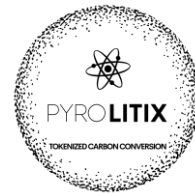




PYRO**LITIX**

TOKENIZED CARBON CONVERSION

White Paper June 2023



Mission

To bring pyrolysis, carbon conversion and waste management projects into one token economy and develop funding solutions based on academic research, facilitation of input and output solutions, combined with the revolutionary technologies around DeFi (Decentralized Finance).

Vision

We believe pyrolysis technologies allow to tap into the infinite source of energy, carbon. The human species, has not only created an endless amount of mismanaged waste and dependency on energy, but also a non-sustainable relationship towards our planet. Blockchain provides the ability for the global community to get involved and provide liquidity through DeFi mechanisms that therefore scalability solutions



We are an organisation of people and professionals, enlightened by the understanding, that we can close the circle of unsustainable waste management and endless desire for energy. The pyrolosis boom started in 1996 as the first engineers understood that this technology may change the way we understand carbon and its infinite properties. We have an environmental crisis, caused by billions of people not having access to adequate waste management processes, a climate crisis caused by carbon emissions and fossil fuel processing, a liquidity crisis projected by national treasuries not being able to purchase fuel on the international markets due to high prices and therefore resulting geopolitical crisis.

Pyrolysis machines in combination with high carbon storing crops like hemp provide an alternative system to energy for energy requirements and carbon emission reduction. Hemp is just one of many interesting crops, however its capacity to pull out carbon from the environment gives it a particular edge over most other industrial crops.

We are constantly searching and communicating to new innovators in the pyrolysis industry and working with governmental bodies to find implementation solutions worldwide. We are designing and building the concept of decentralized energy. Where people in an area of a machine, can bring their waste, e.g. plastic, agricultural waste (biomass), tires, cables and others, and receive either fiat currency or any of the output products.

Help us change the way we depend on energy and our relation to waste. Together, through blockchain, we can all participate in this task to change the world to create a sustainable future for our children and all living and non-living things of this beautiful, unique planet.

Additionally, we aim to change the way we use energy and our relationship to waste management, recycling, soil remediation and carbon sequestration for both industrial and agricultural proficiency. Together, with open-source blockchain & our community of technicians, doctors, legal experts, scientists, management & development experts, educational experts, engineers, spiritual healers, and more; we can all participate.

Infinite form of energy – waste!



Energy at the level of atomic physics is infinite. Biological systems our planet earth have established mechanisms of harnessing this infinite energy in perfect systems of energy production, metabolism, and regeneration. The carbon cycle is the dominant form of energy production and regeneration in all living organisms on earth – from bacteria, to plants, to humans.

Over the brief couple hundred years of the industrial revolution we broke the carbon cycle through the extraction of finite fossil fuel sources (coal and oil) and the destruction of our planets soils. Nealy 97% of the worlds fertile soil has been

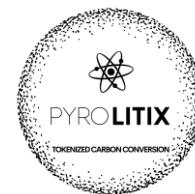
lost to mono-cropping and unsustainable agricultural practices. While modern civilization has showcased the extreme capacity of human ingenuity and productivity, this breaking of the natural carbon cycle has resulted in the extractive destruction of natural resources & biodiversity on the planet to a scale that has never been witnessed before. Modern farming techniques have disrupted the respiratory cycle of arable lands around the world. PYROLITIX is setting out to restore the carbon cycle in our energy and agriculture systems worldwide.

