

ROBRIES

ART RECYCLE THINGS

WHITEPAPER



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PREFACE

The world population are increasing, so are the waste that are generated every single day. Most of them are difficult materials to degrade, especially plastics. Based on the issue, we exist to help us solve the waste problem by creating waste management system and changing them into high valuable products.

Robries is company that recycle plastic wastes and make them into two kinds of products. The first are various finished products, such as home decoration products, jewelry, and other customized products. Second, we produce filament which can be used for 3D printing technology. Our process of plastic waste recycle is 100% zero-waste—means that there is not a whit residue generated from it—using technology which is able to recycle household waste. With this technology, we aim to make the waste management and recycle in every district or country be more

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simple and the waste problems can be solved optimally.

Robries uses the Blockchain technology to market the products and to conduct transactions to investors safely and transparently. With this technology, we can also reach a wider and safer market to save the earth we live in from plastic waste and provide products that are useful for humanity.

CURRENT ISSUE



ON THE LAND

Plastic is indeed one of the most practical material that can be used to almost anything. However, it takes more than 400 years to degrade making it into the most waste that fill up the earth. The first global analysis of plastics published in the peer-reviewed journal Science Advances stated that of the 8.3 billion metric tons that has been produced, 6.3 billion metric tons has become plastic waste. Of that, only nine percent has been recycled. The vast majority—79 percent—is accumulating in landfills or sloughing off in the natural environment as litter. If present trends continue, by 2050, there will be 12 billion metric tons of plastic in landfills. That amount is 35,000 times as heavy as the Empire State Building.



IN THE OCEAN

Not only on the land, plastic waste is also harmful for all the ecosystems in the oceans. Published in the journal *Science* in February 2015, a study was conducted by a scientific working group at UC Santa Barbara National Ecological Synthesis and Analysis Center. They calculated the amount of plastic waste disposal from land to ocean. The result was that 8 million metric tons of plastic ends in our oceans every year. This is equivalent to five shopping bags filled with plastic for each foot of the coastline in the world.

By 2025, annual disposals are estimated to be about twice as large, or 10 full plastic bags per foot of coastline. So, the cumulative input for 2025 will be almost 20 times the estimated 8 million metric tons - 100 plastic bags per foot of coastline in the world.

The plastic waste now is in the level of threatening to the animals of oceans, from whales, sea lions and birds to microscopic organisms called zooplankton. Greenpeace (2006) reported in *Plastic Debris in the World Ocean* that at least 267 different animal species were known to have suffered from entanglement and swallowed plastic debris. According to the National Oceanographic and Atmospheric Administration, plastic debris kills about 100,000 marine mammals every year, as well as millions of birds and fish.



ROBRIES

WE BRING RECYCLE
TO THE NEXT LEVEL

ABOUT ROBRIES

The issue of plastic waste—that have been mentioned above—made people vying to save the earth. Many efforts and projects are made to reduce the amount of waste that fill up our home.

ROBRIES is one of them. However, we do not only want to make earth a better place to live for human being, but we also aim to maintain the sustainable of environment and all of ecosystems; not one or the other.

We need to respect the environment and have more responsibility in using and disposing plastic material products in order to keep our earth as a healthy place to live for human beings and other ecosystems for now and far in the future.

Stands for **Roasted Bottle Home Accessories**, **ROBRIES** started their journey in 2015 by transforming plastic bottle waste into home decoration products. At that time, the founder got the idea of transforming plastic bottle waste into something else by roasting it and making it into desired product. But now, **ROBRIES** has escalated the variety and value of its products even more. Aside from making products for home decoration and accessories with style, we are also converting the plastic waste into filament for today's 3D print technology to make our life more advance and easier with zero regret.

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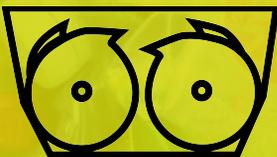
OUR AIMS & RECYCLING PROCESS

In order to preserve the environment and maintain the sustainable of human being and ecosystems, we set two main goals along with our existence:

1. To collaborate with governments, institutions and individuals and help them recycle their waste in order to create healthier environment to be living on.
2. To transform the plastic waste into artistic and high valuable products with zero waste process.

