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Lightpaper

Play your part in the green energy revolution with the White Hydrogen Coin!

INTRODUCTION



We are the White Hydrogen Coalition – WHC – an international association of clean energy tech supporters whose aim is to clean the world by converting waste into white hydrogen and energy. Simultaneously reducing carbon footprints by accelerating, facilitating, and promoting Low Temperature Conversion technology, known as LTC technology.

The UN General Assembly adopted a historic resolution declaring that access to a clean, healthy, and sustainable environment is a universal human right*.

WHITE HYDROGEN COALITION

Join the clean energy revolution imagined by the White Hydrogen Platform. The platform operates on the Ethereum Network and enables stakeholders to participate in creating a sustainable future through White Hydrogen Projects launched on the White Hydrogen Platform.

The Plant Starter programme secures project financing by enabling individuals who support the project to clean their own waste by buying and staking tokens. It is the do well by doing good principle of Benjamin Franklin.

The White Hydrogen Platform enables various stakeholders to meet their needs in B2B (i.e. buying energy and white hydrogen) and B2C process (i.e. cleaning up after oneself, participating in white hydrogen trade, etc.).

> The single most important utility of WH2C Coins is “cleaning the world of organic waste and plastic” followed by the transfer of value.

Source:

*Global Energy Review: CO2 Emissions in 2021

THE PROBLEM

The Decarbonisation Dilemma

The global footprint of man-made CO2 emissions from energy combustion and industrial processes reached an all-time high of 36.3 gigatonnes in 2021 and is still rising.

To avert the global catastrophe that is global warming we need to reduce global net human-caused emissions of carbon dioxide (CO2) by about 45 percent of 2010 levels by 2030, reaching ‘net zero’ around 2050.

Earth’s Overshoot Day 2022 is 28th of July, which marks the date by which humanity has used all the biological resources that the Earth regenerates during an entire year. This means that after that day humanity lives on credit from mother Earth!*

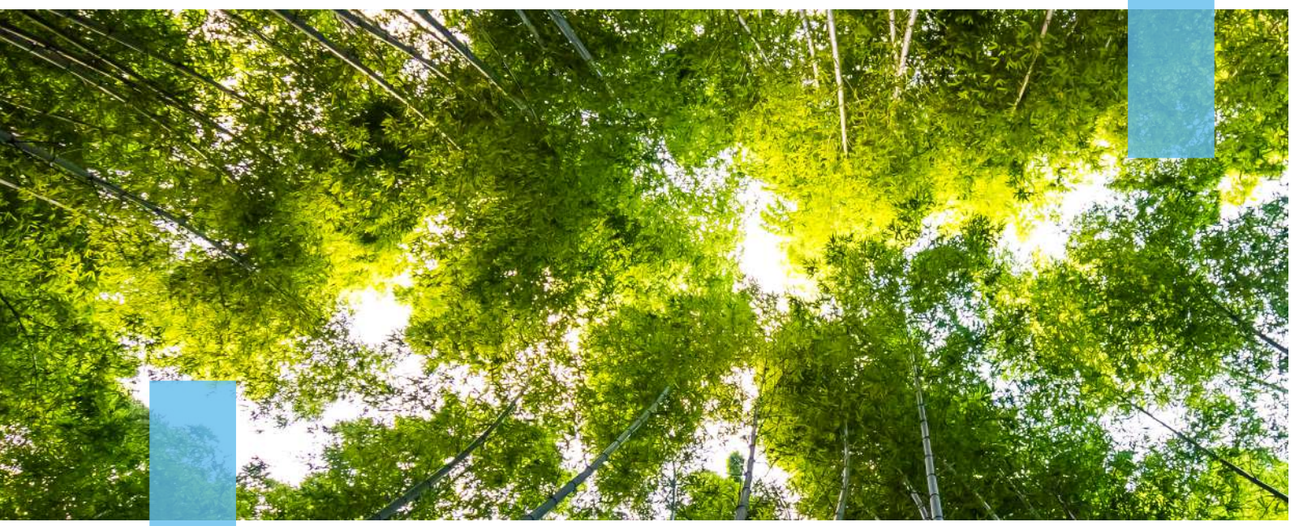
Source:

*Earth Overshoot Day

The Accumulation of Waste

We produce more than 380 million tonnes of plastic and 2.01 billion tonnes of municipal solid waste annually*, which yields some 120 to 150 kg of plastic waste and 500 kg of waste in general per person in both the developed as well as the developing world.