We are inspired by nature



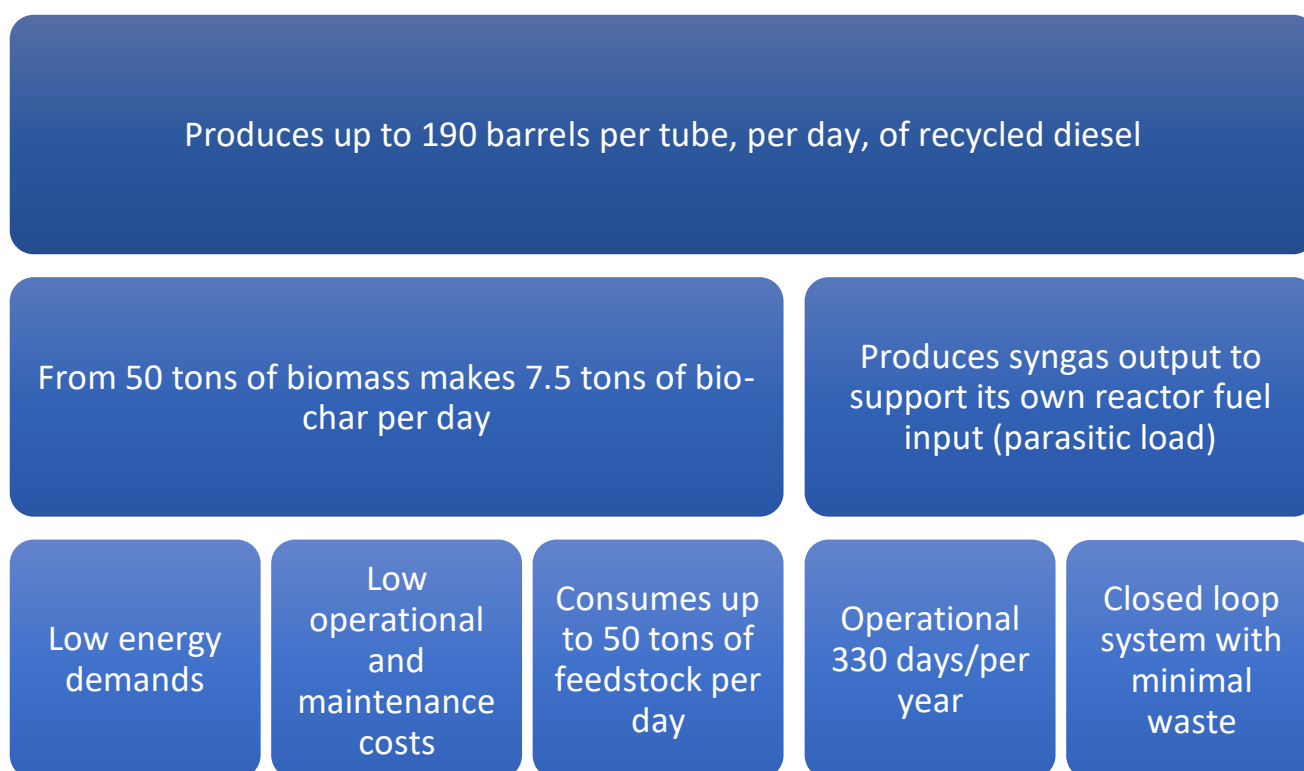
(Mitochondria cell)

Pyrolysis machines are using the mitochondria, which is the master of the biological carbon cycle in all animals, as their foundation, we have identified several carbon conversion technologies that breaks down long chain carbon molecules in all major waste streams, including agriculture (sugar cane, hemp cane, banana stem, and more) plastics, tires, and coal; into biofuels and biochar for regenerative energy and soil recovery.



The Regenerative systems that these machines encompass metabolizes all carbon waste forms into liquid, gas, and semi-solid energy commodities through a near zero-emissions process. Indeed we believe that the global economy should be fueled and navigated through modern approaches to energy management, distribution and profitability. We at PYROLITIX aim to tackle global waste mismanagement and provide solutions for poor soil fertility, carbon conversion and waste management.

Pyrolysis Technology overview: These figures vary according to the machine vendor



Stake with our machines

Earn APY based on waste conversion (coming soon...)