OUR RECYCLING PROCESS

1



SHREDDING

The collected plastic waste which have been separated accordingly to the type of plastics are shredded

2



WASHING

The shredded plastics are washed clean to maintain the hygiene of products

3



MELTING

The last is melting process to the plastics to shape them into customized products or filament

OUR PRODUCTS

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The plastic waste that we recycle, we transform them into two types of products. The first are finished products made to become home decoration, jewelry, accessories, or anything custom. Despite being made of waste, all of our products have beautiful and unique patterns.



OUR FILAMENT

FILAMENT

The literal definition of FILAMENT is a threadlike structure that has indefinite length. However, filament in 3D printing technology refers to the feedstock for fused deposition modeling 3D printers.

There are many types of 3D filament depends on the material and temperature to print. Some materials that can be used as filament for 3D printers are plastics, metals, nylon and wood.



RECYCLE FILAMENT

Aside from making finished products out of plastic waste, we put our focus to transform it into filament.

ROBRIES is the first company in Indonesia that produce recycle filament for 3D printer. Our filament is 100% made from recycled plastics. We offer filaments with various plastic materials: **PP**, **HDPE** and **LDPE**. We also accept wastes generated from 3D printing process using **PLA** and **ABS** and re-transform them into filament.

WHY CHOOSE OUR RECYCLE FILAMENT?

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Here are the reasons why our recycle filaments are worth more than ordinary plastic filaments:



Increasing Value of Products

Recycled plastics as material for filament will give the printed 3D products unique touch and will increase their value.



Helping Others

Who would think that purchasing a product can help others? It is possible with our filament. Since we get the plastic wastes from buying from collectors or individuals who care about our environment, buying our product also means helping us to appreciate their efforts.



Preserving Earth

Our process of recycle is 100% zero waste. We can even accept the waste generated from 3D printing process to make it into filaments again. This will surely reduce the plastic waste existed on the earth.

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3D PRINTING MARKET ANALYSIS

Out of tons of choices of recycling waste, why we choose our focus to transform it into filament for 3D printer?

3D printing is trending technology that can be utilized for variety of things and has promising future. In 2017, **Sculpteo** conducted a survey to 1000 respondents from 62 different countries from Europe (60%), America (30%), Asia & Oceania (9%) and Africa (1%) with industry segmentation of consumer goods (17%), industrial goods (17%), high tech (13%), services (9%) and healthcare sectors (7%).

90% considered 3D printing as a competitive advantage in their strategy

72% expected their spending on 3D printing to increase in 2018

PROMISING TECHNOLOGY



55% expected their investment in 3D printing to strongly grow in 2017

47% saw greater Return on Investment than last year

VARIOUS WAYS OF APPLICATION

Proof of Concept	34%	Marketing Samples	10%
Prototype	23%	Art	8%
Production	22%	Hobby	5%
Education	7%	Samples	5%