Even with young entrepreneurs, such as Boyan Slat of The Ocean Cleanup, which stops plastic from entering the oceans and cleans them of debris, we are still left with the question of how to solve the problem of ever-increasing amounts of used plastic which can't be recycled and municipal waste clogging up our landfills.



Cleaning the world in an economical way

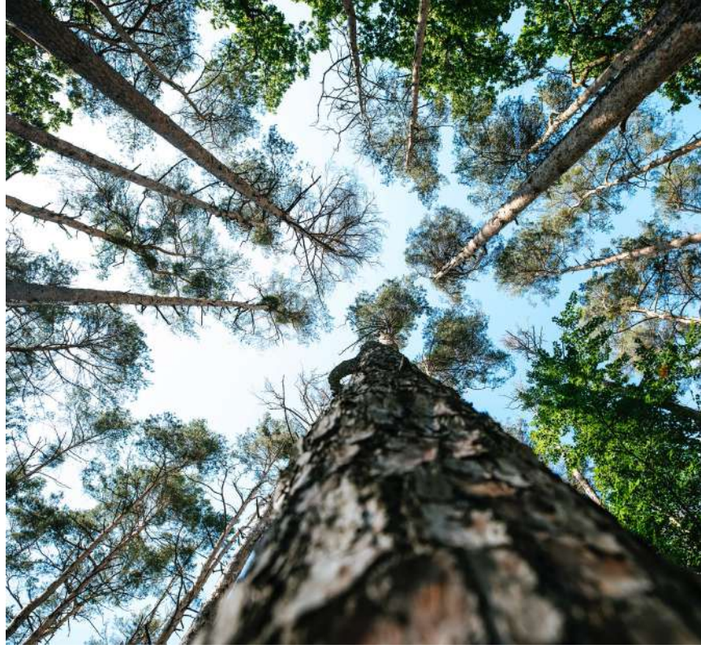
Reducing CO2 emissions and cleaning the world of plastic are noble goals, but they are financially costly with the tools that we have at our disposal at the moment.

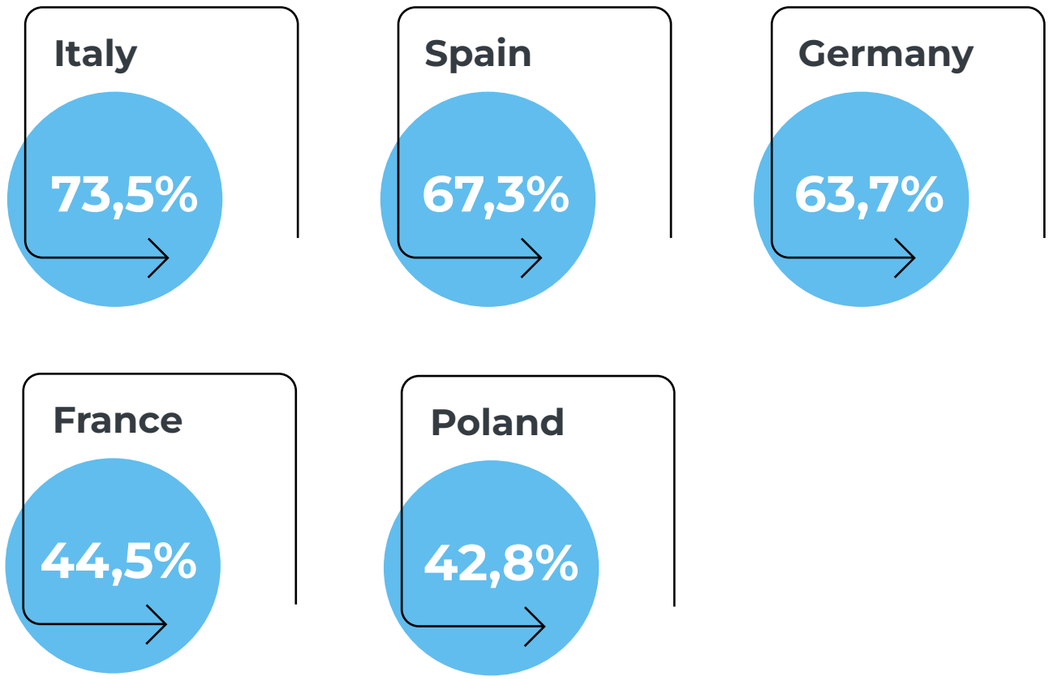
Source:

* Waste to energy for sustainable future

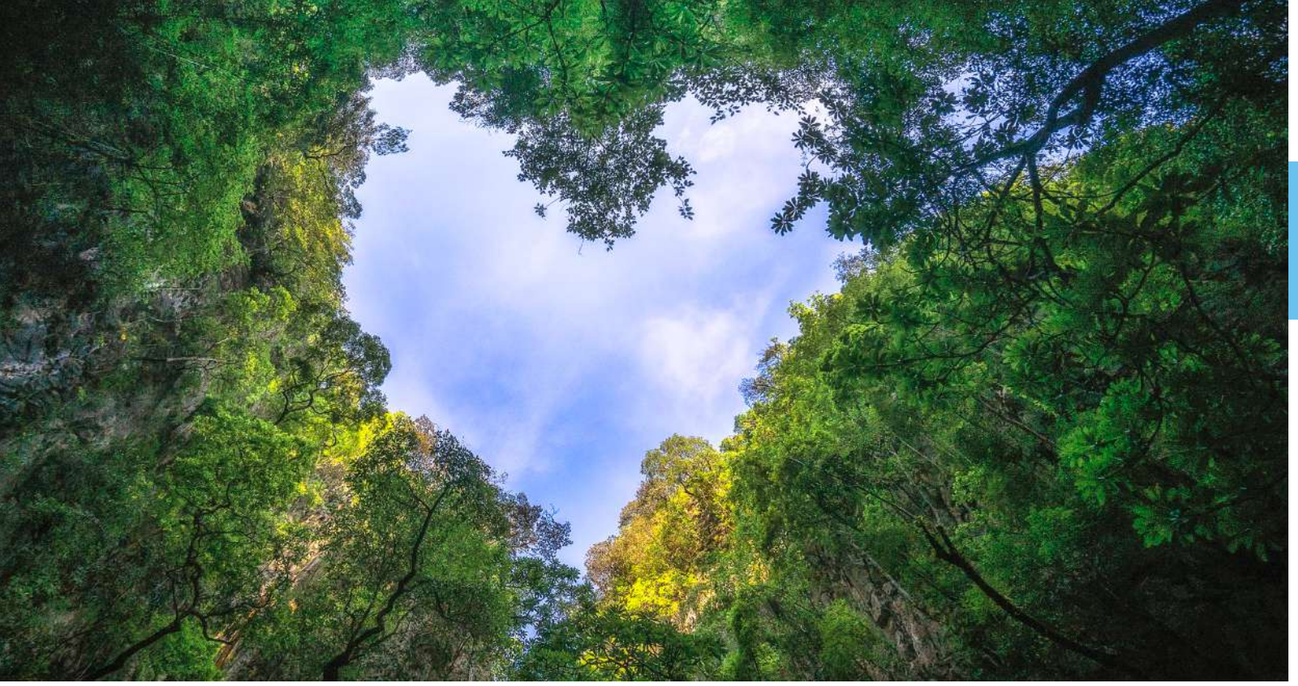
Energy Dependence

European Union members and other countries are heavily dependent on energy imports. Energy dependence measures the extent to which a country relies on imports to meet its energy needs. The higher the percentage, the higher the dependence. On average, EU countries produce less than 50% of their energy requirements, with some producing less than 10%!