The following machines are sourced from technology providers all around the globe and placed in specific countries soon to be published

ALPHA



Capacity: 15tons / day

	Tires	Plastic	Oil Sludge
Fuel Oil	45%	70%	60%
Carbon Black	30%	20%	30%
Steel Wire	15%		
Syngas	10%	10%	10%

BETA



Capacity: 50t / day

	Tires	Plastic	BIOMASS
Fuel Oil	45%	70%	70%
Carbon Black	30%	20%	20%
Steel Wire	15%		
Syngas	10%	10%	10%

GAMMA



Capacity: 30t / day

	Tires	Plastic	BIOMASS
Fuel Oil	45%	70%	70%
Carbon Black	30%	20%	20%
Steel Wire	15%		
Syngas	10%	10%	10%

more to follow...

The machines that we are identifying within PYROLITIX are divided into three key processing capabilities. We can exclusively work with plastic and tyres processing pyrolysis machines, which have no by-product created as it is a closed loop system, & all agricultural waste machines which have a by-product of healthy Biochar for soil sequestration.

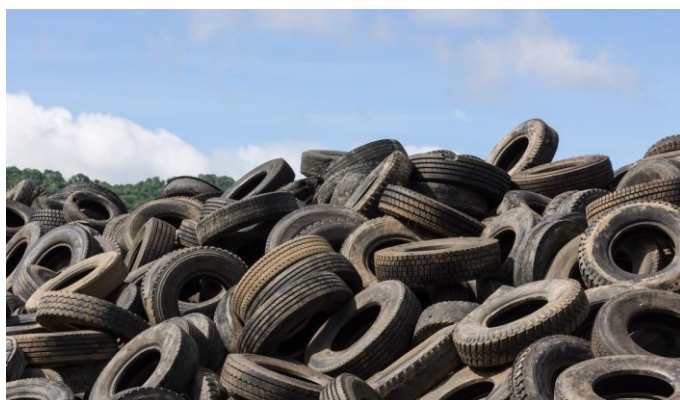
BIOMASS MATERIAL



Converting just 2% of the 13 billion hectares of available fertile land globally would yield 142 billion gallons of biodiesel. That is three times the total consumption of fuel in the U.S. every year. A staggering amount of energy can be re-engineered with the use of modern technology.

With some of these agricultural based machines we are estimating the ability to change 33 million pounds of biomass into 2 million gallons of biodiesel and 9 million pounds of biochar for soil remediation and carbon sequestration.¹

TIRES



One of the least recycled resources on our planet. Our research shows a over 90% ratio of unrecycled tire waste around the world and hence is found in abundance within our territories of potential project deployment.

¹ Tripathi, N., Hills, C.D., Singh, R.S. *et al.* Biomass waste utilisation in low-carbon products: harnessing a major potential resource. *npj Clim Atmos Sci* **2**, 35 (2019). <https://doi.org/10.1038/s41612-019-0093-5>

Hence with our identified and sourced machines we have the capability to process over 1.5 million tires into 2 million gallons bio-oil or with further distillation a recycled diesel for industrial application and additionally 12 million pounds of carbon black for industrial materials and printer ink.

PLASTICS



Since the end of WW2 and the invention of plastic, the world has produced more than one ton of plastic for every person alive today. In the next 20 years, this is expected to double. About 20% of global plastics is openly

