WHITE PAPER

COINWATT A.S. (SK)

CWA COIN

Sommary

INTRODUCTION TO THE PROJECT 4

CHAPTER 1 - ABSTRACT 6

1. *Mining* proportional to the renewable energy produced 7
2. Sustenance of the value of the *coin* 8

CHAPTER 2 - MAIN TYPES OF BLOCKCHAIN 11

a. *Proof-of-Work (PoW)* 11
b. *Proof-of-Stake (PoS)* 11
c. *Proof-of-Authority (PoA)* 12
d. *Proof-of-Space (POS)* 12
e. *Proof-of-Capacity (PoC)* 12
f. *Proof-of-Burn (PoB)* 12
g. *Proof-of-Elapsed Time (PoET)* 13

CHAPTER 3 - THE CORPORATE BLOCKCHAIN 13

CHAPTER 4 - GEOMETRY OF THE BLOCKCHAIN BUSINESS 16

4.1 - THE STRUCTURE 16
4.2 – PROOF OF LISTENING 17
4.3 – VALIDATION 17
4.4 – THE WALLETS 18
4.5 – LIGHT: WALLET BASE 19
4.6 – SECURITY 19
4.7 – WALLET PRIVATE: ADVANCED SECURITY SYSTEM 20
4.8 – CRYPTOGRAPHY WITH ELLIPTIC CURVES 21
4.9 – DECENTRALIZATION 22
4.10 – SERVER E MICRO-SERVER 22
4.11 – LOCAL WEB PROGRAMS 23
4.12 – THE SYSTEM OF MONETARY RECOGNITION 24
4.13 – ISSUANCE OF INTERNAL MONETARY TOKENS 24
4.14 - THE DECENTRALIZATION FLOW OF FILES 25

4.15 - File request flow 27
4.16 - QR Code 27
4.17 - Uses of corporate blockchain 27
a. Eco-bonus Blockchain, visible on https://www.ecobonusblockchain.it/ 27
b. Blockchain Art, visible on https://arteblockchain.it/ 28
c. Blockchain products, visible on https://prodottiblockchain.it/wordpress/ 29
4.18 - the scalability and priority weight of the enterprise blockchain 30
Chapter 5 – The Vision 30
5.1 - Sustainability of the CWA coin 31
chapter 6 – the Mission 32
Chapter 7 - Renewable Energy Production with Blockchain and Full Green Mining 33
Example of full green mining 36
Chapter 8 – Integrated International Multimedia Platform (p.i.m.i.) 38
Chapter 9 - MyCloud-MailServer platform 41
a. Certification of personal identity 42
b. Digital medical record 42
c. Digital motor vehicle booklet 42
d. Mail Server 43
e. Write&Send (WhatsApp aziendale) 43
f. Advantages 43
Chapter 10 – Flat Integration Form NFT Art Marketplace 44
Chapter 11 – Flat Integration Form Certification Products 45
Chapter 12 – ECO FAMILY SYSTEM Platform 45
Chapter 13 - platform of Games in blockchain 47
A - Winning Listeners Draw 47
B – Instant Mining 48
C – BINGO MINING 49
Chapter 14 – The Community 50
Chapter 15 – Tokenomics 51
15.1 Distribution of tokens 51
15.2 Use of the CWA token/coin 53
Chapter 16 – technical description and product architecture 54
Chapter 17 – road map 55
Chapter 18 – information on the use of funds raised in case of minimum cap (3m) 58

CHAPTER 19 – DISCLAIMER 60
19.1 RECOMMENDATIONS AND GUARANTEES 62
19.2 THE IMPORTANCE OF RISK SHARING 62
19.3 ARBITRATION AND APPLICABLE LAW 63
CHAPTER 20 – AGREEMENTS AND CONVENTIONS 63
CHAPTER 21 – ESTABLISHMENT OF A NON-PROFIT 63
CHAPTER 22 – OUR TEAM 64
ANNEX A 67
GLOSSARY 70

INTRODUCTION TO THE PROJECT

The project described below will be developed and regulated on the *blockchain* technology of ***EN Group s.r.o.***, whose shareholders are an integral part of the corporate structure of ***CoinWatt a.s.*** The technology developed over years of testing and research allows today ***EN Group s.r.o.***, a company capitalized for € 11,575,000, to present a *hardware* and *software* proposal with undisputed technical and commercial validity.

On 23/04/2022 the **International Searching Authority (ISA), Visegrad Patent Institute, a subsidiary of the Slovak Republic**, published the result of the verification carried out on the request for protection of the Industrial Patent by ***EN Group s.r.o.***, as referred to in the **PCT/SK2021/050013 number (International Application Number).**

The request had as its object the protection and recognition of the transaction validation system through listening to the web radio and the decentralization of the digital data of its *blockchain*, which uses special *hardware* devices that are produced by the company and sold to authorized users. The patent also has a peculiar *hardware* component, represented by the ***Key Security Server***.

It is integrated with the ***Key Security System software,*** which represents an additional security system for access to *blockchain wallets* by users who own the *hardware*. It is a *micro server* connected to the protocol, which displays random codes sent from the *blockchain* to the video integrated into the *hardware*, after the server identification routine.

It is a function of specific alphanumeric keys generated instantly by the protocol, always different, in order to guarantee a high standard of security for access.

This identification procedure is also replicated during the *server* connection protocol phase, clearly through an automated algorithm.

The purpose of the system is to protect products, services, contracts, securities, intellectual works, as well as to track and record monetary transactions. Following the issuance of the written opinion, ***EN Group s.r.o.*** has requested the granting of the Patent and the validation of its invention in EU countries.

What is reported in relation to the *request for a Patent* is the consistent conclusion of another previous appraisal requested by ***EN Group s.r.o.*** on your own applications to which the characteristic of "business know-how" was also attributed

in June 2020 understood as "a complex of knowledge and attitudes, not disclosed, patentable or not, which identify a "***know-how***" *aimed at a specific area within which the holder of that human capital operates and organizes its own activity".*

To understand the process of operation of the *blockchain*, let's start from a definition: the *blockchain* records everything that can be translated into a digital data (goods, products, services, works of art, contracts, intellectual property, personal identities, etc.), making it immutable, indestructible and publicly verifiable. Everything can be enclosed in a *QR Code*.

The *blockchain* of ***EN Group s.r.o.*** it has a decentralized structure, rooted in a public community, that is a *network* of users interconnected with a *hardware*, represented by *PCs* and / or *servers*, regulated by a *software* protocol. The *hardware* and *software* are developed and manufactured by the same company ***EN Group s.r.o.*** and by the subsidiary ***EN Italy srl***. The *holding company* is also the owner of the company's w*eb radio* (Radio *Blazon* accessible from the site http://radio.blazoncommunity.com/), which plays a fundamental role in the validation of the data entered in *the blockchain* and which will be implemented in the ***Integrated International Multimedia Platform P.I.M.I.*** which we will talk about in the *White Paper*.

CHAPTER 1 - ABSTRACT

The ***CoinWatt a.s.*** project will see the light of day with the establishment of a legal entity under Slovak law, which is endowed with regular licenses to operate in this field, issued by the Licensing Office of the Slovak Republic.

The *core business* of our project is represented by the resolution of the well-known critical issues related to many existing cryptos which require enormous uses of energy for the *mining* process and sin in the sharing of *governance* as they exploit communities with pyramidal organizational models, not allowing in fact the sharing of data registration and certification.

Further critical issues are represented by hackers, who very frequently tried to breach blockchains but with little success, so it is necessary to continuously raise the security standard and find new systems to contain future attacks.

Another critical issue is the high cost of computers in all *blockchains* that use *proof of work*, as they are in competition with each other and this strongly limits the entry and approach to the project to most individuals.

In our project we believe we have had an innovative approach to overturn the drama of energy consumption, making our *blockchain* "sustainable" in line with the guidelines of the political and economic world of democratic countries that are clamoring for greater protection of our planet, and opening not only formally the *governance* and protection of data to our future *community* , not by offering economic "barriers to entry" but by encouraging the adhesion and participation in our project of thousands, indeed tens of thousands of supporters!

To implement this, it will be necessary to create and sell NFT representative of the company-owned plants for the production of renewable energy, which will give buyers the right to participate in *mining*, proportionally remunerative of the quantities of *NFT* owned.

The digital copy of each MW of plant will be divided into 1,000,000 *watts* and the desired *watts* for the generation of their NFT can be freely purchased.

The purchase of NFTs entitles you to proportional *mining*, as described, for 30 years, equivalent to the entire life cycle of the plant. The sale of NFTs, the production of renewable energy, the sale of the same, the *awards* for *mining* and accounting documents, will be recorded in *blockchain*.

The *blockchain* will allow the members of the project, through voting systems, to participate in corporate *governance*, through the appointment of a member of

the Board of Directors of our *holding company* identified among the members and chosen by the members themselves with public voting in *blockchain*, as well as to evaluate business initiatives proposed by the *community* and to participate in the required surveys, as well as to listen to individual voices about different forms of development of the project itself.

The initial phase of the I.C.O. will aim to establish the necessary structures for the production of energy, i.e. renewable energy plants. In addition, each member of the project, in addition to the NFT, will be able to purchase *a hardware* (*server* and *micro server*) of company production, to participate in the decentralization of data and therefore in a *full green mining*. Server owners will be awarded a higher *prize* by virtue of their participation in the public digital data decentralization network. For this purpose, a production line of company hardwares and *softwares* will be set up for the necessary types.

The current *web radio*, already listened to in over 150 countries around the world, will be transformed into an ***Integrated International Multimedia Platform (P.I.M.I.)*** which will have in the schedule, in addition to musical programs, also cultural, information and entertainment content, proposed through the subscription of subscriptions. In this way we will expand the already vast audience of validator users, intercepted through listening to the ***Multimedia Platform***.

Two aspects are fundamental:

1. *Mining* proportional to the renewable energy produced

The concept of *full green mining* is based on a well-defined logic: each *miners* will receive the awards deriving from the sale of the energy actually produced by the relative amount of NFT owned by the plants. In fact, from the sale of the renewable energy produced, the company will retain a percentage for itself, to take charge of the design, construction and maintenance of the plants, while the remaining percentage will be distributed to those who have purchased NFT representative of the plants, as described in the "Summary Table *Mining Full Green*" figs. 4 and 5 on page 37.

The *mining* will therefore not be proportional to the amount of energy consumed by *the servers* and the *hardware* capacity of the computers, but will be proportional to the amount of energy produced: **it will be *low Energy*, *full green*, *proof of listening* and *proof of Energy*.**

2. Sustenance of the value of the *coin*

The company, with the percentage share due from the proceeds from the sale of the renewable energy produced, will purchase ***CWA coin*** in the *marketplace*, which will be distributed to the owners of the NFT according to the above entitlements, participating in the sustenance of the value of the *coin*. Each *miners*, in addition to the *award* deriving from *mining*, will be able to receive additional economic benefits from the enhancement of the listed coin, while the mined coins will go into a company *wallet*. For the amount of coins issued in the block and not mined, burning will be carried out.

After the first years of implementation of the plants, the company will sell the energy produced not only to national operators but also to end users, becoming an energy supplier and also creating charging stations for electric cars.

Tokens can be used to:

- Purchase hardware for *mining* and decentralization;
- Buy NFT;
- Make purchases in commercial activities that adhere to the circuit of the *Community* of users / validators, with a dedicated discount;
- Participate in *blockchain* games
- Purchase certification packages for products, goods and services;
- Purchase subscriptions for media platforms.

The *blockchain* of ***EN Group s.r.o.*** it is already prepared to marry this project as it is of the *Low Energy* type, that is, its operation provides for reduced energy consumption.

As already mentioned, the project includes the creation and implementation of platforms suitable for the functioning of the entire ecosystem.

The other platform that will be expanded will be that of the ***MyCloud-MailServer***, which exists as a *blockchain* storage *cloud*. Inside it will be given the opportunity to users to:

- Certify your identity;

- Certify their medical record, providing a service of collection of health data of the subjects of ready use for any needs;
- Certify the digital booklet of the motor vehicles owned, for the administrative and maintenance control of the same;
- Access the certified and registered *blockchain* mailing service;
- Access a fast and intuitive chat.

Those who join one of the services of the MyCloud-MailServer platform, will be able to take advantage of discounts for the purchase of insurance, social security and commercial services, proposed by the business partners who will join the project.

The art platform will instead be modified and expanded for the sale of NFT.

The new platforms will instead be the ***Platform of Games*** and the ***Eco Family System Platform***. The first will be used to access a series of games, directly managed and organized by the *blockchain*, such as *Bingo Mining*. The second platform will instead concern the observation of the green behaviors of the individual and his family, that is, of the environmentally friendly attitudes. With this platform, users participate in monetary awards and various awards at an international event that will be held every year, where the most sustainable behaviors among all the members of the Community will be celebrated. The proceeds of the shares in the ***Eco Family System Platform*** will be used for the planting of areas intended for reforestation.

It should be borne in mind that the described tokenization system of renewable energy plants will then be extended to any asset/activity that generates profitability that will be shared, for a fixed period of years, with the buyers of the NFTs representative of the tokenized assets and maintaining the entire ownership of the same assets (real estate, hotels, land for cultivation, ships, planes, etc.).

Each tokenization will participate, with the system described above and through the purchase of the company *coin* from the *marketplace*, in the increase in the value of the *coin* itself.