OUR ACTIVITIES





R ♻️ BRIES
ICO

ROBRIES TOKEN ON BLOCKCHAIN

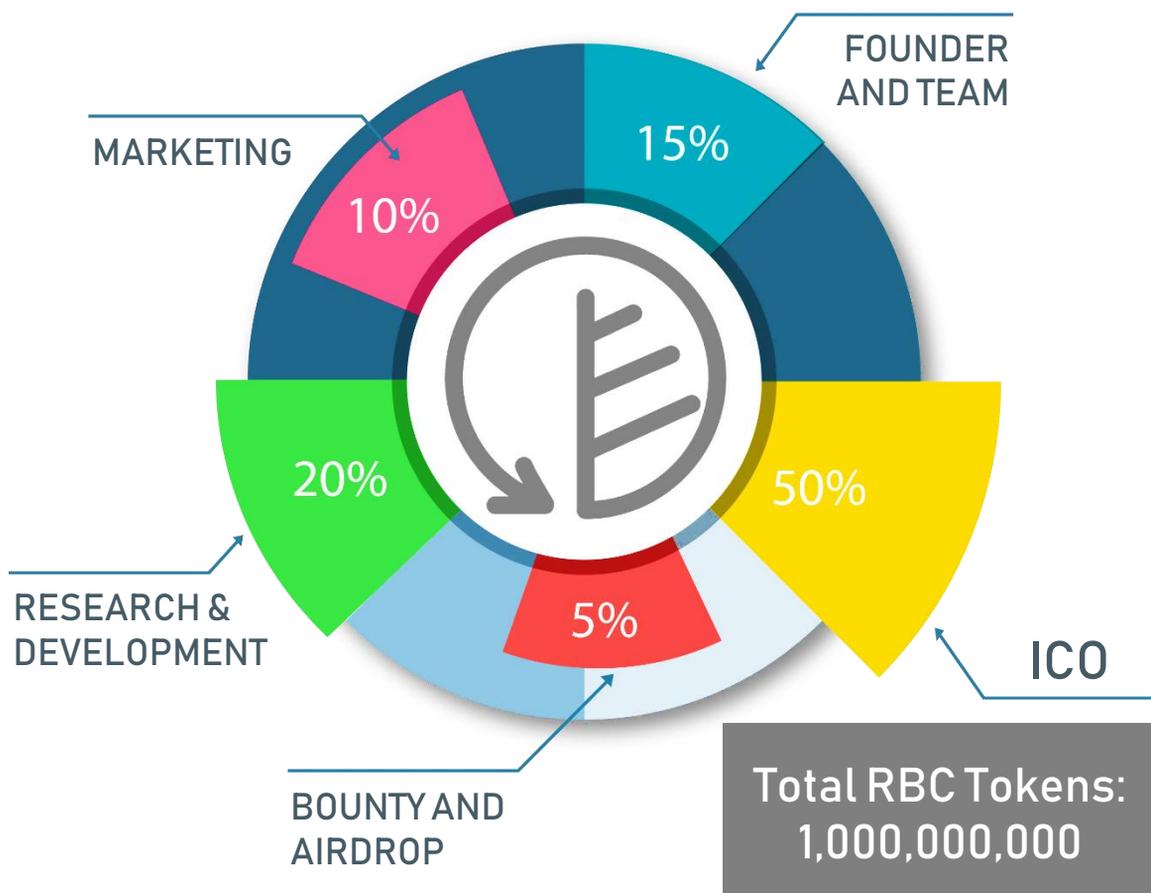
We provide ROBRIES tokens for our crypto-investors who are willing to help us grow. Our tokens are created using smart contract of ERC20 using Blockchain technology. The technology will help us to conduct transactions to investors safely and transparently. It will also reduce time and costs for accounting because all transaction data will be calculated quickly and stored safely on the ethereum blockchain in a decentralized manner.

TOKEN INFORMATION

Token Name	Robries Token
Token Symbol	RBC
Platform	Ethereum
Token Type	ERC 20
Pre-sale ICO Stage	October 20 – November 17, 2018
Main sale ICO Stage	November 18 – December 30, 2018
Soft Cap	\$ 1,000,000
Hard Cap	\$ 5,000,000

