
Plum Environmental Limited Seeks Partners Following Global Launch of its Revolutionary “Plum Circular Plastics” Convertor

Australia & UK-based Plum Environmental Limited (Plum) today announced its global launch of its revolutionary patented Plum Circular Plastics (PCP) “Upcycling” convertor as it takes a valuable position in the booming Circular Economy of waste plastics.

The PCP convertor takes waste plastics and converts them into essential chemical monomers used in producing virgin plastic polymers. The waste plastics that would otherwise end up in our oceans or in landfill are now a valuable feedstock commodity for Plum’s PCP upcycling process.



A long list of multinational corporations and petrochemical giants including Chevron Phillips, Braskem and INEOS have publicly supported the circular economy of waste plastics along with plastic product manufacturers and packaging users such as Audi and Nestle.

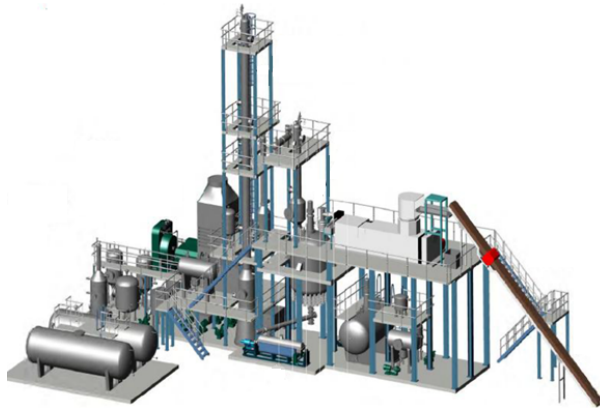


Plum’s circular economy of primary plastics to primary plastics considered “one of a kind”.

“The global plastics problem is no longer an impending global issue. It is here right now and it is getting worse by the day.” Plum Chairman Pat Volpe stated. “Social accountability is not a recommendation, it is a societal demand and Plum Environmental is very proud to have spent the past fifteen years developing a sustainable solution. We are in a perfect position where we are one of very few companies that *want* waste. We want dirty waste plastics as feedstock for our Plant that can chemically treat the plastics and break them back down to the monomer level, then build them back up as virgin-equivalent saleable chemical feedstock in plastic. This is in fact the next level above recycling, we are **upcycling** post-consumer plastics

back into primary plastic materials for re-use at the consumer level once again.”

Technological breakthrough: the PCP convertor uses a unique, patented pyrolysis technology that overcomes a crucial issue amongst competing pyrolysis players - **coking**. Plum’s patented technology and IP surrounding its heating mechanisms solves the coking issue and also enables its process to leave behind **zero emissions**. This is a giant step forward in achieving a sustainable solution to the growing global waste plastics problem.



Plum's PCP convertor is the approximate size of a tennis court.

The beauty of the PCP convertor is its genuine position in the Circular Economy of plastics. Plum's upcycling process can endlessly take waste primary plastics and chemically process into monomers for the production of new primary plastics with *no quality degradation* in the process. Plum believes this is an essential way forward in removing the need to manufacture primary plastics with crude oil – something conventional plastic recycling can't do.

Plum's strategy is now focused on finding investors and industry partners to implement its global roll out strategy. It plans to roll out its PCP plants to be owned & operated by Plum directly or under franchise. "Plum is looking to collaborate with international influencers to source investors, government support and corporate multinational interest for investment, supply agreements for waste plastics and sale agreements for the Plum chemical monomers produced into the petrochemical industry, improving their environmental footprint".

Plum believes its PCP convertor is an essential way forward and re-writes the corporate, social, political and environmental footprint on waste plastics.

"It's a generational step forward and provides endless opportunities for businesses involved in the manufacturing of plastics and users of plastics, and is a giant step forward in eliminating the growth of single use plastics and plastic packaging that is ending up in landfills or in our oceans adding to the current environmental nightmare." Mr Volpe said.

"Our output of chemical monomers gives these corporations an avenue into the circular economy of plastics, with the ability to show a Plum-certified product being used from upcycled plastics, avoiding the use of virgin crude oils and ultimately preventing waste materials going to landfill or into our oceans."

"Plum can make these companies accountable and the PCP upcycling solution can make them want to be accountable".



Plum's 20 tonnes per day pilot plant located in Wales, United Kingdom

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