Given the critical issues of blockchains and the problems related to the value of *coins*, summarized in:

- Consumption of electricity of *hardware produced* from fossil sources;

- Excessive consumption of electricity;
- Poor decentralization of digital data;
- Static nature of validation and decentralization nodes;
- For many *blockchains*, entry to *mining* is prohibitive due to the high costs of acquiring *hardwares* and related energy costs;
- Volatility of the value of coins, dictated only by the mechanism of supply and demand on *the marketplaces*;

this project aims to:

- Expand the community of validator users;
- Expand decentralization nodes;
- Trasformare la *blockchain* da *low Energy* in *low Energy full green*;
- To *intercept* public and dynamic ip validators through the *proof of listening* of the multimedia platform;
- Allow anyone to participate in the project with a small sum;
- Produce and distribute electricity from renewable sources;
- Support the value of the currency, using the sale of renewable electricity as its underlying;
- Export the *business model* to each country;
- Internationalize the participatory community, understood as the number of validators, decentralizers, *partner* companies and users in various capacities;
- Make the *community* participatory, through voting and surveys, also with the appointment of a member of the Board of Directors, chosen by the members themselves among the members of the *community*.

CHAPTER 2 - MAIN TYPES OF BLOCKCHAIN

Currently in the world of *blockchains*, different consensus algorithms are used that are named according to their characteristics. Below we will describe the most common.

a. *Proof-of-Work (PoW)*

Proof of Work is an algorithm that is used by *Bitcoin* to reach decentralized consensus between blockchain nodes and validate transactions.
SHA-256 is the *Proof of Work feature* used by *Bitcoin*.
Bitcoin uses *miners* to solve extremely complex and computational mathematical problems in order to add blocks to the *blockchain*. This feature produces a specific type of data that is used to verify that a significant amount of work has been performed, hence the term *Proof of Work* or proof of work. This process requires a lot of time and energy to power the grid and computers.

In fact, the *Miners*, those who help the validation of the nodes, receive excellent rewards in BTC. It is therefore clear that the greater the energy used and consumed, the greater the *mining* carried out.

b. *Proof-of-Stake (PoS)*

The *Proof of Stake* consensus algorithm was introduced in 2011 on the *Bitcointalk* forum with the aim of solving energy consumption problems. With *Proof of Stake*, the addition of new blocks in the *blockchain* is called "Minting" instead of *mining*.

In *Proof of Work-based* systems, new money is created to reward *miners*, while in *the Proof of Stake* system it distributes transaction fees as a reward.

Users who want to participate in the validation process must block a certain amount of coins within the *network* and this process is called *stake*. The size of the *stake* determines the chances of a node being selected as a validator and acting to mint the next block: the larger the *stake*, the greater the chances of being chosen as a validator.

c. ***Proof-of-Authority (PoA)***

Proof of Authority (PoA) is a reputation-based consensus algorithm. The *PoA* consensus algorithm makes use of the value of identities. This means that block validators *stake* their reputation instead of *coins.*

PoA blockchains are protected by validation nodes that are randomly selected as trusted entities. This consensus model is based on a limited number of validators, making it a highly scalable system. Blocks and transactions are verified by pre-approved participants, who act as moderators of the system.

d. ***Proof-of-Space (POS)***

Space proof *(PoS)* is a fairly "new" consensus algorithm as a concept. Currently in use with the *Chia Network blockchain*.

A *Proof-of-Space* is data that a provider sends to a verifier to prove that a certain amount of space has been reserved. For convenience, the verification process must be efficient, that is, consume a small amount of space and time. Always in *Chia Network* to participate in the validation of the nodes we must make available the space of our *HDDs* of our *PC* obviously connected to the *Network*.

e. ***Proof-of-Capacity (PoC)***

Proof of Capacity *(PoC)* is a consensus algorithm used in blockchains that allows *mining* devices connected to the network to use the available space on the hard disk to decide *mining* rights and validate transactions. The larger the hard drive, the more it has the ability to create data in it, the greater the chances that a miner will match the *hash* value required by his list, resulting in a higher chance of winning the *mining* prize.

f. ***Proof-of-Burn (PoB)***

In this consensus algorithm, the process of validating blocks within *networks does* not require the use of computational resources and does not depend on hardware for *mining*. Cryptos are eliminated, or burned and used as a means to

"invest" resources in the *blockchain*. In *PoB* systems, miners invest in virtual *mining rigs* or virtual *mining power*.

Through *burn*, users can demonstrate their commitment to the network, gaining the right to "mine" and validate transactions. The greater the number of coins burned by a user in favor of the system, the greater its *mining power* and, consequently, the higher the chances of being chosen as a block validator.

As with *PoW*, *PoB* systems offer rewards for creating a block, and within a certain period of time they should cover the initial investment of the burned coins.

g. Proof-of-Elapsed Time (PoET)

The PoET (*proof of elapsed time*) consensus algorithm allows actors involved in the system to reach a consensus in a situation where counterparties are not aware of information regarding each of them.

CHAPTER 3 - THE CORPORATE BLOCKCHAIN

In this paragraph we will describe the peculiarities and uniqueness of **EN *Group s.r.o.*** *blockchain* technology. The first fundamental aspect is the *Low Energy* connotation of technology. In fact, for its operation a low energy consumption is used, reducing the negative impact on the environment. In this *blockchain* there is no competition between miners, while the consensus algorithm used is a combination of a *proof of stake* and a *proof of listening*.

The participants in the nodes of the corporate blockchain contribute to the validation of data through radio listening or using *micro servers* (***Speed Box Server*** and ***Speed Box Sentinel***) that perform the dual operation of radio listening and decentralization of data (*proof of listening*).

The *mining* for the achievement of distributed consent is entrusted to users through a *proof of stake*, which is recognized a *revenue* proportional to the demonstration of possession of a certain amount of *tokens*.

The second aspect is the concrete existence of a participatory community, which thanks to listening to the web radio, *podcasts* and *tutorials* published, journalistic news and what else we will produce contributes to the validation of the data entered in *the blockchain*.

The structure of the ***EN group s.r.o.*** blockchain it rests on four fundamental pillars:

1. **Registration/Validation** of data.

   It consists in the initial input of the verification of the data. It is entrusted to the community of interconnected users, who provide blockchain technology with dynamic public IPs (nodes) of their *PCs* or *devices and servers*.

   The recognition of IPs takes place by listening to the *Blazon Web Radio* for validation only, while a *hardware*, called ***Speed Box Server***, in addition to radio listening allows the quadruple action of *mining*, recording, decentralization and storage of digital data. The ***Speed Box Server*** is in the possession of all users of the platforms described below. The *hardware* and *software* are produced by EN Italy srl.

   Blazon Web Radio reaches over 150 countries in the world and the listeners recorded in *blockchain* totaled 2,066,061 open sessions (listening inputs) and 61,767 public IPs identified in the year 2021 alone. The listening *share*, also validated digital data in *blockchain*, can be deduced from Annex "A", p. 67, 68 and 69 (figs. 15, 16, 17 and 18). Therefore, when a data is entered into the *blockchain*, a series of IPs are randomly queried by the algorithm: from the same IPs a unique message returns by bounce at instant zero. If only one of the IPs in question sends a discordant response from the others, the registration is canceled and re-proposed immediately, replacing all the IPs of the first query with others. It is a procedure that serves to prevent the intrusion and corruption of the system by a *hacker*.

2. **Random decentralization** of the recorded data.

   This process comes to the aid of the need to create multiple copies of information, in order to preserve it from destruction: the more copies there are in more different places, the more difficult it will be to modify or corrupt it. The random decentralization of data takes place second by second, using *hardware* and *software* dedicated and interconnected to the *blockchain*, owned by all users of the platforms dedicated to the different applications of the technology.

The data to be stored is replicated within the hardware. These servers are distributed in the public community, until now located between Italy and Slovakia, and no one has the opportunity to violate the systems and know the content of the archive stored within them: protection is ensured by a dedicated algorithm.

The blockchain algorithm itself generates random and non-sequential alphanumeric codes for each action. The parameters used to create the codes are also random and are derived from four real variables: the weather, the temperature, the geographical coordinates of a location and those of a city in the world taken at a given time and in a certain place.

The information generated, which shows the aforementioned code, is stored autonomously in each *server* present in the network of interconnected users, making it unchangeable and incorruptible.

3. **Protocol**.

   The pact that regulates the relationship between the *blockchain* and the set of *servers*, *hardware* and public IPs, is represented by a *software* protocol that has within it the security systems necessary to prevent the violability of the structure.

   In fact, the *blockchain* of ***EN Group s.r.o.***, in addition to the safety processes listed so far, includes a further and unique recursive control: the *CONTROL REBOUND*. This process analyzes all the *keys* (return keys) that the *IPs* and *servers* produce randomly and reworks them in the last instance, avoiding further dangers of data breaches.

4. **Visibility from technology**.

   In conclusion, the process that reports trust between the parties is represented by the visibility of the technology, understood as the possibility of verifying the presence of encrypted, recorded and archived data.

   Each individual data will report the public keys and the numbers of the IPs involved in the registration.

CHAPTER 4 - GEOMETRY OF THE BLOCKCHAIN BUSINESS

4.1 - THE STRUCTURE

The *blockchain* of ***EN Group s.r.o.*** it has a *hardware* and *software* geometry particularly suitable to express the highest level of integrity and security.

The entire *server* sector, both corporate and decentralized, is structured according to an order of four lines, or levels, for the validation, recording and decentralization of digital data.

The first level is represented by a group of central *servers* called **CORE** that hold the entire *blockchain* and a series of *databases*.

The second level is identified with the *servers* of the **MIRROR** family, responsible for receiving the validated data from the *hardware* system that provides the public IPs, through listening to the *web radio*. Decentralized *servers* (***Storm, Blade and SBK***), ***Speed Box Servers*** and ***Speed Box Sentinel*** are entrusted with the public decentralization of digital data (fig. 1).

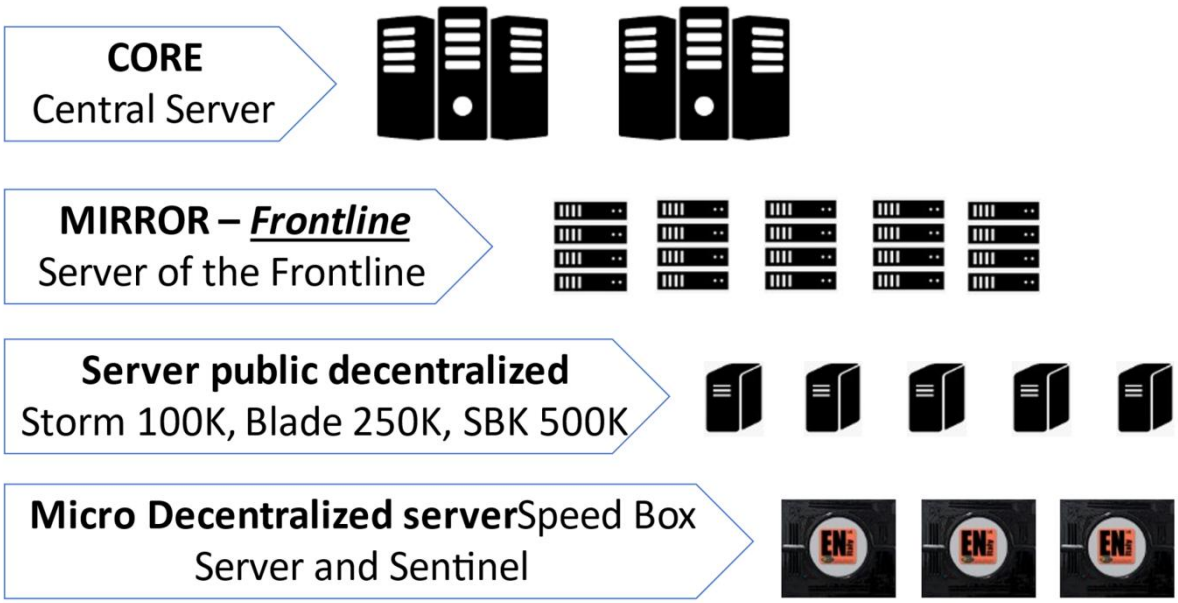


Fig.1

4.2 – Proof of listening

The En Group s.r.o. Blockchain is based on the "***Proof of Listening***" listening test of streaming content or any other listening system proposed in the company platforms, by the users involved in the system as "validator users".

Currently the most popular example is listening to company radio in streaming.

For those who want to participate in *mining* to have the currency of the system in exchange and want to increase its monetary return (described in the specific chapter), they must first make this listening in "*login*" mode, that is, after having carried out a recognition procedure, or with specific company servers purchased by them, with attached unique encrypted identification, which allows the protocol to have knowledge of who is connected to the "*Proof of listening*" system.

The code that allows the control is inserted in the *web* pages or company *apps*, which, in addition to listening to the various audios described above, are able to record the hours of listening of each individual user.

Each user is controlled in his listening quality to ensure minimum stability.

In this phase of "*Proof of listening*" the user is participatory, but receives in return a service, such as a radio stream, a piece of music, preview news in audio format, etc., without receiving any reward in *coins*.

4.3 – Validation

Always through the program integrated in the listening systems, the *blockchain* protocol randomly sends to the users, who have passed the minimum level of listening quality, the data of the individual transactions, using the equipment connected to the system and forwarding the following data:

- Unique alphanumeric code of the transaction under verification;
- Encrypted code to enable the transaction.
  Only after the positive identification will be sent all the data, always encrypted, of the two wallets in transaction with the value of the same.
  In the following chapters we will explain how the various *wallets* and unique identification and security systems are organized.
- The date and time of the verification request.

The participants chosen by the technology will return the data sent with additional specific *keys*, determined by the resolution of the "Elliptic Curves" encryption sent at the start, having a double check and therefore the confirmation.

Only if a value will be congruous in the return on the checks carried out and this will be repeated for a value "x" of feedback, the transaction will be confirmed with the actual data and values, being archived and put on record.

4.4 – The Wallets

Each user, after initial registration, is associated with a personal wallet or wallet type "Light" which is associated with a complete personal data, accompanied by a personal selfie of the open and visible identity document.

The protocol provides, at the security level, two types of *wallets*: ***Light and Private***. Their differences relate to the maximum capacity of storable coins and the security levels for access.