Energy dependence, especially in the way we know it now, can lead to shortages and energy crises in various scenarios, from natural disasters to wars and a full-blown global energy crisis such as we are participating in and feeling at the moment.



SOLUTION

Low-Temperature Conversion

The Low-Temperature Conversion (LTC) process is a great method to convert organic waste materials (from organic matter*), such as all kinds of plastic, used tyres, sewage, household waste, biomass, and similar organic waste materials, into synthetic gas, syngas** for short, for the generation of electricity, heat, white hydrogen, synthetic fuels, and chemical products. Aspects of the technology used in the LTC process are innovative and patentable.

> It allows us to extract hydrogen and carbon monoxide from waste materials at a minimum of 80% efficiency based on the caloric value of the input material.

One LTC Plant recycles 8,000 metric tonnes of plastic waste yearly by producing 1,150 metric tonnes of white hydrogen.

Source:

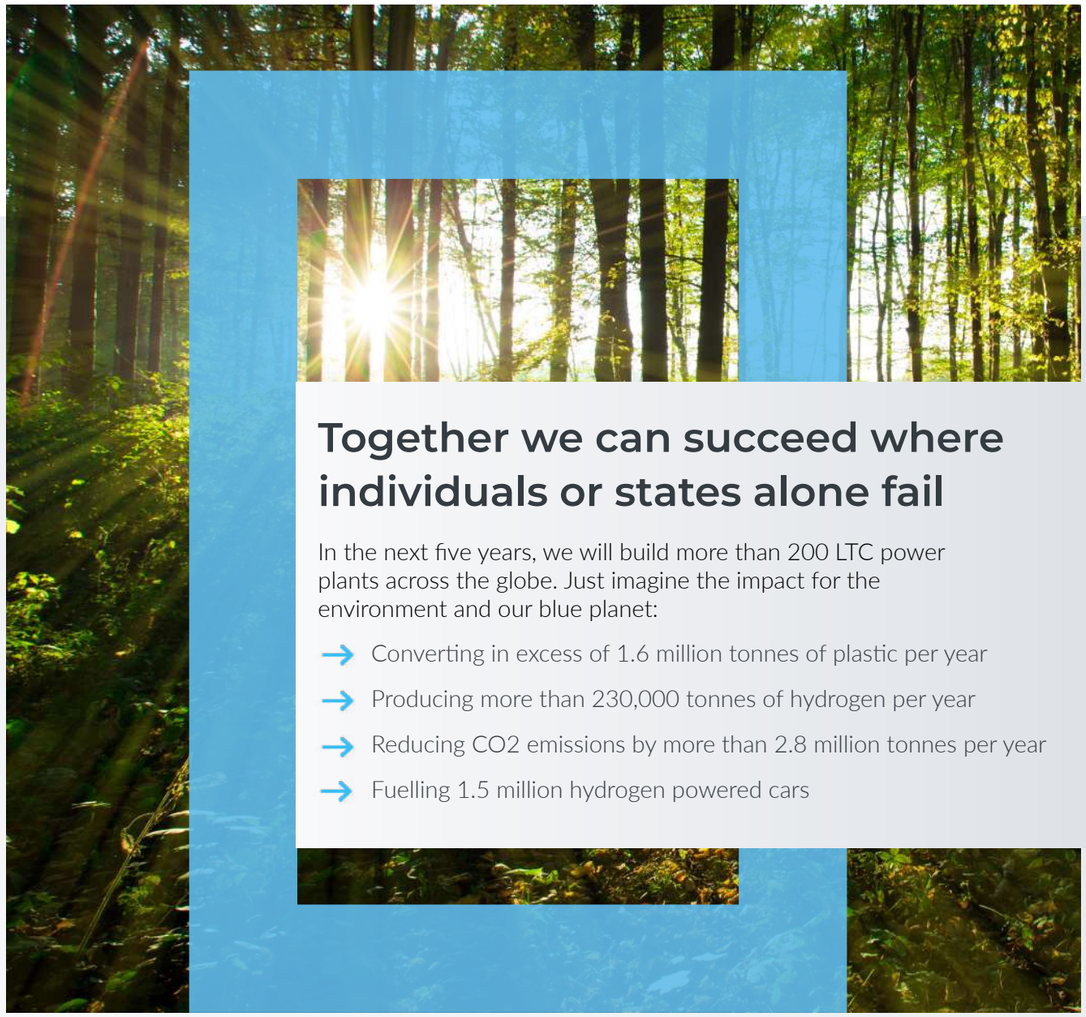
*Organic matter – Wikipedia

**Syngas – Wikipedia

THE WHITE HYDROGEN DIGITAL BLOCKCHAIN PLATFORM

The White Hydrogen Digital Blockchain Platform will help humanity to clean the world by ensuring the LTC technology availability to everyone around the globe according to circular economy principles. Not many people have the capacity to fund the entire operation themselves, but together we can manage it and beat the climate change.

The purpose of the White Hydrogen Coalition is not owning LTC plants but rather cleaning the world by using this upgraded LTC technology and enabling stakeholders to meet their interest on the White Hydrogen Platform. Local investors or communities of like-minded individuals will operate plants by selling their products on the White Hydrogen Platform for WH2C tokens. You can find more details in our whitepaper.



Together we can succeed where individuals or states alone fail

In the next five years, we will build more than 200 LTC power plants across the globe. Just imagine the impact for the environment and our blue planet:

- Converting in excess of 1.6 million tonnes of plastic per year
- Producing more than 230,000 tonnes of hydrogen per year
- Reducing CO2 emissions by more than 2.8 million tonnes per year
- Fuelling 1.5 million hydrogen powered cars

A BUSINESS OPPORTUNITY OF THE CENTURY