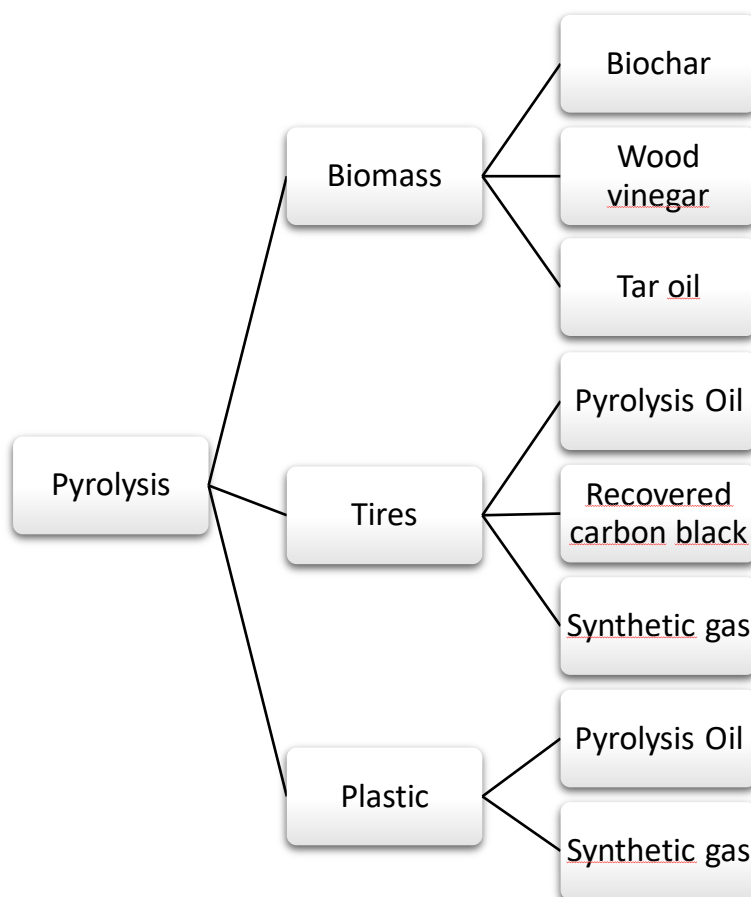
burning, releasing toxic aerosols into the atmosphere, and emitting 16 million metric tons of greenhouse gases per year. The rate of degradation for plastic can take up to one thousand years to be naturally processes organically. Once more there are modern solutions for modern problems.

Fantastically, there are an array of technologies that are available and between the three best kinds of processing machinery identified so far, that are available globally, have specefic applications from plastic. The most development is seen with plastic pyrolysis technology, as this is an issue on all corners of the earth, even penetrating human resperatory systems.

Plastic can be complex to deal with and we need to get to root cause, within grabage collection and education around types of plastic and their assortment of said plastic to aid in our battle at PYROLITIX. 33 million pounds of plastic into 3.6 million gallons of bio-oil and with further processing into recycled diesel or

bunker fuel and two hundred thousand pounds of asphaltene for road paving and roofing shingles, additionally.

Value Chain



All metrics are collected and consolidated through communications with commercial pyrolysis providers

Provider Margins

Comparing diesel prices and provider margins allows a glimpse into the revenue possibilities for both sides. A farmer who is growing the crop that has been

cultivated in Jamaica, which would be Sugar Cane within this example, would usually get around \$900-1000 per Ton of sugar cane. Additionally we can offer farmers **additional** earnings through collection of the waste material for energy production, instead of throwing the material away, energy is the outcome and these payments can be recieved with tokens, FIAT value or the fuel itsef.

A provider margin of 10% and expected earnings per ton

Selling price	Total Revenue	Fuel produced	Provider Margin	Provider Earnings per ton
\$ 0,50	12220000	24440000	10%	\$ 33,35
\$ 1,00	24440000	24440000	10%	\$ 66,70
\$ 1,50	36660000	24440000	10%	\$ 100,05
\$ 2,00	48880000	24440000	10%	\$ 133,40
\$ 2,50	61100000	24440000	10%	\$ 166,75

A provider margin of 20% and expected earnings per ton

Selling price	Total Revenue	Fuel produced	Provider Margin	Provider Earnings per ton
\$ 0,50	12220000	24440000	20%	\$ 66,70
\$ 1,00	24440000	24440000	20%	\$ 133,40
\$ 1,50	36660000	24440000	20%	\$ 200,10
\$ 2,00	48880000	24440000	20%	\$ 266,80
\$ 2,50	61100000	24440000	20%	\$ 333,50

A provider margin of 30% and expected earnings per ton

Selling price	Total Revenue	Fuel produced	Provider Margin	Provider Earnings per ton
\$ 0,50	12220000	24440000	30%	\$ 100,05
\$ 1,00	24440000	24440000	30%	\$ 200,10
\$ 1,50	36660000	24440000	30%	\$ 300,15
\$ 2,00	48880000	24440000	30%	\$ 400,20
\$ 2,50	61100000	24440000	30%	\$ 500,25