Each *wallet is* associated with the following identifying and unique keys:

id_wallet	Unique wallet identifier
K_code	Private security footprint associated with the *wallet*. Unique alphanumeric key private of the *wallet*, required or included in some phases by the protocol. - **Access to the *wallet*** - **Purchase of services** - **Other** Example of *K_code*: *K_code= KOD0g6uHj8202217381706206gdj202217Z2O38* Len_Kcode=len(*KOD0g6uHj8202217381706206gdj202217Z2O38*) The "*len_string*" of the same is variable, generated by a specific algorithm during registration.
I_code	Impronta Digital *Wallet* (**sk**) A unique private alphanumeric key associated with the *wallet*, which identifies transactions performed by the *wallet*. It is associated with the transaction, as feedback on the user who is performing the operation. Example of I_code: I_code= *IBKOdp0G6U203820Jjh173817062rt0620252517N2O380G6U3849060G6Ulf384920* Len_I_code=len(*IBKOdp0G6U203820Jjh173817062rt0620252517N2O*

	380G6U3849060G6Ulf384920) The "*len_string*" of the same is variable, generated by its own algorithm during registration.
User	User code chosen by the same during registration
Password	*Access* password, choice of the user during registration

4.5 – LIGHT: WALLET BASE

This wallet has been designed to have a simpler type of accessibility, with a limitation on the amount of coins that can be stored in it. It is associated with all registered users and is able to manage transactions as a current account.

The functions of the *basic wallet* are:

- Send money
- Management of personal data.
- Verification of transactions performed
- Control of *blockchain* keys and block verification.
- Aggiornamento *password*
- Access to the exchange platform

4.6 – SECURITY

Access to the wallet is configurable by the user within the *wallet* configuration panel, for a minimum of 3 *access private keys* (*id / user / password*) until access via "KSSA" **Key Security Server Access**.

Esempio:

1°	*Easy access 3 Keys*	*User / Password / K_code*
2°	*4 Keys*	*Id / User / Password / K_code*
3°	*4 Keys + 1 Hardware Key*	*Id / User / Password / K_code / KSSA*

The "**KSSA**" is a wi-fi and lan micro-server, connected to the *blockchain*, configured on the user and hooked to his *wallet* through:

Key1: [val(id) + int(f(K_code) – f(I_code))] /date(his)

Key2: [val(id) + int(f(K_code) – f(I_code))] /date(hisYmd)

Where on Key1:

f(K_code) is a calculation function applied to the cited key.

f(I_code) is a calculation function applied to the cited key.

date(his) is the value instantly derived from the sum of hour+minutes+seconds.

Where on Key2:

f(K_code) is a calculation function applied to the cited key.

f(I_code) is a calculation function applied to the cited key.

date(hisYmd) is the value instantly derived from the sum of hour+minutes+seconds+year+month+day.

Then release, on demand, the Access Key as a "***Public Key Encryption Scheme***".

4.7 – Wallet Private: Advanced security system

Differences with the Light *wallet*:

- Unlimited monetary storage capacity
- Access with a higher level of security

The *Private wallet* has been designed as a safe deposit box for the user who has a high token value, greater than the management capacity of a *Light wallet* and therefore also equipped with a less easy access system, but with high security.

How was access security designed?

In addition to the functions designed for light and configurable by the user, the system sends to an *email* box, communicated to the user only at the time of the first connection confirmation, a message containing a specific alphanumeric code, which will be copyable only after access to this box, which enjoys a *password* different from the basic *wallet*, chosen by the user when opening the *Private wallet.*

The steps of access to the *Private wallet*:

- Insertion of the standard Keys decided by the example user:

Id / User / Password / K_code / KSSA

First verification of the user with positive recognition and access to the second phase

- Communication of the mailbox to be opened:

From time to time the system will choose a different *domain into-blockchain*, connected to a server capable of managing an **Email-Services**.

- Example: xxxx_xxx@dominio.com/org/eu/info/cloud/ecc...
- Sending an *email* with access code to that box.
- The user must access this box at the address provided, *log in*, open *the received email*, copy the **HASH** code sent.

The access *password* will be different from that of the *wallet*, decided during the opening phase of the *Private wallet*.

- Finally paste it into the login page, stop waiting for said code.

Verification of the *Hash-code* entered and if the feedback is positive, you will have access to the functions of the *wallet*.

This system guarantees a high *standard* of safety, combined with the *KSSA* previously described.

4.8 – CRYPTOGRAPHY WITH ELLIPTIC CURVES

The Transaction Access and Verification System uses the "***Elliptic Curve C Rittografia***" technology. Elliptical cryptography is a type of cryptography based on elliptic curves in a finite field.

$f(x,y) = y^3 - x^3 - ax - b$

Several mathematical functions have been discovered, such as the elevation to power of prime numbers and multiplication on an elliptic curve, which are easy to calculate in one direction, but difficult to reverse; the latter uses the system as the basis for its public key cryptography.

Each transaction requires a valid signature to be included in the *blockchain*, which can only be generated with valid digital keys; by checking the transactions on the *blockchain* (accessible to all) the *wallet* can also make the account of the coins of a particular user, through the unique signature of said *Keys*.

In a transaction, the recipient's public key is represented by his double *keys* fingerprint, called "**I_code**" + "**K_code**", which has the same function as the name of the beneficiary on a check, but with absolute identity security.

Each user address (**ά-wallet**) is generated from the private keys "**I_code**" + "**K_code**", to which a unique public numeric id called "id-wallet" is associated.

In the *blockchain* the feedback is always carried out by several identification keys and never by a single one, thus improving the factor: "**Uniqueness of feedback**".

The "**Multiple-Crossed-Keys"** are therefore feedback keys that are able to generate, appropriately crossed randomly, specific *hash* codes, making all the findings easily identifiable by the protocol, but hardly retroactive and identifiable by external factors.

Public key cryptography was invented in the 70s and is one of the foundations of cybersecurity. In a public key system you have two keys:

- a private key to decrypt (**sk**)

- a public key to encrypt (**pk**)

The public key is placed in a secure "closet", so as to allow everyone to use it to encrypt messages, while the private key, on the contrary, is kept secret and is used only by the one who has to decrypt the message.

For a theoretical discussion on the mathematics of the cryptography system described above, we invite you to consult specific publications on the same.

By combining the **Multiple-Crossed-Keys** with the "**KSSA**" access systems and the "**Private Wallet Access**" the security standards that the system offers are high, while still giving the user the opportunity to configure them to his advantage.

4.9 – Decentralization

One of the biggest challenges of a *blockchain* is the random distribution of data to connected users. In the protocol under analysis, this system is entrusted only to those who own the **servers** or **micro-servers**, able to carry out storage in encrypted format.

All owners of such *hardware* devices connected with the protocol are automatically awarded a higher reward, being also owners of **ENERGY-NFT.**

4.10 – Server e micro-server

They are "**LAMP**", **LINUX - APACHE - MYSQL - PHP** devices, mounted on small or large cards, with features that can manage the validation and storage functions of

the transmitted data. They are able to communicate both in **Wi-Fi** and via **Lan.** The substantial difference is in the storage space from **hundreds of Gb** to **tens and tens of Tb.**

Inside there are various programming functions, able to intercept the "**calls**" of the protocol and verify the uniqueness of the call, while the protocol is able to ask the same of the instant recognition Keys generated by some encrypted algorithms present in the *hardware*.

This ensures bidirectional identification of the system:

"**Unique bidirectional identification**".

Resident programs are able to identify the storage space and functions on which data to take over, then returning to the protocol the "**MAPPING-FILES**", that is, the encrypted feedback on the service carried out.

Each device has an automatic system of reconnection to the protocol, in case the connection line is missing for technical reasons: this system is able to monitor from a "low-level ping" program, with *script* [SHELL_EXEC (string $command);] the *servers* of the system with static address, identified in the logs of the previous *connect*.

Decentralized encrypted files, including *databases*, are placed in specific protected folders [*dir/storage*].

4.11 – LOCAL WEB PROGRAMS

All *servers*, having within them all the applications that solve the function of *WebServer* [*Aphache-Mysql-php*], are predisposed to the possibility of hosting programs remotely, which can work in *localhost* [127.0.0.1].

This function is able to interact with intranet users, at high speeds, with various features:

- load specific FORM-DATA.
- display custom panels with data that should not be updated in real time.
- interactions with home automation applications.
- data transmission in interfacing with the protocol, without having connection downtime.

4.12 – THE SYSTEM OF MONETARY RECOGNITION

We have described how the verifications and audio listening of miners are tracked by the protocol, now let's see how the rewards in internal monetary ***CWA coin*** are recognized.

The "***Proof of Energy***": every miner who wants to participate in the monetary recognition system, after having carried out the "***Proof of Listening",*** then having participated in the validation of transactions, must have purchased company NFTs called **"ENERGY-NFT",** linked to a renewable energy plant, able to generate energy expressed in watts, otherwise he will not be entitled to a reward.

Each NFT is identified with ***a unique alphanumeric id*** by the platform, generated at the time of purchase in internal currency of the system.

Miners_mining = ***Proof of Energy = mining base value;***

Miners_mining = ***Proof of Listening + Proof of Energy = increse mining value;***

4.13 – ISSUANCE OF INTERNAL MONETARY TOKENS

The total value of energy in Kwatt generated by all **ENERGY-NFT** in action, is controlled and converted into fiat monetary value, after the sale on the market of the energy produced.

With this fiat value acquired, the company will purchase money in the *exechange* for its equivalent, sending it to a designated and declared company wallet. The internal management program will verify and send, in proportion to all *wallets miners* holding **ENERGY-NFT**, the due entitlements in ***CWA coin***.

- ***Produzione_NFT_user= Val_Produzione_NFT_id_user_day_watt x Time;***
  Val stands for validated and controlled watt production.
- ***Produzione_NFT_Totale=Produzione_NFT_user[x_user]+Produzione_NFT_user[x_user]+Produzione_NFT_user[x_user]+Produzione_NFT_user[x_user]+ Produzione_NFT_user[x_user]+...;***

Each coin issued by the *mining* system is the result of a real fiat equivalent, acquired from the energy sale.

Every time the system goes to distribute money, it will only be after having supported it with the purchase in the exchange platform.

In this way the value of the currency will be continuously revalued.

All coins not generated in countervalue are automatically sent to the "***burning***" routine, thus avoiding monetary issuance that generates inflation.

So to speak ***of Proof of Energy*** means to tie **ENERGY-NFT** really purchased by the participants in that flow, producing wealth in the form of "**Energy-Clean**" energy, and therefore we can conclude by saying that the coin is one:

"CURRENCY PRODUCED WITH RENEWABLE ENERGY".

4.14 - THE DECENTRALIZATION FLOW OF FILES

The insertion of a *file* by a user, identified with a system registration ID, takes place through a platform, be it within a domain or a *smart contract*. **MIRROR** *servers* perform a complete audit of the following:

- Existence of the id of the incoming user with unique number;
- Checking for errors in the *file*
- Checking the weight, attributes, and properties of the *file*
- Rename the *file*, with the ID of the subject who uploaded the *file*
- *File* encryption
- Splitting the *file* (split-x file)
- Decentralization of the *file*

When the *file* is evaluated congruously, it will be synchronized with the CORE, which has a *mapping* protocol inside for recording the physical decentralization of the *file*. Each server, from **CORE** to ***Speed Box Server***, has its own *mapping* that is updated with each decentralization action.

In particular, the *mapping* of **CORE**, fundamental for decentralization, is continuously updated with the following data:

- Decentralization status of the *file* (if it has already been decentralized or is waiting to be decentralized)
- Type of *servers* used for decentralization (***Storm***, ***Blade***, ***SBK***, ***Speed Box Server*** and ***Sentinel***);

- Information on the *servers* in which the *file* has been decentralized, classifying the type of *server* and indicating in which servers the split copy of the file has been deposited;
- Mapping of new decentralizations and queries to *servers* that required files for decentralization, based on their available space capacity.

Public servers (***Storm***, ***Blade***, ***SBK***, ***Speed Box Server*** and ***Sentinel***), not having static but dynamic IPs, require **MIRROR** *files* to be decentralized, querying their *web* page and providing their available space. Each *server*, to be recognized securely by the **MIRRORS**, has multiple reference keys and a specific query protocol. Servers are identified with a hexadecimal string, containing various encrypted parameters.

Speed Box Server micro servers and ***Sentinels*** are distributed portions of encrypted *files*. These coordinates of *files* are then updated in the *mapping* of each individual *server*.

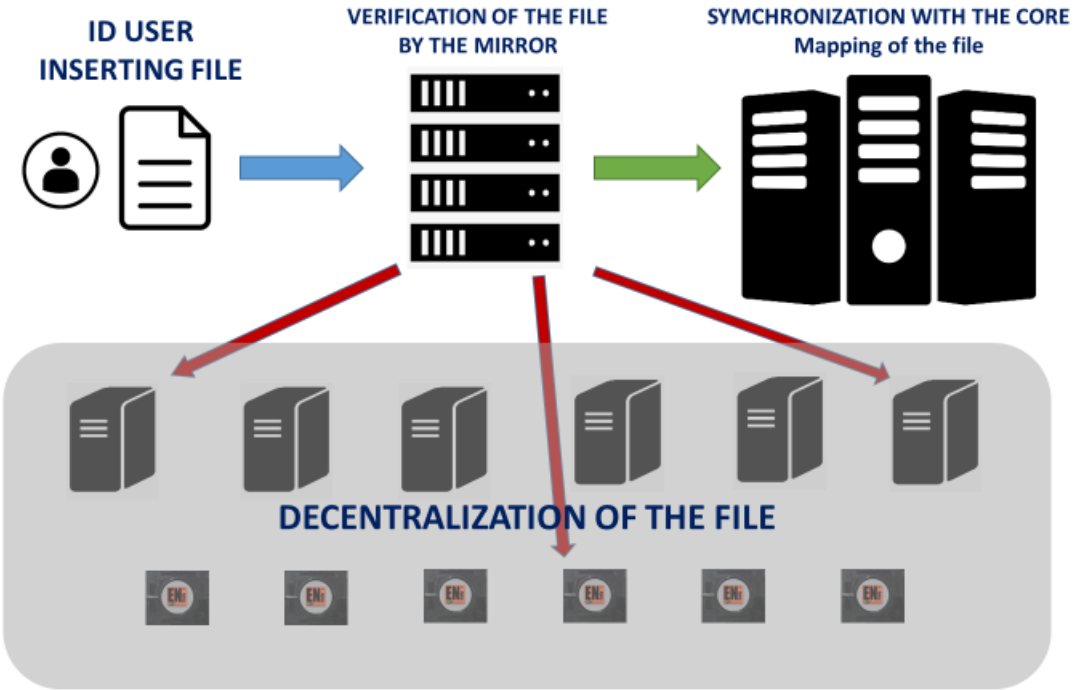


Fig.2

In the event that a public *server* is breached, such as for a *hacker* attack or a malfunction, the *blockchain* protocol has within it a system of recognition and exclusion of the breached *server* (*recovery* protocol).

