

3R – an introduction into a revolutionary technology

The market: The waste management market has had two solutions for waste for a very long time. Waste is re-used by down recycling and most of the times in incineration plants. Waste which can't be re-used, gets transported to foreign countries. Both solutions aren't attractive in an economic sense, the reason why waste problems need a large amount of funding by the government. Since the waste problem gets bigger and bigger, actions are needed. However, this isn't possible with these two solutions. The world screams for a proper solution for this problem.

The question: The solution? How can we create a situation, in which waste is so attractive in an economic sense, that organisations will gladly help us to get rid of the waste problems, without any funding by governments?

The product: This question has kept International Pure Propulsion busy for years: "How can we make waste profitable?" And this in a way that is friendly to the climate and the environment. The solution is a way of recycling which is so efficient, that the recycling revenues are bigger than the costs of the recycling process. This product is now available and is called 3R.

The process: 3R is a recycling process which transforms waste into raw materials of refined quality. In short, the process knows three steps. The input (1): The recycling plant will be realised on an adequate location. This location combines the input of the local waste collection organisation with a possibly already existing landfill. The transformation process (2): In the recycling plant, developed by International Pure Propulsion, all types of waste are transformed into raw materials of refined quality in the most efficient way possible. The output (3): The raw materials can be sold for their current worldmarket price.

The results: This process has been tested by the German engineering organisation EPC. These tests were very successful and can be outlined in the following conclusions and actions:

- 97% of the waste-input gets transformed into raw materials of refined quality. This means that 100 kilograms of waste will be transformed in 97 kilograms of raw materials. The remaining 3% can be used to create energy by using fermentation.
- Returns in the 3R transformations process are enormous. A worst-case scenario generates a return on investment of 25%, best-case scenario generates returns of 50% and more. Calculated with the current worldmarket price for raw materials the return on investment will be about 35%.
- EPC guarantees the 3R process will work. Therefore they offer an investment and an output guarantee.

The environment: Also very important... The 3R process operates climate neutral and CO2 free. In contrast to incineration plants and landfills, the 3R process doesn't harm the environment. By using the 3R recycling process the world will be a better place to live. This is the main goal of International Pure Propulsion, achieved by the question "How can we make waste profitable?"

The prediction: The end of this fairytale will be, that governments and investors will see that the two results, excellent returns and a cleaner environment, are reality. The upcoming years will show who is first in putting this process to commercial use: the government by legislation or funding this technology, or investors who act out of the commercial perspective. The question is not if, but who. The first steps for this to happen are already set, the next one is up to you.

International Pure Propulsion

In the early nineties three friends came together through a shared dream. They wanted to create a process in which it was possible to separate household, commercial and hospitalar waste into their original raw materials. These raw materials needed to appear through this process, cleaned and directly usable. An almost impossible case, almost a dream.

But by using their technical knowledge and experience, persistence and common sense, they achieved in creating this unique process. This process, called Reversibles Reelles Recycling or 3R, transformes household, commercial and hospitalar waste into raw materials through a closed system and was patented worldwide in 2000. In the beginning of 2008 they wanted the 3R process to be tested independantly by the worldwide well-known billion dollar engineering organisation EPC. EPC put the 3R process to the test and they concluded that the process lived up to its high expectations. Of all waste 97% could be transformed into raw materials through the 3R recycling process, generating an estimated return on investment of about 35%.

With the 3R recycling process tested and running, the three friends started the organisation International Pure Propulsion, located in Stadskanaal (The Netherlands), with the goal of promoting the 3R recycling process and putting the patented process to commercial use.

The uniqueness of the 3R recycling process

Two main features make the 3R recycling process unique: its simplicity and its completeness. The 3R recycling system is the only recycling system in the world which can handle all types of waste in a closed system without pre-sorting. Simplified: you can throw all types of trash (household / commercial / hospitalar) in our system at the startingpoint and with little interference of personell it is transformed in raw materials of refined quality. This means any type of waste (organics / hazardous / plastics / glass / paper / metals / ...) in any form can be handled in one place and process.

With the help of our engineering partner EPC we can deliver the 3R system turn-key in any place in the world. After the pre-engineering, education of local staff and with the continuing assistance of EPC you will have the best waste management solution in the world. We call this the best waste management solution of the world because it combines three things, no other system in the world combines:

- The 3R system handles all types of waste, there will be no left-overs in this system, no landfills, no incinirating-ashes, just raw materials. This is cradle to cradle in the purest sense
- The 3R system is climate and CO2 neutral and therefore has a positive effect on the environment and the people living in it
- The 3R system earns money and doesn't cost it. It generates great returns without any necessary governmental funding and is therefore economically very attractive