The total hydrogen economy valuation is projected to exceed 200 billion USD by 2030*, and hydrogen is projected to cover at least 25% of total energy needs by 2050.

NASDAQ estimates hydrogen power will start an 11 trillion USD revolution in 2022**

By purchasing WH2C cryptographic tokens you become part of the White Hydrogen Coalition, and by participation in the project you can help to clean the world and make profit while doing it!

Just 100 EUR cleans 120 kg of plastic, an amount that matches the average quantity of plastic waste produced in one full year by a single person.

The return on initial investment in an LTC plant is less than three (3) years. Every plant produces enough hydrogen to fuel 7,500 hydrogen-powered personal vehicles.

Source:

* https://www.iea.org/reports/renewables-2019

**Hydrogen Stocks Will Produce the 'Next Tesla' in Its $11 Trillion Revolution





MARKET FIGURES

As reported by the International Energy Agency (IEA), demand for hydrogen has grown threefold since 1975 and continues to rise. The creation and supply of hydrogen has become a strong industry sector. Sadly, hydrogen is almost entirely produced/supplied from fossil fuels, which consequently creates two main issues. It is a major environmental polluter whilst also being price dependent on the costs of other energy sources on the market.

It is reported that roughly 6% of all globally produced gas and 2% of globally produced coal are used for the supply of hydrogen*. The IAE states that the "production of hydrogen is responsible for CO2 emissions of around 830 million tonnes of carbon dioxide per year, equivalent to the CO2 emissions of the United Kingdom and Indonesia combined*.

Current world production of hydrogen is north of 70 Mt. With most of it being produced using fossil fuels, its production cost is largely dependent on the market prices of gas and coal. It has been calculated that gas accounts for 45–75% of the production costs. With the increasing prices of gas and oil in recent years, not to mention the possibility of a limited supply of gas (European energy crisis 2022), it is of paramount importance to start switching to alternative production methods that rely on other sources.

With its acceptable investment level, low production cost, small size, and ability to exploit resources that are in an abundance, LTC technology is a perfect and accessible solution.

