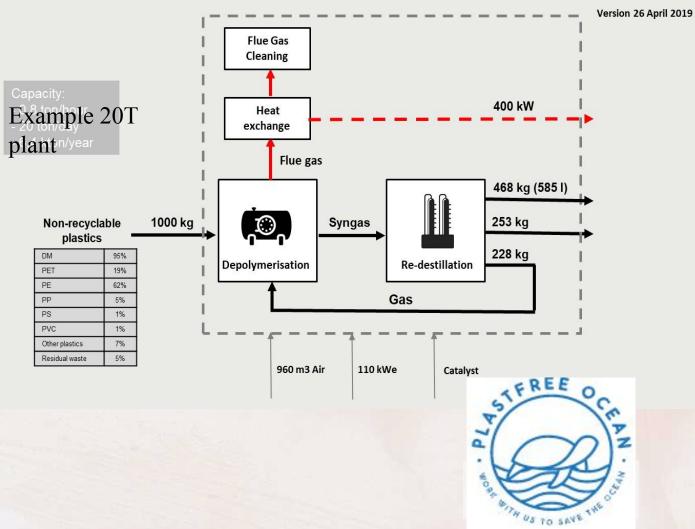
New Chemicals

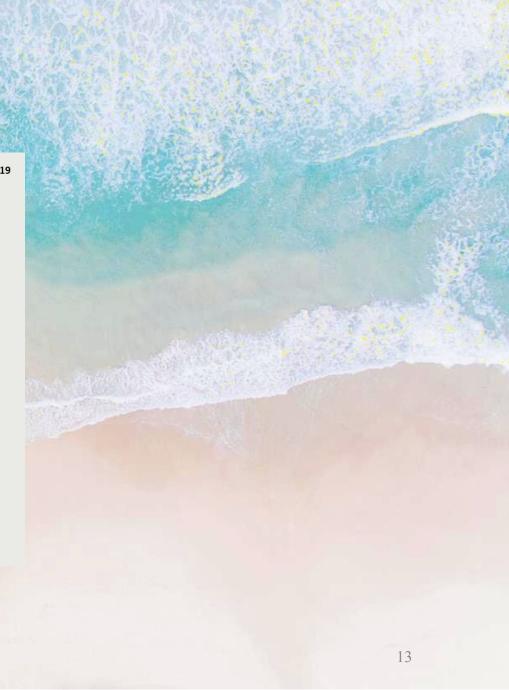
The carbon fuel produced in our plants is refined into new chemicals e.g. naphtha. Naphtha is a core component in new virgin plastic.

The amount of oil which is refined into new chemicals is considered as a renewable and will count positively on the Environmental Reports. Waste plastic sold to energy production doesn't count positively in the environmental reporting.



Plant input/output





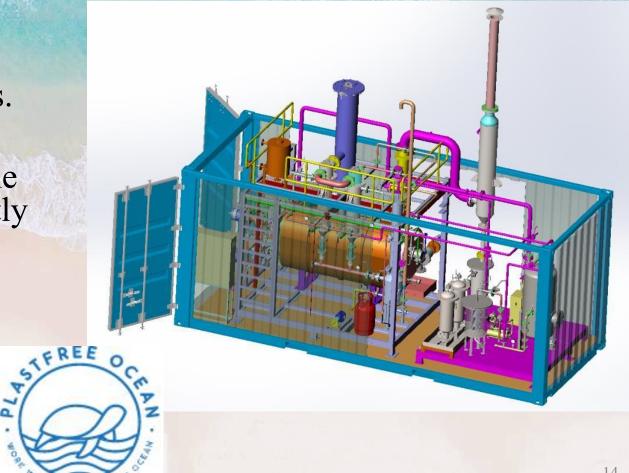
Our mobile solution

Flexible located Plants (Output on Feed Plastic Waste Qty: 55% Oil, 20% Gas & 25% Carbon)

US TO SAN

Models	PTSPL-WP2F-B-50	PTSPL-WP2F-B-100	PTSPL-WP2F-B-200
Capacity	50 Kg Plastic Waste per day	100 Kg Plastic Waste per day	200 Kg Plastic Waste per day
Space Requirement	3 Mtrs X 3 Mtrs X 6 Mtrs	8 Mtrs X 8 Mtrs X 10 Mtrs	10 Mtrs X 10 Mtrs X 12 Mtrs
Electricity	20 HP, 3 Phase	30 LID 2 Dheer	50 HP, 3 Phase
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Container Solution Model PTSPL-WP2F-B-50 1) 200 kg/day in a 20ft. container 2) 400kg/day in a 40ft. containers. It's a flexible solution where the container can be placed next to the waste plastic and process it directly at that location.



Waste Plastic to New Plastic Land-based plants

Continuous Plants (Output on Feed Plastic Waste Qty: 50% Oil, 25% Gas & 25% Carbon)

Models	PTSPL-WP2F-C-2500	PTSPL-WP2F-C-5000	PTSPL-WP2F-C-10000
Capacity	2500 Kg Plastic Waste per day	5000 Kg Plastic Waste per day	10000 Kg Plastic Waste per day
Area Required	42 Mtrs L X 30 Mtrs W X 20 Mtrs L	55 Mtrs L X 35 Mtrs W X 20 Mtrs H	110 Mtrs L X 70 Mtrs W X 20 Mtrs H
Electricity	50 HP, 3 Phase	150 HP, 3 Phase	300 HP, 3 Phase



Waste Plastic to New Plastic About us Plastfree Ocean was founded in 2019 by:



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