A provider margin of 40% and expected earnings per ton

Selling price	Total Revenue	Fuel produced	Provider Margin	Provider Earnings per ton
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\$	0,50	12220000	24440000	40%	\$	133,40
\$	1,00	24440000	24440000	40%	\$	266,80
\$	1,50	36660000	24440000	40%	\$	400,20
\$	2,00	48880000	24440000	40%	\$	533,60
\$	2,50	61100000	24440000	40%	\$	667,00

Carbon Credits

Utilisation of Hemp as an excellent carbon sequestration process: one hectare of industrial hemp can absorb 15 tonnes of CO₂ per hectare. Hemp's rapid growth makes it one of the fastest CO₂-to-biomass conversion tools available, more efficient than agro- forestry². We have a steep learning curve with carbon credit traders as the world understands how to reduce our carbon footprint and we at PYROLITIX learn simultaneously. However, the popularity of carbon credits and rating systems are growing in number globally in accordance to the G20 climate goals.

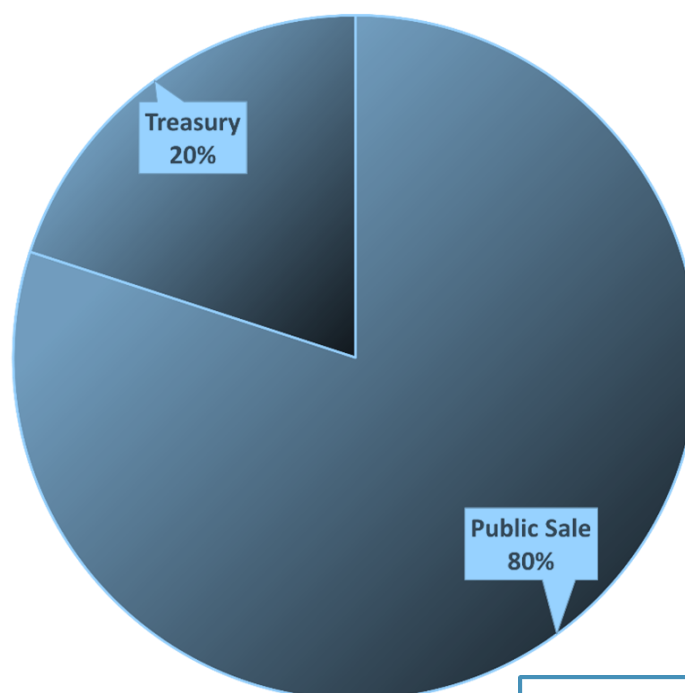
We at PYROLITIX are committed to understanding the effect our systems have on the environment and the benefits that we associate with them to the community we operate within. Our methods shall be tried and tested in order to adhere to carbon programs outlined by carbon credit traders. We aim to understand the principles behind impact carbon and associate a story of our project with real world examples of reduction in carbon that is both obvious and critically tested. We aim to test and validate our methodologies over the initial years through the successful launch of machines in our chosen areas in order to attain the bonus from carbon credit reduction funding as we erect our core business model.

The following is an outline of our intended goals:

² The Future of Hemp, Catherine Wilson, International perspective on the rapid rise of hemp cultivation, [https://ec.europa.eu/environment/forests/pdf/respondents-additional-inputs/European%20Industrial%20Hemp%20Association%20\(EIHA\).pdf](https://ec.europa.eu/environment/forests/pdf/respondents-additional-inputs/European%20Industrial%20Hemp%20Association%20(EIHA).pdf)