4.15 - File request flow

When a user requests a *file* through the query of a *QR Code*, a verification protocol intervenes that uses *the file mapping* and the return tables of the *server* storage. This allows the *blockchain*, through the properties and attributes of the *file*, to show the veracity of the *requested file* in view.

4.16 - QR Code

The product of *blockchain* is the value given to digital data. Graphically and physically, the codes attributable to the digital data recorded in *the blockchain* translate into *QR Codes*, readable by *the scanners* of each *device*, whether they are *PCs* or *smartphones*. The information entered in the *QR Code* and recorded in *the blockchain*, travels together with the product or good: a protection against counterfeiting, cloning and theft.

It is important to understand that the enterprise *blockchain* is able to provide a *QR Code* that acts as a "container". Anyone who wants to safeguard their good or product, contains in the *QR Code* all the information and everything that describes its originality: the raw materials used, the processing, the production chain, the quality certifications, the health concessions, the distribution chain, videos, photos, documents, details and everything that makes that product unique.

The characteristic of the *QR Code* generated by the corporate *blockchain* is to be DYNAMIC. This feature allows you to update the content of the QR Code, even in the changes of ownership, in the possible insertion of new documentation and in the supply chain steps, without deleting what has been previously registered. In fact, *blockchain* technology is *append only*: you can only add new information, without deleting those present.

4.17 - Uses of corporate blockchain

Currently the corporate *blockchain* is used in different platforms, dedicated to multiple areas.

Three of the main applications will be described below.

a. **Eco-bonus Blockchain**, visible on https://www.ecobonusblockchain.it/
   It is a *blockchain* management system for the practices related to the facilitations on building interventions, provided for by the Relaunch Decree

issued by the Italian Government in 2020 (Law no. 34 of 19 May 2020). The *Eco-bonus Blockchain* platform interfaces construction companies or *General Contractors* with banks and other insurance/ financial entities that purchase the tax credit. Through certain COMPUTER areas of work, which represent the stages of construction of a construction site (Data loading, SAL1, SAL2, end of work), the operator registered on the platform (which is usually the technician designated by the client of the works) makes the insertion of the documentation and receives the results in real time. To support the operator, the program automatically suggests the necessary documentation for each individual building intervention, through the provision of *check lists* of documents, periodically updated by the buyers themselves. The goal is to deliver to the buyers, generally insurance companies and banking institutions, a certificate relating to the documentation necessary for the procedure required by law, with the guarantee of the completeness and immutability of this documentation.

b. **Blockchain Art**, visible on https://arteblockchain.it/

This platform is aimed at the world of artists, from painters to musicians, passing through gallery owners and collectors and is divided into two sections: figurative art and intellectual art.

The first section is dedicated to tangible, two-dimensional and three-dimensional works (paintings, sculptures, valuables, etc.). Through simple steps, the artist, in complete autonomy, records his works in *blockchain*, describing their techniques, materials and information. With the certificate that will be affixed to the work, the conditions are created to ensure the authorship and ownership of the same. In case of sale or assignment free of charge, the new owner will be transcribed and updated in the certificate.

The section dedicated to intellectual art (writings, music, choreographies, screenplays, etc.) uses the blockchain storage *cloud (MyCloud-MailServer),* with the possibility of generating the relative certificate. Thanks to the time stamp of the work recorded in *blockchain*, the artist acquires a safeguard of the work, a sort of copyright. This mode can preserve the work from plagiarism or non-original copies of the same.

c. **Blockchain products**, visible on https://prodottiblockchain.it/wordpress/

The *Blockchain* Products platform is structured in two sections, which fulfill two different needs: Certify Products and Certify Documents.

1. ***Certify products***

In the Certify products section it is possible to register in *blockchain* all the products that provide for a possible transfer of ownership between several subjects, such as in a distribution chain (*supply chain*), beyond their origin, originality and technical characteristics.

2. ***Certify documents***

The "Documents" section, represented by a *blockchain* storage and certification *cloud*, is intended for categories of products, goods and services that cannot be transferred between subjects, as these are often intangible documents and *files*.

This platform is dedicated to the commercial and productive world. In fact, it is suitable for the creation of certificates to be affixed on individual products or on entire batches, thanks to the function of multiple certification. A *QR Code* is affixed to each product, identified with a random and non-sequential alphanumeric number, which tells the originality of the product, the raw material used, the production and distribution chain, the transfer of sale from the manufacturer to the distributor and the identification of each individual product attributable to the reference batch.
This mode represents the protection of the product and the uniqueness of the same. The consumer can independently verify the goodness of the product, by scanning the *QR Code* on the label.

The platforms described and also others under construction, are programmed by the Engineering Department of ***EN Group s.r.o.***, in collaboration with the sales staff who study the needs of the market to which we approach. An additional team subjects the platforms to *stress tests*, in order to deliver to the end customer a working and efficient tool.

4.18 - THE SCALABILITY AND PRIORITY WEIGHT OF THE ENTERPRISE BLOCKCHAIN

Scalability is the ability of a *blockchain* to handle an increasing number of transactions without performance being affected.

In the *blockchain* of ***EN Group s.r.o.*** the first aspect of scalability concerns the execution of *smart contracts* that are created on different domains, such as our ***Ecobonus Blockchain*** platforms, ***Art Blockchain*** and ***Blockchain Products***. In this case, the new *smart contracts* integrate the transaction requests provided by the algorithm. As in a parallel connection of an electrical circuit of light bulbs, so the *smart contrac*t adapt to the protocol quickly and instantly, without creating problems inherent in the performance of the *blockchain*.

The concept of priority is linked to that of scalability. In fact, the algorithm instantly recognizes the weight of the transaction, also identifying the parameter of maximum quantity solvable.

A computer *buffer* recognizes the weight of priority, classifying it by urgency of execution (example: a monetary transaction represents an urgency compared to a certification of a good or service).

CHAPTER 5 – THE VISION

The socio-political events of recent years and the long-standing environmental and energy issues have highlighted even more the criticality of energy production, with the consequent increase in the price of production and sale, as well as the questioning of the current and system of globalization.

All this has led to the concrete need on the part of individual nations to seek independence for energy supply.

In light of the above, with the creation of *Energies Services Companies*, the company aims to build renewable energy plants with the help of its blockchain, which will be used to track energy production, related receipts, payments and tax documents.

The *vision* is focused on the internationalization of the project and the consequent growth of the *community*, understood as a public community of validators, decentralized, users of the services/goods offered by partner companies, energy producers and in the immediate future also users of the same.

The expansion of the *community* passes through the transformation of the web radio into a ***PIMI*** (***Integrated International Multimedia Platform***). For the production and management of the sale of renewable energy, the consequent transformation of the *blockchain* from *proof of stake* and *proof of listening*, into a *full green blockchain proof of listening* and *proof of energy* is necessary. The proposal in question is projected to contribute to the production of renewable energy, the sale of the same and the creation of a *blockchain* and a *full green mining*. All members of the Community, through the tokenization and purchase of the NFT of the individual energy production plants, will be entitled to an *award* for the validation and decentralization of data.

The entire energy of the plant, produced and sold, will be divided between the company and the owners of NFT representative of the plants in the manner described in the "*Full Green Mining* Summary Table" figure 4 on page 37.

The company, as owner of the plants, will have the burden of designing, realizing, maintaining and insuring the same for the entire life cycle.

5.1 - Sustainability of the CWA coin

The company, with a percentage of the proceeds of the sale of energy, buys the coins in the *marketplace*. This percentage is equal to the *award* that represents the *mining* share due to the eligible *miners*, according to the portions of NFT owned by them.

The *blockchain* will regulate the sale of NFTs, the control of kW/h production (visible in the *back office* panel of *miners*) and the management of the sale of renewable energy, recording all payments and receipts, including the attribution of *awards* to *miners* and accounting documents related to the sale of energy.

The coins produced monthly by *the miners* will be conveyed into a company *wallet*, while, through the procedure described, the equivalent quantity of coins will be assigned to the *miners* themselves, thus participating in the increase in the value of the coin in the *marketplace*.

CHAPTER 6 – THE MISSION

EN Group s.r.o. will entrust **Coin Watt S.A. (CH)** the expansion of the internationalization of the *Community* of users, web radio listeners, validators, decentralized and *miners*, as well as the expansion of the number of productive and commercial activities belonging to the ecosystem.

It will also entrust the maintenance of a *low energy blockchain* and its consequent transformation into a *full green blockchain*. Everything will be regulated by an **ENC22** *smart contract*, at very favorable conditions, also given the almost total homogeneity of the company companies. These objectives will pass through the metamorphosis and integration of certain fundamental aspects:

1. From the *blockchain* of ***EN Group s.r.o.*** *Low Energy model*, to a *blockchain Low Energy* ***Fully Green.***
2. Transformation of *blazon web radio* into an ***Integrated International Multimedia Platform (P.I.M.I.)***.
3. Production of renewable electricity of the plants, carried out in collaboration between the company and the *Community* with the help of the company *blockchain*, which will see a *Mining* proportionate to the amount of *green* energy produced and not consumed, with the relative expansion of the *community* for the decentralization of digital data.
4. *User* communities for the production of renewable energy;
5. *Community* of users for the purchase of renewable energy produced;
6. Active participation of *community* members in corporate *governance*, in the formulation of proposals and in the evaluation of business conduct, through regulations that will be issued after the start-up phase of the activity;
7. The ***MyCloud-MailServer*** platform, to which the *community* of subjects who will equip themselves with a digital booklet for any motor vehicle and/or digital medical record, certified and gradually updated in *blockchain*, summarized in a dynamic *QR code*, will join. In the same platform there will be insurance and service companies to people, which will offer products and services with discounts to the *community* described above in addition to the increase in activities belonging to the ***Spend Community***;

8. ***Eco Family System Platform*** with relative sale of NFT of white certificates, concerning quantities of CO2 saved;
9. ***Platform of Games***, with games that will take place in *blockchain* at the closing of each block and that will also take place with **CWA Coin**;
10. Integration of ***NFT art*** platforms and Product ***Certification;***
11. Extension of the Spend Community Platform.

In the following chapters we will discuss the aforementioned creations and transformations.

CHAPTER 7 - RENEWABLE ENERGY PRODUCTION WITH BLOCKCHAIN AND FULL GREEN MINING

With the creation of *branches* in various countries, we aim to build plants to produce renewable energy, with the consequent sale on the market of the same. In this way, the company intends to build plants for the production of renewable energy and create NFT for each plant planned, dividing it every MW of plant into *millions of watts*, which will be put up for sale.

Those who, in addition to the NFT, will also purchase corporate *servers* dedicated to the decentralization of data, will receive a higher *award*, always proportionate to the amount of NFT owned, representative of the relative production and sale of renewable energy.

In this way the *mining* will be proportional to the energy produced and not to that consumed.

The company will pay the *miners* an *award*, equivalent to the *mining* quota, through its *coin* purchased on the *marketplace*. The *percentages of awards* will vary according to the amount and mode of *full green mining*:

- owners of NFT representative of the plants and company *hardware* that hold a share equal to or greater than 4 kW of power will be demoted a percentage of the proceeds during the 30 years of operation of the plant, in the manner described in "*Full Green Mining* Summary Table" figure 4 on page 37. The

company *hardware* connects to the radio *streaming* automatically, when it is activated, also performing the function of *proof of listening*.

- owners of NFT representative of plants that hold a share of less than 4 kW and mine with their own devices, will be demoted from 34% to 38% of the proceeds from the sale of energy produced during the 30 years of operation of the plant. This percentage is variable according to the *proof of listening* action carried out by the *miners* on a daily basis (see "Summary table Radio points for *Mining Full Green*" fig. 5 p. 37). In case of failure *to proof of listening* (failure to listen to the company *web* radio and / or *on-demand content, live and streaming* of the ***P.I.M.I.***), 34% will be recognized.

The award will be paid monthly based on the kw/h products that will be visible daily in the back *office* of the *miner*, while the mined coins will go to the company *wallet*, in which only those equivalent to the total energy produced will remain, while on the rest of the coins of the block burning will take place.

The remaining percentage of energy produced and sold will be retained by the company as the financier and owner of the projects and plants, as well as responsible for the maintenance and repair of any faults In addition, the related insurance costs and the maintenance costs of the same will be accepted.

Each subscription will be combined with a Wallet. If the individual Wallet has an NFT quantity greater than 20 Kw quota, the subscription will have a maximum cost of € 180.