Source:

*https://www.iea.org/fuels-and-technologies/hydrogen

TOKEN

SYMBOL

WH2C

(ERC20)

TOTAL SUPPLY

446 MIO

- Plant Starter utility token
- White Hydrogen Market Platform exclusive currency
- Staking
- Burning
- Governance token of proposed White Hydrogen Coalition

Sale

INITAL TOKEN SALE – 26 million in total

STAGE 1.

PRIVATE PLACEMENT	1. 5. 21 – 1. 7. 21	8 million WH2C	0.204 €

STAGE 2.

PRIVATE SALE 1	1. 9. 22 – 15. 9. 22	2.5 million WH2C	0.204 €

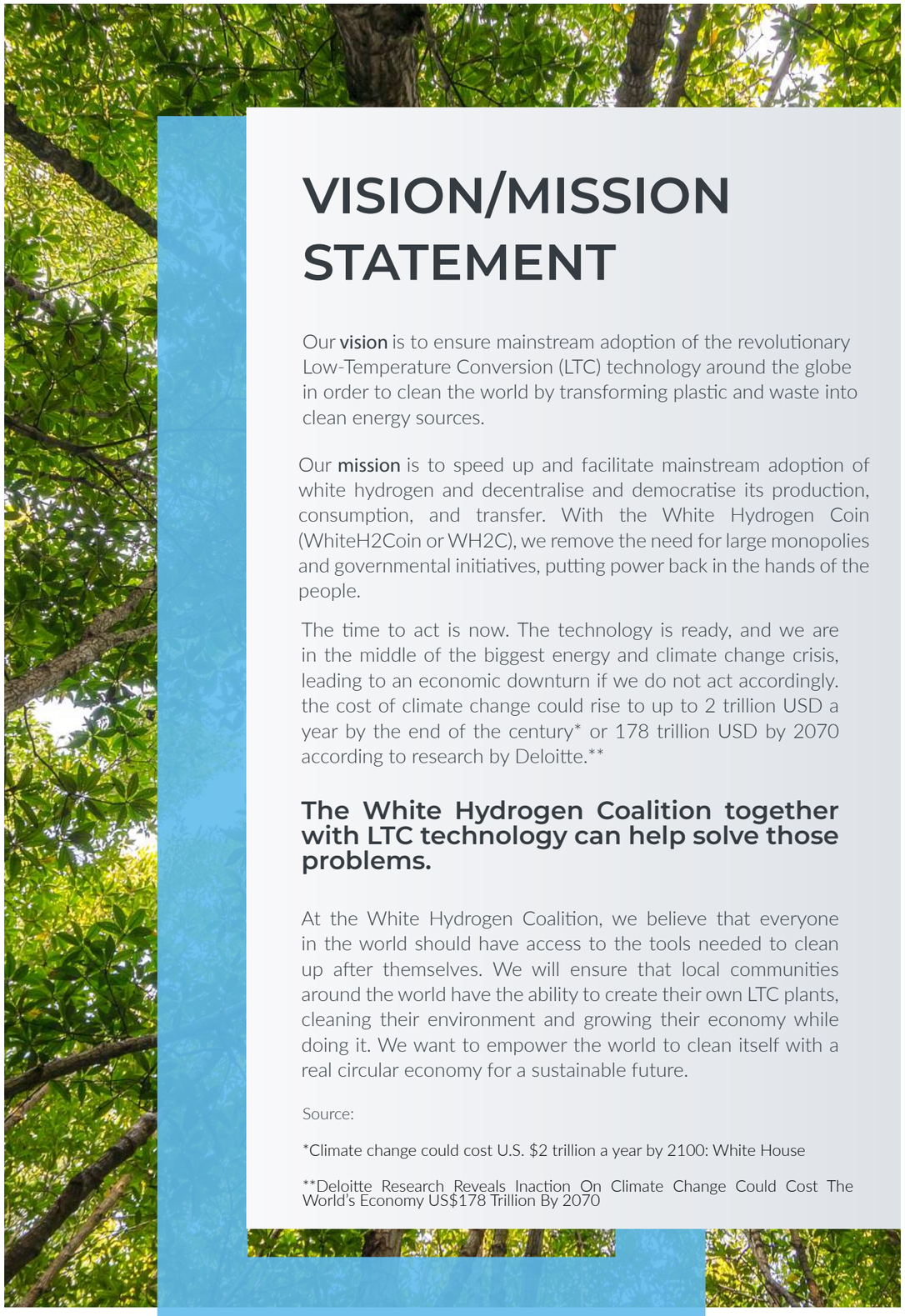
STAGE 3.