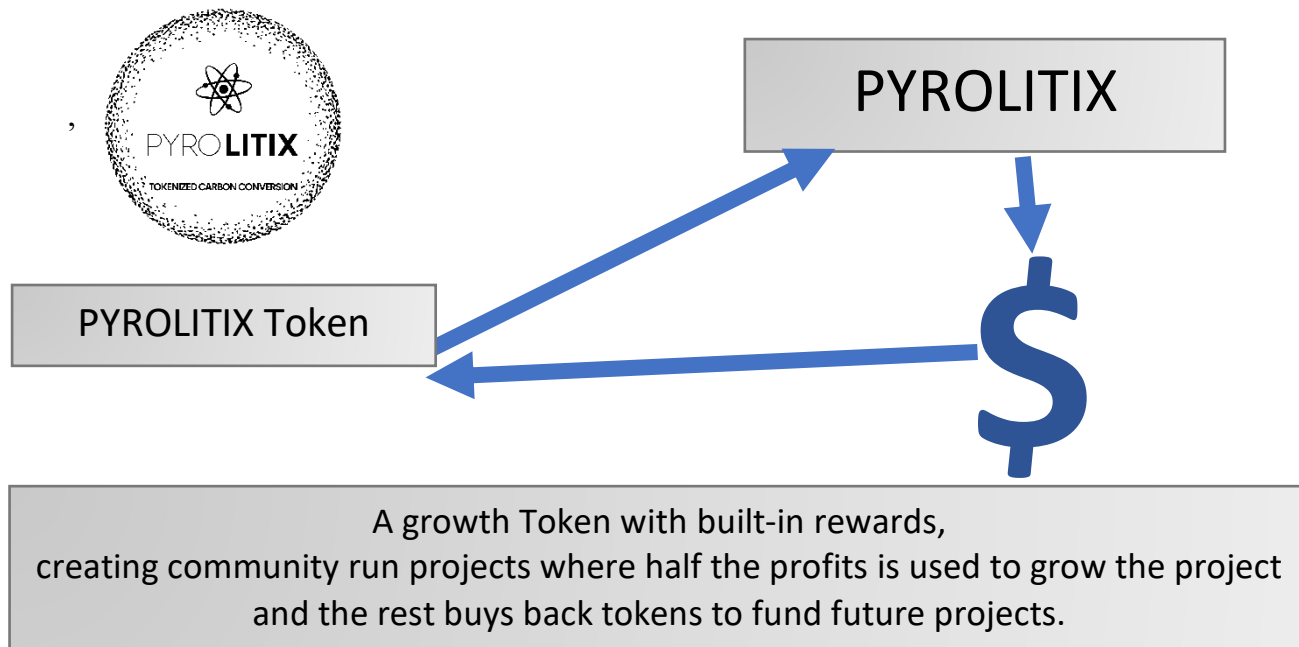
Diesel Volume	Waste processed (t)	Hectars	Number of machines	Carbon locked (t)	Carbon Credits
24.440.000	36641,68	3003,42	2	45051	45051
48.880.000	73283,36	6006,83	4	90102	90102
73.320.000	109925,04	9010,25	7	135154	135154
97.760.000	146566,72	12013,67	9	180205	180205
122.200.000	183208,40	15017,08	11	225256	225256
146.640.000	219850,07	18020,50	13	270307	270307
171.080.000	256491,75	21023,91	16	315359	315359
195.520.000	293133,43	24027,33	18	360410	360410
219.960.000	329775,11	27030,75	20	405461	405461
244.400.000	366416,79	30034,16	22	450512	450512