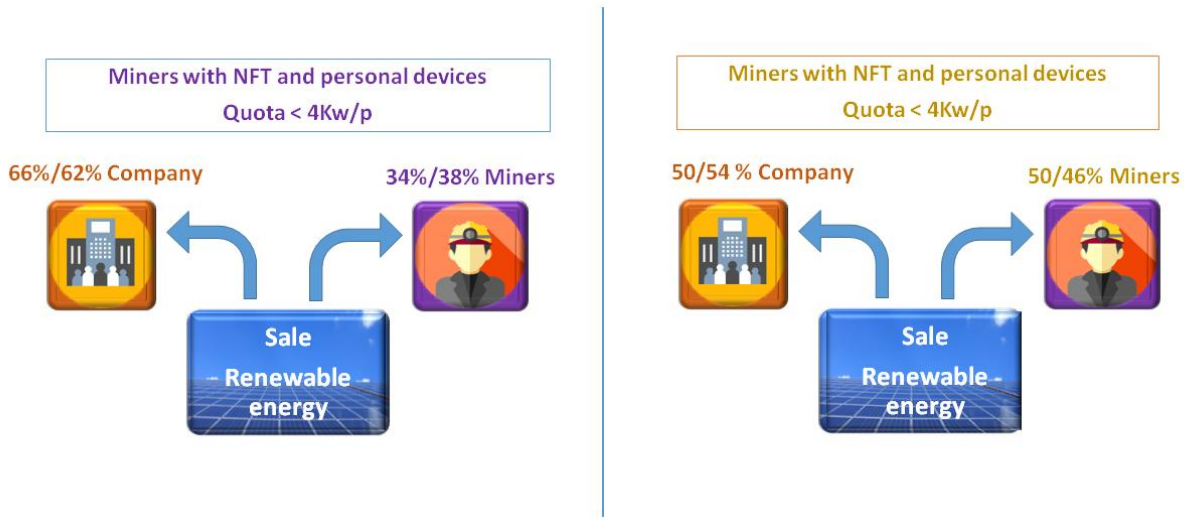


Fig.3

After the first years of plant implementation, the company will sell the energy produced not only to national operators but also to end users, effectively becoming an energy supplier and also creating charging stations for electric cars.

This mechanism will allow to generate a *mining* linked to the production and sale of electricity, indeed it will represent it in full. It will not be greater than the computing power of the *servers*, but it will be as much as the production of renewable energy will be greater. In this way the sums initially used by *the miners* will have an economic return, represented by the energy produced in the 30 years in addition to the enhancement of the *coin*.

The quotation of the *coin* is among other things supported by the described mode. The entire daily energy production of each individual plant will be defined and recorded in *blockchain*.

All fiat receipts received by the company will be regularly accounted for and recorded in *blockchain*, together with the related tax document.

The *company coin* awards, given to the owners of the NFT portions, will also be recorded in *blockchain*. In addition, the owners of the portions of NFT will be able to sell the same, at the desired price, using the dedicated platform for the sale of NFT between individuals. New owners of NFT over 4 kW, will have to purchase servers for decentralization, in order to be able to take over the contract of the transferor.

Any member of the *community will* also be given the opportunity to report renewable plants that can be built. The reporters, in case of success of the proposal, will be recognized a *revenue*.

The *servers* and the related *software*, produced and built by the company department in charge, will have a decentralization space used by the company for shared digital data.

Example of full green mining

Each *server* must be purchased starting from an NFT of minimum 4 kW and can be expanded with 4 *upgrades* up to an increase of another 16 kW, for a maximum total of 20 kW assignable to each *server*.

This means that one Mw/P will provide a minimum of 50 *servers* and a maximum of 200 *total upgrades*.

The revenue of the Kw/h produced and sold of each individual plant will be divided, as indicated below, between the company and the owners of the relative NFT. The NFT of the plant will be divided into 20,000 units of 50 w/P each.

For quantities of less than 4 kW purchased, *awards* of between 32% and 38% of the energy produced will be received compared to the quantities of NFT purchased, undermining with their own *devices* and connecting to the *blockchain* with *a link* sent by the company, as indicated in the "Summary table Radio points for *Full Green Mining*" figure 5 on p. 37.

For quantities equal to or greater than 4 kW purchased you will be entitled to an *award* equal to a percentage indicated in the "*Mining Full Green* Summary Table" figure 4 on page 37, concerning the relative NFT owned.

This *award* is superior because the owners of the *servers* will participate not only in *mining* but also in the decentralization of data.

Mining Full Green Summary Table

NFT Plants	Server	Upgrade	NFT cost	Mining/Award
50 W	Unsolicited	Unsolicited	206,00 €	34%/38%
200 W	Unsolicited	Unsolicited	604,00 €	34%/38%
500 W	Unsolicited	Unsolicited	999,00 €	34%/38%
1 kW	Unsolicited	Unsolicited	1.972,00 €	34%/38%
2 kW	Unsolicited	Unsolicited	3.856,00 €	34%/38%
3 kW	Unsolicited	Unsolicited	5.655,00 €	34%/38%
4 kW	1.500 €	Unsolicited	8.870,00 €	46%
8 kW	1.500 €	600 €	15.462,00 €	47%
12 kW	1.500 €	1.200 €	20.771,00 €	48%
16 kW	1.500 €	1.800 €	24.707,00 €	49%
20 kW	1.500 €	2.400 €	27.301,00 €	50%

Fig.4

Proof of listening

(miners with NFT from 100 watts to 3.999 watts)

01 Link to corporate web radio through the back office/web app/P.I.M.I.

02 Award for daily Mining recognized and calculated on the radio points scored

03 With "0" radio points the award recognized is 34%

Radio points for daily Full Green Mining- Miners with NFT from 100 Watts to 3.999 Watts

Total Hours of Daily Listening	Radio Points	% award recognized
0 hours	0	34 %
From $2^h 00^m$ to $4^h 59^m$	1	35 %
From $5^h 00^m$ to $9^h 59^m$	2	36 %
From $10^h 00^m$ to $14^h 59^m$	3	37 %
From $15^h 00^m$ to $24^h 00^m$	4	38 %

Fig.5

CHAPTER 8 – INTEGRATED INTERNATIONAL MULTIMEDIA PLATFORM (P.I.M.I.)

The ***Web Radio Blazon*** will be transformed into a multimedia platform, which will be offered in *streaming* and *downloading* and translated into multiple languages (English, Spanish, German, French, Italian, Slovak and Czech), with musical content, journalistic information, culture, sports, social issues, economy, etc. The same will make use of subscribers and will allow users to create *podcasts* and artistic productions (*e-books*, songs, music, texts, poems, unpublished) that can be validated in *blockchain* to ensure the proposer the copyright in a digital environment. The same artistic productions will be submitted to the opinion of experts in the various sectors, creating indications for a commercialization of the works. The subscription for listening to the multimedia platform and all the activities allowed in it can be subscribed through the use of the company *coin* and, in the I.C.O. phase, through the use of *tokens,* in the amount of € 180 per year for each member of the *community*. As a further incentive element to use *the tokens* to be part of the *community* and create a place of true active participation, those who will use *the tokens* for the subscription in the initial phase (as soon as the achievement of the sum indicated as minimum cap will be communicated) will have the opportunity to enter the *beta* versions progressively put online and to give their consultative / participatory contribution in a totally free form as the paid subscription will start only from the date of 30/06/2023.

Our **P.I.M.I**. represents an innovative structure compared to the offers of *competitors*, because:

- it will expand, attracting a *worldwide community*, the audience of listeners who, through the ***proof of listening*,** will participate in the validation of the data;
- it will integrate the needs of **metaphysical** man to return to the centrality of technological functions and the governance of procedures, increasingly delegated to **the robotic** man, drawing energy and synergy from the strength of the group and the contribution of each individual participant.
- in a single platform will be created areas for listening to protected and non-protected music, sections of textual information and short daily news, *podcasts*, *blogs*, thematic *chatting rooms*, forums, opinion polls, satisfaction checks on individual themes of implementation of the

platform, educational sections by expert teachers and professionals. Not to neglect the possibilities that will be given to the members of the *community* interested in voting for their representatives and delegates who will participate at all levels in the sharing of managerial decisions and project developments.

- The development phases of **P.I.M.I.** will be appropriately traced in the *Road Map*, initially providing for the creation of two operational offices in Slovakia and Italy. To these will be added six more to cover North America, Central and South America, Africa, Asia, Australia and New Zealand.
- The Slovak office will take care of information news in the three national languages (English, German, Italian) and *pricing* / subscription policies for individuals and companies. The Slovak office will also have journalists in the editorial office who will write *news* for Slovakia, the Czech Rep.ca, Germany and Austria. It will also have the coordinating role on the *setting up* of the additional locations. The Italian office will also take care of the technical coordination, the implementation of the platform and relations with the community.

The model at the base of the **P.I.M.I.,** defined as innovative, will be based on these main pillars:

- absence of advertising in listening to music, interrupted only by information bulletins;
- users will be able to access and use the platform in different ways, starting from some free uses, to others with the possibility of access to discounts and to others still for a total fee. Those who contribute, providing multimedia content useful to the platform, will be able to receive *discounted vouchers* for the payment of the services offered. The regulation of the access methods will be drawn up after the start-up phase of the company project.
- editorial offices of journalists who will collect press reports from each operational headquarters (ANSA, AGI, REUTERS, FRANCE PRESS) integrating them with press releases received directly from the most important companies, bodies, associations, of the countries treated where the stations will be accredited.

- contributions of the members of the *community*, in order to both *news* and news and issues of in-depth analysis and dissemination that will be rewarded with *tokens*, *vouchers* to access specific services, subscription formulas and more.
- the commitment not to use the information for commercial purposes of the *shareholders or managers* of the company to whom a written commitment issued for this purpose will be requested
- the commitment to produce information free from partisan interests, not subject to contributions or donations that could distort its judgment and independence.
- the limitation to a minimum of text control formulas - in compliance with the deontological rules of journalists - and at the same time the mandatory insertion, where it is not possible to verify the contents, of alert messages on the same.
- Unprotected music, generally self-produced by emerging artists who have difficulty getting the limelight, will be promoted and disseminated for free and in the most deserving cases will be commented on by experts in the field and proposed on our platforms (*marketplaces – NFT*) to be purchased.
- The same will happen for the *self-published e-books* that will be commented on in our platform and marketed in our marketplaces with extremely competitive *pricing* formulas and interfacing in an estimated period of twelve months from the beginning of the project (DAY-zero for the launch of the **P.I.M.I.**) the works for sale with a community cautiously estimated at about 400,000 members participating within the first 12 months of the launch of the initiative.
- Finally, a monthly *newsletter* will be drawn up in English and a sort of database of e-mail addresses will be created (obviously on an exclusively voluntary basis) and certified by us in *blockchain* to optimize contacts between community members (the latter service described after 1 month of trial will be paid).

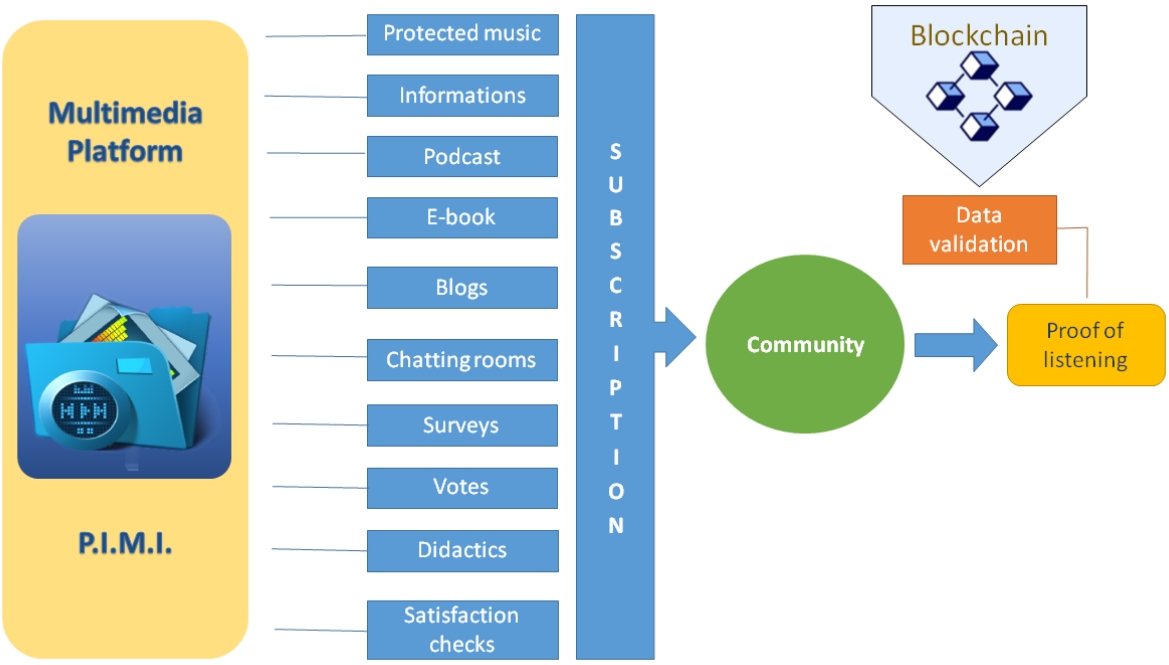


Fig.6

Our Platform will be registered in the States from which the various operational offices will operate, as an information organ and will then print a sheet that will report the most significant daily news to receive the legal protections attributed to the newspapers and enjoy possible national and international funds intended for them.

STOP TO THE SPOT and **ZERO FREQUENCY ADVERTISING** are just the first *slogans* that will accompany our P.I.M.I.!

CHAPTER 9 - MYCLOUD-MAILSERVER PLATFORM

The ***MyCloud-MailServer*** is a blockchain storage tool, which allows through the certification of files, to carry out the decentralization of the same. The certificate created, in the form of *a QR Code*, is dynamic, so you can add additional sub-

certificates containing files of all kinds (photographs, videos, documents). Thanks to these characteristics, the ***MyCloud-MailServer*** lends itself to particular dynamic and updatable certification operations: certification of personal identity, digital medical record and digital booklet of motor vehicles.

a. Certification of personal identity

Once the certificate of personal identity has been created, each user can attach to it a series of supporting documents: identity card, passport, health-card, qualifications, training certificates, chamber of commerce, registration in registers, *curricula vitae*, photographs, etc.