PRIVATE SALE 2	16. 12. 22 – 15. 12. 22	12 million WH2C	0.306 €

STAGE 4.

IEO	Date TBD (2023)	3.5 million WH2C	0.408 €

PLANT STARTER RELEASES – 193.4 million



VISION/MISSION STATEMENT

Our **vision** is to ensure mainstream adoption of the revolutionary Low-Temperature Conversion (LTC) technology around the globe in order to clean the world by transforming plastic and waste into clean energy sources.

Our **mission** is to speed up and facilitate mainstream adoption of white hydrogen and decentralise and democratise its production, consumption, and transfer. With the White Hydrogen Coin (WhiteH2Coin or WH2C), we remove the need for large monopolies and governmental initiatives, putting power back in the hands of the people.

The time to act is now. The technology is ready, and we are in the middle of the biggest energy and climate change crisis, leading to an economic downturn if we do not act accordingly. the cost of climate change could rise to up to 2 trillion USD a year by the end of the century* or 178 trillion USD by 2070 according to research by Deloitte.**

The White Hydrogen Coalition together with LTC technology can help solve those problems.

At the White Hydrogen Coalition, we believe that everyone in the world should have access to the tools needed to clean up after themselves. We will ensure that local communities around the world have the ability to create their own LTC plants, cleaning their environment and growing their economy while doing it. We want to empower the world to clean itself with a real circular economy for a sustainable future.

Source:

*Climate change could cost U.S. $2 trillion a year by 2100: White House

**Deloitte Research Reveals Inaction On Climate Change Could Cost The World's Economy US$178 Trillion By 2070

SHORT-TERM ROADMAP 2022

JULY
- Whitepaper finalization

AUG & SEP
- Marketing material
- Marketing campaign and community building start
- Contract finalization

NOV & DEC
- International marketing campaign start

LONG-TERM ROADMAP

2022

Second quarter
- WH2C private placement

2022

Third quarter
- Private sale 1
- First operational White Hydrogen Plant showcase in Maribor
- Private sale 2

Fourth quarter
- First Plant Starters

2022

2023

First quarter
- Project preparations for Construction of Plants funded by Plant Starters
- Community building
- IEO

2023

Second quarter
- Construction of Plants funded by Plant Starters
- Community building

2023

Third Quarter
- First operational White Hydrogen Plant funded by Plant Starter
- Community building
- White Hydrogen Market Platform BETA

2023

Fourth quarter
- White Hydrogen Market Platform
- 3 operational White Hydrogen Plants
- 2.160 tons of plastic recycled monthly
- 300 tons of hydrogen produced monthly

2024
- 10 operational White Hydrogen Plants
- 80.000 tons of platic recycled yearly
- 11.200 tons of hydrogen produced yearly
- 80 Mio USD expected turnover on the White Hydrogen Market Platform yearly

TECHNOLOGY

Blockchain:
- Ethereum and Avalanche
- Solidity

Frontend:
- Django- Solidity

Third Party:
- Onfido
- Metamask
- Walletconnect

Backend:
- Passenger server
- Django

DB:
- MySQL

Registered users who want to buy some tokens are OBLIGED to pass a thorough verification process of KYC and AML by the third-party provider Onfido* which takes care of GDPR as well.

Onfido is a service provider to Revolut, Bitstamp, etc. and was founded by great companies like Salesforce, TPG, Microsoft's Venture Fund, University of Oxford, etc.

Live demonstration

There is now a showcase LTC technology White Hydrogen Plant in Maribor, Slovenia!

Once first White Hydrogen plant is set up and operational you will be able to tune in to one of our livestreams to check out the factory and the production of white hydrogen online!

Contact

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