PYROLITIX Tokenomics

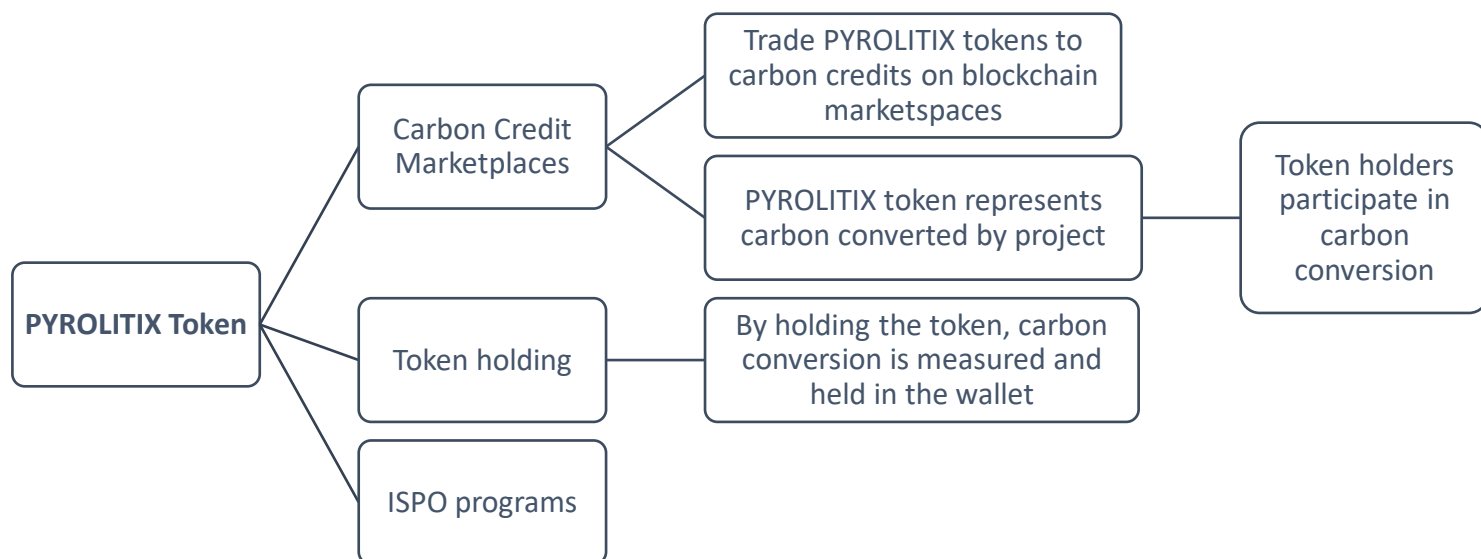


Token Structure
 Total supply: Pre-Sale: 5%
 15 Million
 Release Overtime: 5 year release