The certificate will be created after ascertaining the identity of the subject, through the connection in the platform with the verification portals of the institutional sites of the ministries of the interior in the countries to which the user belongs.

b. Digital medical record

After the *registration in blockchain* of personal identity, the platform allows you to create your own digital medical record: biological data, clinical analysis, health history, adopted care, hospitalizations, surgical interventions, etc. The digital medical record will be of vital importance for all subjects, but in particular for those who need to tell the course of a previous, chronic or disabling disease. It will be very easy to enclose all the documentation in a *QR Code* that can be shown in case of hospitalization or specialist visit, but also sent by email to centers of excellence located in other countries, to get an expert opinion specialized in a particular pathology (*second opinion*). Finally, it will be convenient to have it easily in tow for any move for work or travel reasons.

c. Digital motor vehicle booklet

The platform will allow you to create the digital booklet of motor vehicles, recording in *blockchain* first the personal identity and then the data relating to everything related to the vehicles: administrative documents, ordinary and extraordinary maintenance, coupons, monthly mileage, system utilities with periodic alerts, etc. Within the platform you will find particular work areas where it

will be possible to update the various technical interventions: the characteristics of the spare parts, the lubricants used, the types of tires replaced, etc. will be reported. These areas can be updated both by the user himself and by the professional in charge (mechanic, coachbuilder, tire dealer, electrician, etc.), who will in turn be registered and user of the platform.

d. Mail Server

The *mail* service, integrated into the ***MyCloud-MailServer***, allows the various users of the platform to exchange correspondence in *blockchain*, following security and certification canons. In fact, the service certifies the IP address of the user who sends the *email*, making it impossible to anonymize the sending and the intrusion into the system of destabilizing entities. In addition to sending a conversation or *files*, with the ***Mail Server*** you can forward the certificates of the *files* registered in the company *blockchain*, also certifying the information of the connection IP, that is, sending.

e. Write&Send (WhatsApp aziendale)

The ***Write&Send*** messaging service will be designed to allow its widespread use to all members of the *Community*. It will consist of a fast and practical chat, usable via *smartphone*, *PC* and *tablet*, to exchange messages and various types of *files* (documents, photos, videos, etc.) in a secure and unequivocal way, since it will be managed and recorded in *blockchain*.

f. Advantages

All users of the *MyCloud-MailServer* platform will be able to access dedicated offers for the subscription of insurance, welfare, pension and pharmaceutical contracts. These are services with discounts offered by the member companies and that will join the ecosystem, which in turn will certify their products or services, to propose them to the *Community* (insurance policies, pharmaceutical products, food supplements, by way of example and not exhaustive).

The creation of the digital motor vehicle booklet and the digital health record cost an annual fee. The registration to the platform of the companies that will offer the aforementioned discounts will be free, while the certification of their products in *blockchain* will be paid.

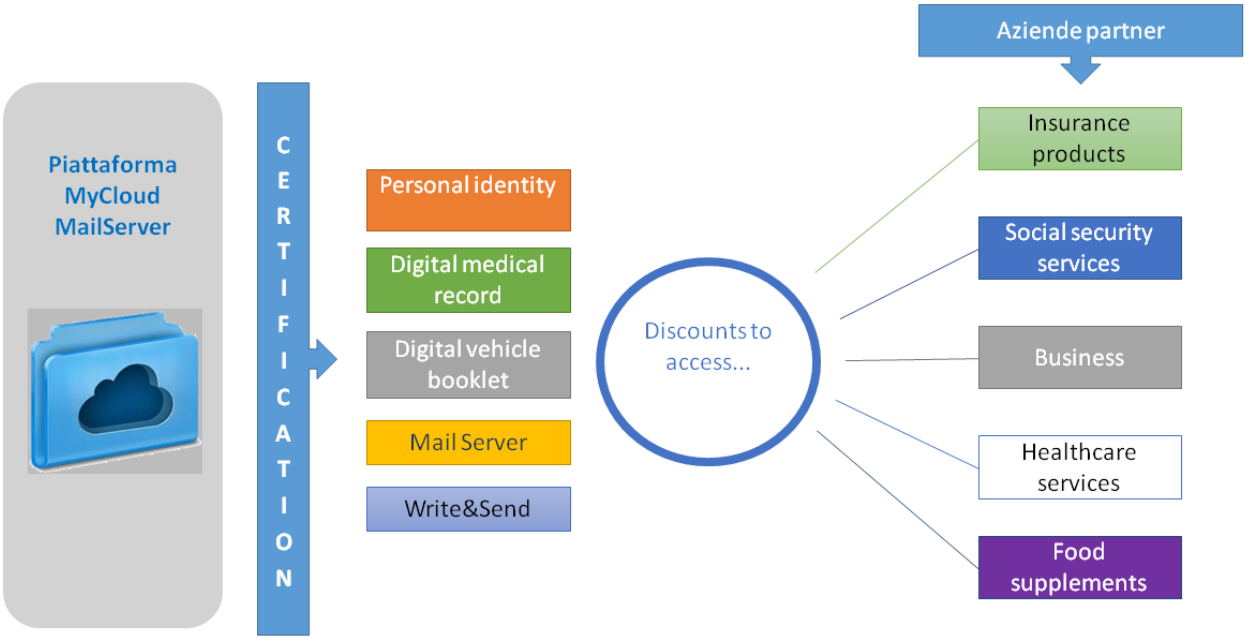


Fig.7

Chapter 10 – Flat Integration Form NFT Art Marketplace

To complement the existing ***platform of Art Blockchain***, the section dedicated to the NFT of artists of the *Community*, called ***NFT Art***, will be created.

Each user registered on the platform will be able to create and certify their digital work and decide for the possible sale of the same. In fact, the platform will provide for direct or auction mechanisms. In addition, a gallery will be made available to NFT users to exhibit digital works, generating comparison and interest among visitors, who will be the eventual buyers of the NFT present in it.

CHAPTER 11 – FLAT INTEGRATION FORM CERTIFICATION PRODUCTS

Companies that want to register in *Blockchain* the products and services they offer, will have a platform that will be developed on the already existing *Blockchain* Products. The new version, which will be called the ***Product Certification Platform***, will allow companies registered in the *Community* to purchase certification packages in *blockchain* with the **CWA** *coin*. For the methods and operations in this platform, please refer to the aforementioned ***Blockchain Products***.

CHAPTER 12 – ECO FAMILY SYSTEM PLATFORM

The ***Eco Family System Platform*** is a tool dedicated to implementing attention and care for the environment, in perfect harmony with the eco-sustainable aspect of green energy production.

This platform will give the *Community* of participants an economic and ethical advantage, rewarding the environmentally friendly behavior of each individual, taken individually and with their family. Here are the behaviors considered virtuous and rewarding:

- Who buys company NFT equivalent to the white certificates relating to each renewable energy plant for the quantities of CO2 saved
- Who produces with us renewable energy from 1 to n Kw
- Who produces at home or in their company renewable energy from 1 to n Kw
- Who chooses renewable energy managers/suppliers
- Who owns a hybrid car
- Who owns an electric car
- Who owns scooters
- Who demonstrates in a documentary manner the correct recycling of waste
- Who proves to plant 1 to n plants in the land of property
- Those who demonstrate energy efficiency works in their homes / companies
- Who demonstrates the use of recyclable containers

- Who proves to buy vintage clothing
- Who proves to use the train every day
- Who proves to have digital booklets of motor vehicles
- Who proves to have digital medical records
- Who proves the purchase of a bicycle

To access the platform in question, you must subscribe to the *Community* in any capacity and certify your personal identity. All the behaviors indicated above, which will generate scores, must be certified in *blockchain* and at the end of each year a ranking will be drawn up that will see the first 10 classified awarded in **CWA** *coin*, during an international event dedicated to eco-sustainable behavior. The results of the ranking will also be communicated for many days on the **P.I.M.I. platform.**

As for the white CO2 certificates, which will be tokenized in company NFTs, a platform will be created to sell NFT of white certificates concerning the amount of CO2 saved with the installed plants.

The proceeds will be used either to plant private areas for reforestation. CO2 saving certificates will be issued for each individual system installed and for the entire life cycle of the same.

With the revenues of the ***Eco Family System*** platform (registrations, purchase of NFT white certificates, etc.), the company will plant areas intended for reforestation, tracing in *blockchain* the revenues, the choice of places, the design, the progress of the works and the flow of the sums used, in total transparency.

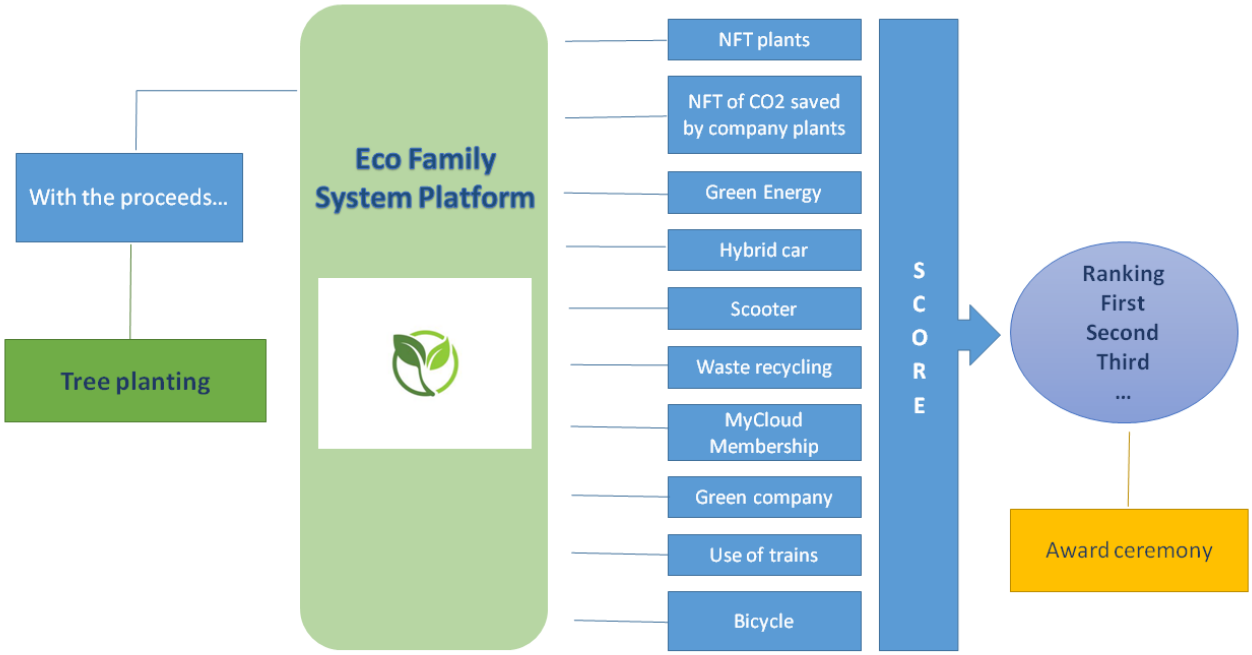


Fig.8

CHAPTER 13 - PLATFORM OF GAMES IN BLOCKCHAIN

With the ***Platform of Games*** every user will be able to play and interact with the *blockchain*, which will itself be the protagonist of every single game. In fact, all the games that will be proposed, will be regulated by the same *blockchain* at the time of issuance of the blocks. So the *blockchain* will not only register participants and winners, but will itself be the soul of the game. Below are some games with their own rules and prizes.

A - Winning Listeners Draw

1. reserved for all listeners equipped with ***Speed Box Server***
2. draw once a day (random time)

Through certified listening, the *blockchain* protocol is able to identify the individual listener and his connection ip. By applying an algorithm present in the protocol, the system will be able to identify a winning listener randomly.

The winning amount will be equal to 10% of the *mining* value made since the last draw performed by a *miner* registered in the system, on the last block paid. The amount may vary from a portion of the coin up to the maximum extractable value of the block (10,000 coins).

B – Instant Mining

1. reserved for ***Speed Box Server*** owners

The player will be able to purchase additional *bytes* through the **CWA coin** in the dedicated platform, which will be added to the computing power of their *server*.

The total computing power will compete with the other *miners* players, who in turn will have their own specific powers. This will bring an absolute ranking of power available from individual players, not visible at the time of the bet. The player can bet all the available power or make a partial one.

The computing power can be expressed with more *servers* purchased, but the *bytes* of the *servers* will not be part of the prize pool, but will only be power made available to win the prize pool.

1MB= 1 euro

1 ***Speed Box Server***: to participate in INSTANT MINING by purchasing bytes.

Owners of two or more ***Speed Box Servers*** (64Gb) will be applied 500 Kb = 0.5 Mb of extra computing power (see table below), for each ***Speed Box Server***, which increases the chances of winning for the same *bytes* purchased, for all the blocks in which they participate, unlike the bytes purchased and consumed that are valid on the single bet.

Price	Archive Power	Power of advantage
550 euro + VAT	64Gb	0,5 Mb
800 euro + VAT	128 Gb	1,0 Mb

1200 euro + VAT	256 Gb	1,5 Mb
2000 euro + VAT	512 Gb	2,0 Mb

Minimum bet: 2Mb

The lists of winners and their committed powers will be made visible at the end of the block.

C – BINGO MINING

1 – reserved for ***Speed Box Server*** owners

To participate you must first purchase folders, organized in tables, containing specific themed figures.

Bingos can be simultaneous and diversified by card amounts.