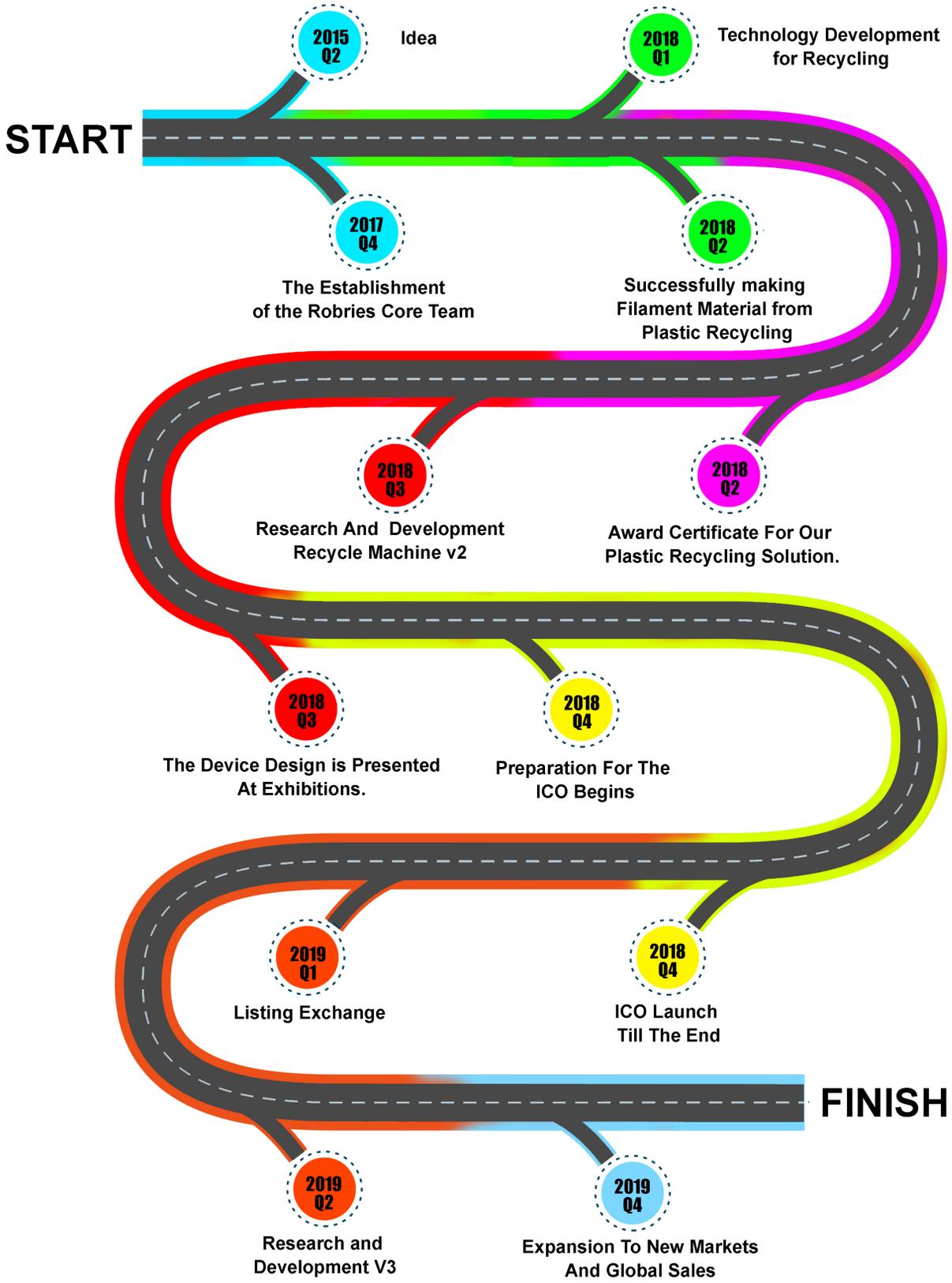
TOKEN DISTRIBUTION

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- The goal of our ICO is to raise funds of \$5,000,000 to develop our technology and company to be able to recycle more of waste and produce more useful and high valuable products to global market.
- Airdrop and Bounty tokens will be distributed within 1 month after the ICO ends.
- We will burn the unsold tokens on the ICO to adjust the amount available until the ICO ends.
- Price per ROBRIES Token is \$0.01 at ICO presale and \$0.1 when ICO ends.
- We will give various bonuses throughout the pre-sale until the end of the ICO.
- During sales, we only receive payment in Ethereum (ETH).
- All news and info will be shared on our social media: Telegram, Twitter, Facebook and our Website.

ROAD MAP



TEAM

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CEO
Founder

Syukriyatun Niamah



CSO
CO-Founder

Tita Shabrina



CTO
Head of Engineer

Imam Muhsin



Project Manager

Rizal Dwi



Content Producer
Web Designer

Rova Hasna



UI Designer

Ian Hermawan



PR & CMO

Miftahabsi

PREFERENCES

- <https://phys.org/news/2018-02-land-based-pollution-microplastiks-underestimated-threat.html>
- <http://plastik-pollution.org/>
- State of 3D Printing. PDF. Retrieved from: sclupteo.com