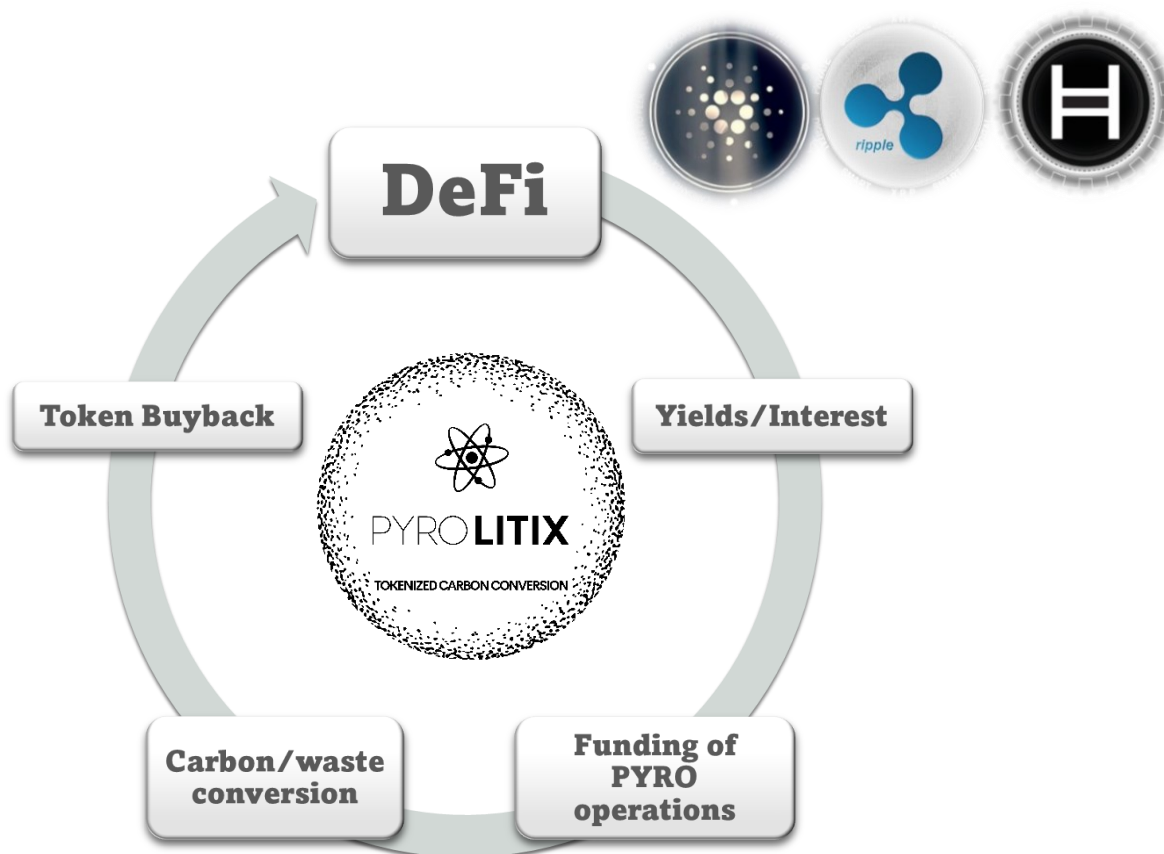
Buy-back Mechanism



Utility Design



Liquidity as a Service (LaaSS)



In this mechanism we are allocating capital into specific DeFi operations to create an effective interest. The earnings are dedicated to funding our pyrolysis partners around the world sustainably. 50% of the earnings are used to scale pyrolysis projects and the other 50% are used to buyback the PYROLITIX tokens from the markets. We will be showing transparently our current TVL and average effective interest earning. Current blockchains facilitated are Cardano, XRP Ledger, Hbar, Quant Network and Polygon. The earnings from the pyrolysis projects are also used to partly fund the projects operations and the token buyback mechanisms.



Governance

Governance(Maya-Dao)

PYROLITIX token's governance will begin at launch and be a completely on-chain experience for users to participate in the future of the PYROLITIX protocol. PYROLITIX governance will be led by the data driven team experienced with the implementation of the machine in a territory we choose. This is advantageous to the public as having experts direct the project for optimal outcomes that bring added value to PYROLITIX tokens through community approval. We aim to bring voting catalysts to the centre of our operation in order to maintain enhanced transparency with the community which funds our projects.

The public is invited to vote on projects by using our MAHA MAYA Dao token. Users that participate in building the protocol through governance will earn rewards for doing so. Once a project, a protocol, a feature or upgrade is voted on, PYROLITIX foundation will facilitate the vote into strategies for the development & implementation of the said proposal. PYROLITIX token holders are entirely responsible for obeying the law in their jurisdiction when voting on governance matters.

Profit Sharing

The founding principle of the PYROLITIX is to provide decentralized funding to support sustainable recycling and decentralizing energy mechanisms, whilst ensuring revenue generated from these projects is used to expand capabilities and increase the value of the PYROLITIX Token.

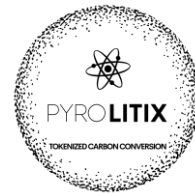
PYROLITIX machines are established in essence as a for profit businesses, they are sustainable green projects that benefit local communities first and have far-



reaching benefits for the environment and community. Profits generated from these machines is split equally, with 50% of profits used to continue project growth to enable expanding production. The other 50% is returned to PYROLITIX token economy by buying back the token from the markets. These cycles brings value to the people who directly support the project by holding and buying these tokens. The annual profits allocated to buy back the tokens is communicated transparently with the community through our Maya Dao mechanisms.

Roadmap

Coming soon....



Executive Summary

The organisation aims to provide a scalability solution and to enhance the effects of the pyrolysis technology on the global problems in waste management and energy creation. Waste is an infinite form of energy and through new innovations, pyrolysis is able to facilitate this attribute for the better of mankind. With the attribution of carbon crediting, every PYROLITIX token holder will be able to hold a growing volume of waste and carbon converted and giving him access to the world of tomorrow by using the tokens in other Dapps and systems. Our low token volume and 80% public sale of the token aims to project our commitment into bringing these technologies together to scale and impact the world and its people.