Bingo 1 card 0.2Mb: 20 cents /euro

Bingo 2 folder 0.5Mb: 50 cents /euro

Bingo 3 folder 1Mb: 1 euro

Bingo 4 folder 2Mb: 2 euro

Bingo 5 folder 5Mb: 5 euro

You win with 2 numbers in line, 3 numbers in line, 4 numbers in line, 5 numbers in line and Bingo. Surprise prizes will also be awarded. The extraction system is linked to a hexadecimal numerical table corresponding to the photos present in the individual Bingo. Each transaction that is certified in the *blockchain* automatically generates a variable-based alphanumeric number that uniquely distinguishes it. This data is taken over by the system's algorithm to extract a hexadecimal number corresponding to the photo. From each block of the protocol, the corresponding transaction encodings are then automatically examined, from a minimum of ... to a maximum of 16, which will correspond to the n output photos.

A number n of Simultaneous Bingos can be generated.

CHAPTER 14 – THE COMMUNITY

The *Community* is the participatory community where the technology of our blockchain spreads and develops, as regards:

- the validation of the digital data to be recorded, by accessing the **P.I.M.I.** for listening to the *company's web* radio;
- the decentralization of the recorded digital data and the *mining* of one's own *coin*.

Joining the *Community* takes place in various ways:

a. with the purchase of *tokens* during the ICO phase;
b. with the purchase of NFT and ***Speed Box Server*** companies;
c. with the subscription of the monthly / annual subscription for the **P.I.M.I. platform.** (initially set at € 180.00 per year per single member for the *full pack radio* version);
d. with the subscription of the ***MyCloud-MailServer*** service;
e. with participation in the ***Platform of Games***;
f. with future electricity purchase contracts;
g. with the purchase and use of the *coin* in the activities participating in the circuit.

A fundamental element for relationships within the *Community* is the ***Speed Box Server***, through which it is possible, among the main functions:

a. Listen to the *Web Radio and take advantage of the offers in the* **P.I.M.I.** (*news* in text form, multilingual news, music, podcasts, *forums* area, *chat* area, tutorials area, poll-proposals-elections area);
b. Miner;
c. Decentralize;
d. Validate the data;
e. Participate in opinion polls, promoted by the company;
f. Participate in votes concerning some aspects of corporate *governance*, for which a specific regulation will be issued;
g. Vote on textual and musical multimedia content, for events that will be realized in the **P.I.M.I.**;
h. Vote each year to elect a member of the board of directors, chosen from among the members of the *Community* who want to run for the role;
i. Participate in the games included in the ***Platform of Games***.

j. contribute to satisfaction checks on individual issues of implementation of the platform, didactic sections by expert teachers and professionals;
k. Interested *community* members will be given the opportunity to vote for their representatives and delegates, who will participate at all levels in sharing managerial decisions and project developments.

Each of the members of the *Community* will have, in addition to a registration ID, a *personal wallet*.

The *Community* will also be formed by manufacturing, commercial and service providers, which will also have a registration ID and a *business wallet*. Their membership in the *Community* will be free, but they will offer all members services and products with certain discounts. The same companies will certify in the corporate blockchain their products, goods and services. All purchases described above will take place with the exchange of the company *coin*.

CHAPTER 15 – TOKENOMICS

15.1 DISTRIBUTION OF TOKENS

Symbol	**CWA**
Maximum Supply	**1.000.000.000 CWA**
Type	ENC22
Price	1 CWA = 0,10 €
Pre-sale Period	03/10/2022 – 30/11/2022 (reserved for EN Group s.r.o customers.)
Sale Period	01/12/2022 – 31/03/2023
Accepted Currencies	USDT, USDC, USD, EUR, GBP, CHF, YEN
Minimum Cap	3.000.000 EUR (30.000.000 CWA)

LISTING OF THE COIN: by April 30, 2023

The initial generation of CWA Coin and the creation of the necessary *wallets* is programmed by a *smart contract* running on *blockchain* ***EN Group s.r.o.*** and will be distributed as follows:

- *Pre-sale period* from 03/10/2022 to 30/11/2022: who among the customers of ***EN Group s.r.o.*** will make the purchase of *tokens* will be entitled to a 12% discount on purchases of NFT, products and business services;
- *Sale period:*
    a. From 01/12/2022 to 31/01/2023 those who make the purchase of *tokens* will be entitled to a 12% discount on purchases of NFT, products and business services;
    b. From 01/02/2023 to 28/02/2023 those who make the purchase of *tokens* will be entitled to an 8% discount on purchases of NFT, products and business services;
    c. From 01/03/2023 to 31/03/2023 those who make the purchase of *tokens* will be entitled to a 4% discount on purchases of NFT, products and business services;

• 80% of the tokens (800,000,000 CWA = 80M euros) will be assigned to the buyers of *Pre-sale period* e *Sale period* and will be transferable at the end of the same;

• 0.2% of *the tokens* (2,000,000 CWA = 200,000 euros) will be assigned to the team and will be accrued after 24 months from the date of *listing*, at the rate of 5% max per month;

• 2% of the tokens (20,000,000 of CWA = 2,000,000 euros) will be used by the company to carry out airdrop actions;

• the 17,8 % dei *tokens* (198.000.000 di CWA) will be allocated to the company and will be retained as a provision for future expenses, *partnerships*, *business* development, *marketing* and strategic acquisitions (Fig. 8).

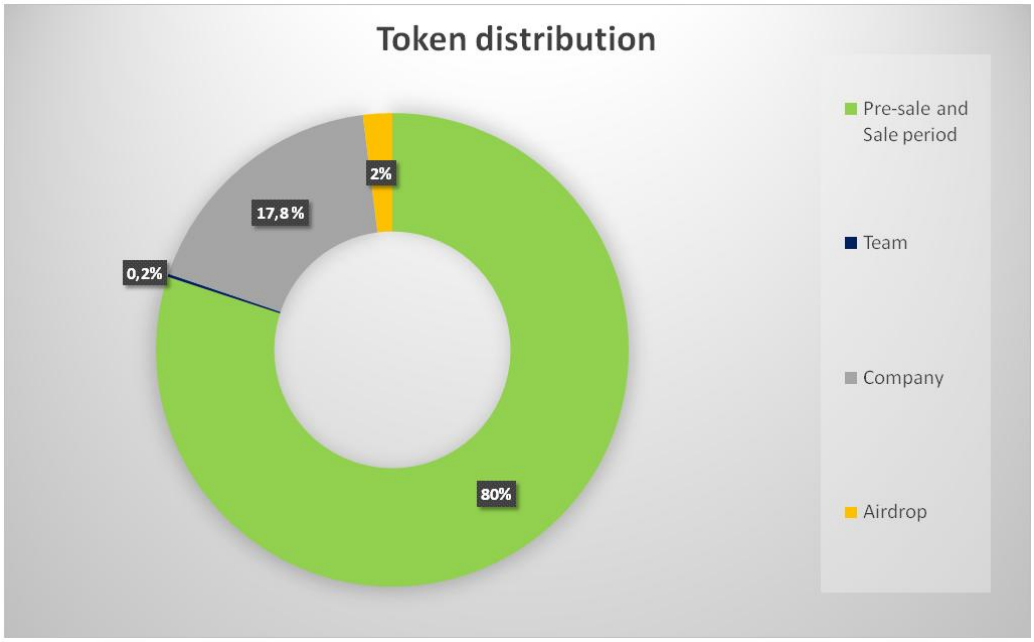


Fig.9

15.2 Use of the CWA token/coin

Holders in any capacity of **the CWA** *tokens/coins* will be granted the right to use them to make the following purchases:

- NFT of renewable energy plants;
- NFT of white certificates for CO_2 savings;
- Subscriptions to the **Multimedia Platform** (initially EUR 180,00 per year per single member of the *community*);
- Use of the ***My Cloud – Mail Server Platform***;
- *Servers*, including software integration to upgrade them;
- Certification packages for ***NFT Art*** and ***Product Certification Platform***;
- Products, goods and services offered by the companies that join and that will join the *Community*, including insurance contracts and private health services;
- Fees for subscribing to games on ***Platform of Games***.

The company will communicate the further and possible uses of the *token*, if new opportunities for spend arise: platforms, fundraising, donations, commercial activities, etc.

CHAPTER 16 – TECHNICAL DESCRIPTION AND PRODUCT ARCHITECTURE

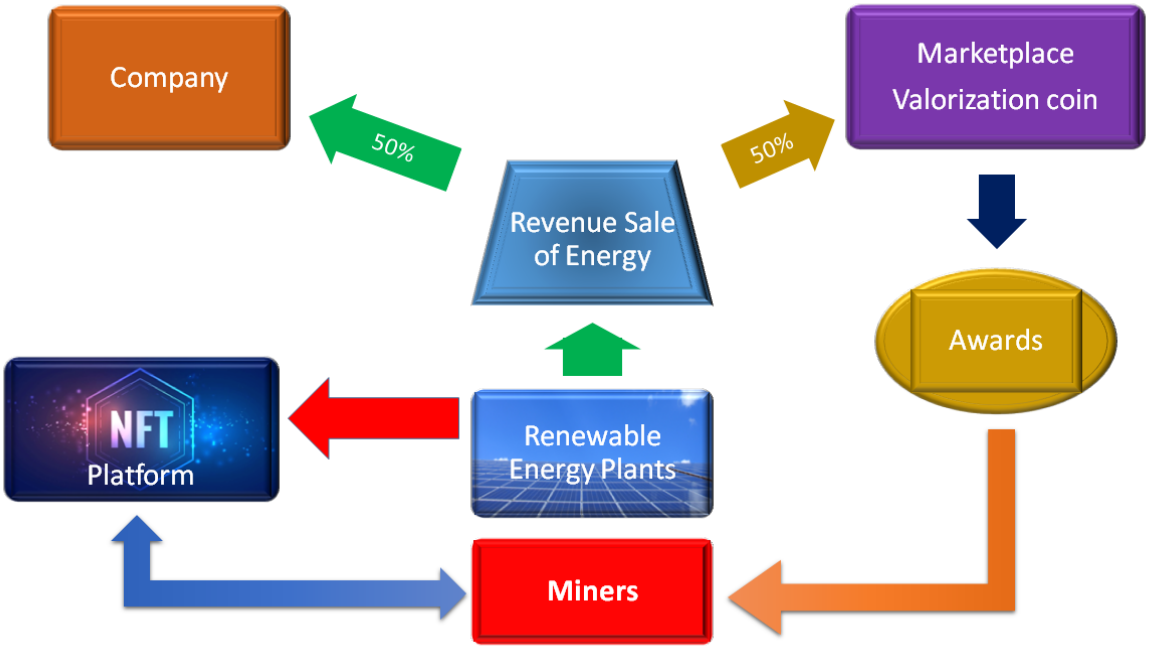


Fig.10

Fig.11

CHAPTER 17 – ROAD MAP

During the period of the I.C.O.:

a. each member must register through the entrance to the site and register, completing the personal data in each of its sections and receiving a *personal wallet* if it is a natural person, or *business* in the case of a company;

b. only upon completion of the personal data and the subsequent corporate verification of the user, concerning the compilation of the KYC and AML forms, the *wallet* will be operational for all the procedures for the purchase of *tokens*;

c. the entire *token offer* will be present within the official website www.coinwatt.sk;

d. the member will decide the number of *tokens* to be purchased with the help of a calculator, which will automatically determine the amount of tokens necessary for the purchase of the desired NFT, with the relative annual subscription fee to the P.I.M.I.;

e. at the end of the reservation, the member will make the relative payment of the amount by bank transfer or transfer of the accepted cryptos;

f. The transfer of the purchased tokens will take place automatically with credit on the wallet, during the period of I.C.O.;

g. The platform for the sale of NFTs of renewable energy plants will be created;

h. The site for the production of hardwares and softwares will be identified.

i. The marketplace for listing the token will be defined.

Road map: during the period of the I. C.O.

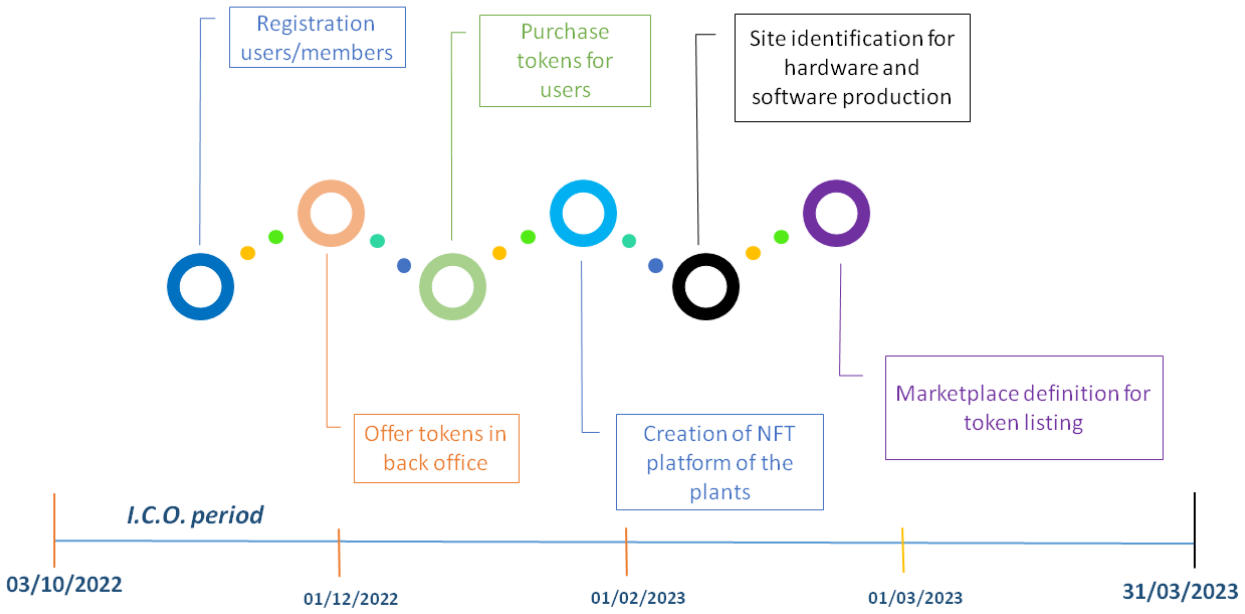


Fig.12

From the end of the I.C.O. will take place:

a. the immediate *listing* of the *token* in the *identified marketplace*;
b. the opening of the NFT platform within 15 days;
c. the transfer of *tokens* to *buyers' wallets* within 30 days;
d. the opening of offices, *branch* and *No Profit* within 60 days;
e. the start of production of *hardwares* and *softwares* within 90 days;
f. the installation and start-up of renewable energy production plants;
g. the sale of the energy produced and the activation of *full green mining;*
h. within the first 12 months the platforms will be created and the other existing ones will be expanded, according to the following priorities:

1. transformation of web radio into an ***Integrated International Multimedia Platform*** (***P.I.M.I.***) with the establishment of the respective companies controlled by the holding company;
2. creation of ***My Cloud – Mail Server***;
3. widening ***NFT Arte***;
4. expansion ***of product certification platform***;
5. expansion of ***the Art Platform;***
6. creation of ***Platform of Games***;
7. creation ***Eco Family System Platform.***

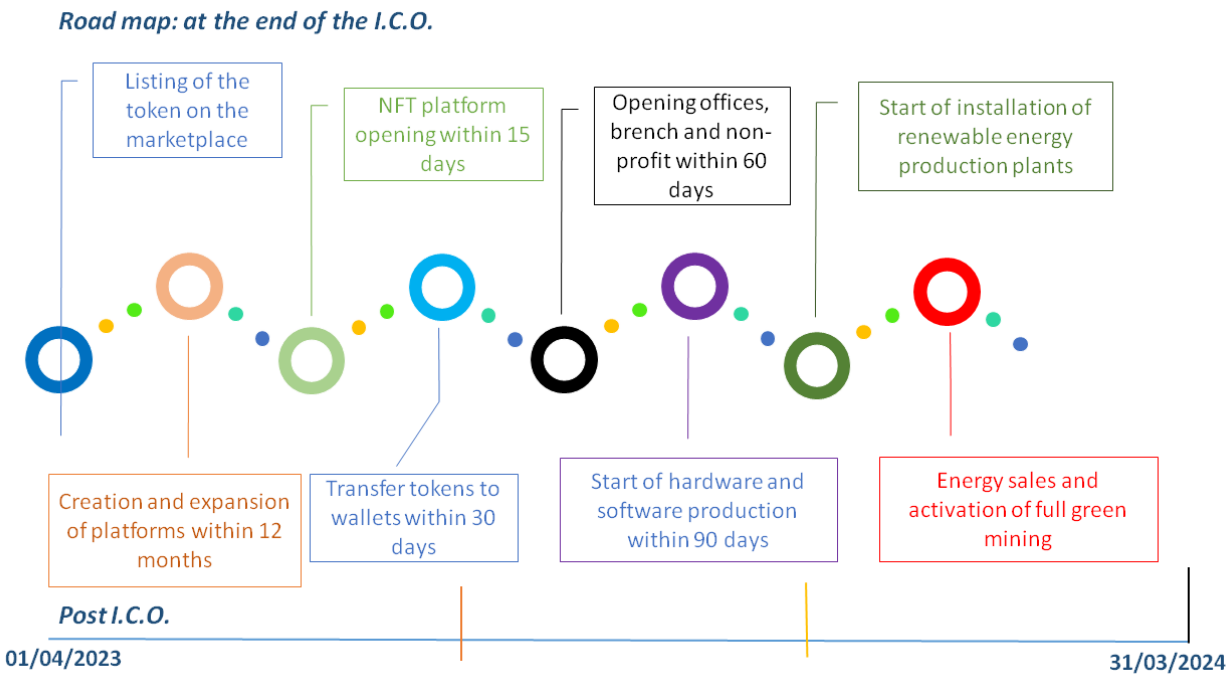


Fig.13

CHAPTER 18 – INFORMATION ON THE USE OF FUNDS RAISED IN CASE OF MINIMUM CAP (3M)

In this chapter, you will learn about the use and destination of funds. According to the *Road Map*, here are the initial investment operations of the first year of activity, considering investments and expenses of the following years deriving from the activity:

a. Rent per production site of about 2.000 square meters (70,000 euro per year);
b. Staff of the plant, about 6 units, including administrative and production staff (180,000 euro);
c. Hardware assembly production material (120.000 euro);
d. Marketing and communication (150,000 euro);
e. Overheads (utilities, insurance, etc.) for the establishment (70,000 euro);
f. *Smart contract* "**ENC22**": cost 5% of the allocated tokens plus 2,000,000 of CWA coins. The cost includes the *smart contract* for the issuance of *tokens*, for the creation of *wallets*, for the sale of various domains, for the creation of the *website*, as well as awareness and making available to ***CoinWatt a.s.*** of a loyal clientele for the purchase of company products and services;
g. Platforms (**P.I.M.I.**, ***MyCloud-MailServer***, ***NFT Platform for Renewable Energy***, ***Eco Family System Platform***, ***Platform of Games***, ***NFT Art***, ***Product Certification Platform***, ***Apps***) (690,000 euro);
h. Editorial staff 3 units (90,000 euro);
i. *Listing* of the *coin* at the rate of 10% of the allocated (300,000 euro);
j. Contribution of 0.5% in favor of the NO PROFIT.

For a total of € 1,835,000 euros

The remaining sum of € 1,165,000, to reach the *minimum cap* indicated, will be allocated to the installation of the first Mw.

In the event that the allocation of *tokens* referred to the indicated figure of the *minimum cap* will be exceeded, the sums will be allocated with the following priority:

- expansion of the capitalization of the *coin* in the marketplaces, at the rate of 10 % of the allocated;
- construction of other renewable energy plants, through the sale of portions of their NFT;
- potentiation of the ***Integrated International Multimedia Platform***
- increase in productive human resources in the plant;
- additional contributions always at the rate of 0.5% in favor of the NO PROFIT.

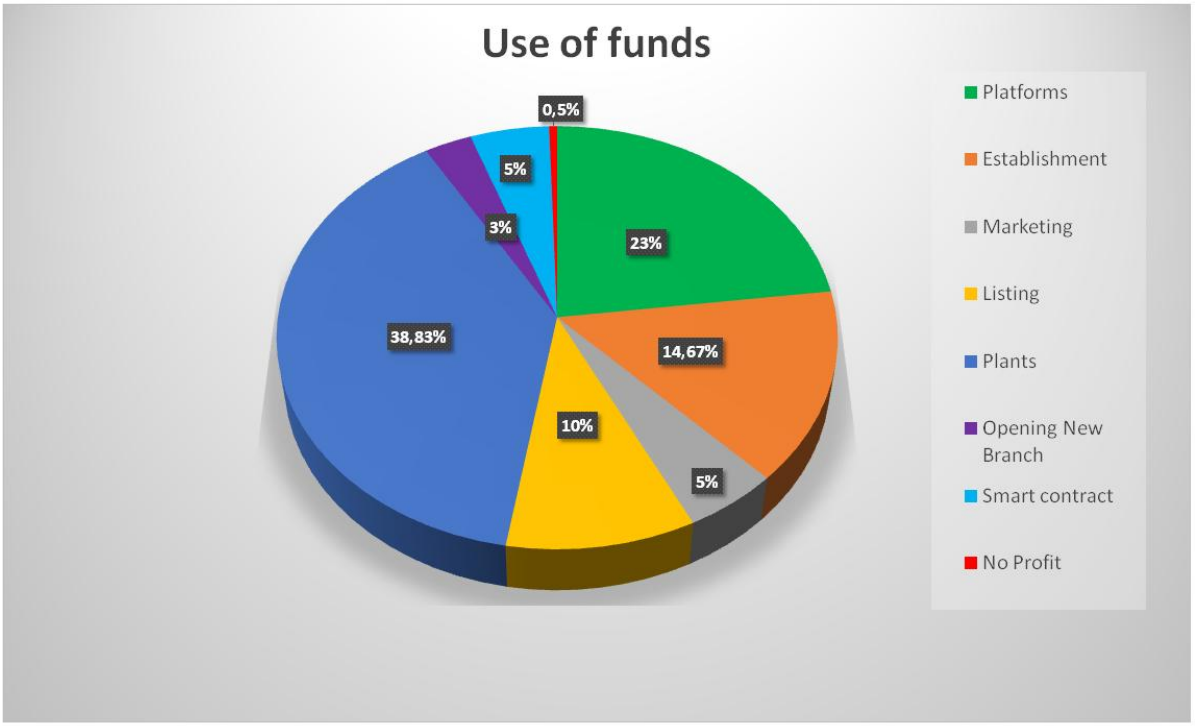


Fig.14

CHAPTER 19 – DISCLAIMER

This *White Paper* should not and cannot be considered an invitation to make an investment. It does not constitute or relate in any way to or be considered an offer of securities in any jurisdiction. The *White Paper* does not include or contain any information or guidance that could be considered a recommendation or that could be used to evaluate any investment decision. This document does not constitute an offer or an invitation to buy shares, securities or rights belonging to ***CoinWatt a.s.*** or any company related to it.

CoinWatt *tokens (CWA)* are only a utility token and as such can only be used on *CoinWatt* platforms and are not assimilable or definable as financial instruments.

Offering *CoinWatt tokens* on *trading* platforms does not change the legal qualification of the *token* itself, which remains a simple means of using the *CoinWatt* platform.

CoinWatt a.s. is not to be considered an advisor in any legal, tax or financial matters. Any information contained in the *White Paper* is provided for general informational purposes only, and *CoinWatt* makes no warranty as to the accuracy and completeness of this information. Given the lack of precise and homogeneous characteristics of crypto *tokens* in most countries, each buyer is strongly advised to carry out a preliminary legal and tax analysis relating to the purchase and ownership of *CoinWatt* tokens based on their nationality and place of residence.

CoinWatt a.s. is a regulated legal entity according to Slovak law and is obliged to receive from each buyer of tokens the information necessary for the KYC and AML (*know your client* and *anty money laundering)* models. These models will be sent to each applicant and included in the company website www.coinwatt.sk.

Normally, in all EU countries, in the United States, in Singapore, in Switzerland to name just a few, the process of acceptance and formalization of each request can in no way derogate from these documents. The use of sensitive data collected in this way is regulated by the GDPR as transposed by Slovak law. The data will be kept for the minimum necessary period, not transferred to others except to banking or financial institutions authorized for the purpose of traceability of movements and, when the Customer requests it, they will be shared with the same and processed within the current legislation, kept in encrypted environments and adequately protected by keys in *blockchain* technology.

The acquisition of *CoinWatt tokens* does not guarantee any right or influence over the organization of *CoinWatt*. *CoinWatt* does not confer any direct or indirect rights to the capital or income of ***CoinWatt a.s.***, nor does it confer any right of *governance* within ***CoinWatt a.s.*** A *CoinWatt* is not proof of ownership or a right of

control. It does not grant the holder any asset or share in ***CoinWatt a.s.*** or in the ***CoinWatt a.s.*** network. One *CoinWatt* does not grant buyers any right to participate in control over the management or decision-making of ***CoinWatt a.s.***, or on the network and *governance* of ***CoinWatt a.s.***

Regulators and regulators are closely scrutinizing the activities and operations associated with cryptocurrencies around the world. In this regard, regulatory measures, investigations or actions may have an impact on the business of ***CoinWatt a.s.*** and even limit or prevent the development of its operations in the future. Any person who commits to acquiring *CoinWatt tokens* should be aware that CoinWatt ***a.s.*** business model, the *White Paper* or the terms and conditions may or will have to be changed due to the new regulatory and compliance requirements of any applicable law in any jurisdiction. In that case, buyers and anyone who *undertakes* to acquire *CoinWatt* tokens acknowledge and understand that neither ***CoinWatt a.s.*** nor will any of its affiliates be liable for any direct or indirect loss or damage caused by such changes.

CoinWatt a.s. will do its best to start its operations and develop the *CoinWatt* platforms. Anyone who commits to *acquiring CoinWatt tokens* acknowledges and understands that ***CoinWatt a.s.*** does not provide any guarantee on the achievement of the *minimum cap* expressed in the I.C.O. and, if so, the sums will be returned to the participants only net of bank commissions and out-of-pocket costs and reportable for KYC / AML verifications within 30 days. However, there is the possibility of a postponement of the terms in cases where the Board of Directors of ***CoinWatt a.s.*** believes that the *minimum cap* will be reached in the following 90 days from the scheduled closing date. At the end of the I. C.O., these *tokens* will be issued by a technical process called *"Blockchain".*

Readers of this document and any members of the offer acknowledge and understand, therefore, that ***CoinWatt a.s.*** (including its organs and employees) assumes no liability for any loss or damage that may arise or be related to the inability to use *CoinWatt tokens*, except in the case of intentional misconduct or gross negligence.

19.1 Recommendations and guarantees

By participating in any stage of the offer, the buyer accepts the above and in particular declares and guarantees to:

- have carefully read the terms and conditions attached to the *white paper*;
- accept its entire content and agree to be legally bound by it;
- are authorized and have full powers to purchase *CoinWatt tokens* according to the laws in force in their jurisdiction of domicile;
- (not to be a U.S. citizen, resident or entity (a "U.S. person"), nor to purchase *CoinWatt* or sign on behalf of a U.S. person with the exceptions provided for by the laws of many of the United States that give different rights and faculties to "professional" operators as expressly described);
- is not a resident of China, nor is it purchasing *CoinWatt* or signing on behalf of a Chinese resident;
- is familiar with all related regulations in the specific jurisdiction in which they are based and that the purchase of crypto tokens in that jurisdiction is not prohibited, restricted or subject to additional conditions of any kind;
- declares that you will not use the *Pre-Sale Period* and the *Sale Period* for any illegal activity, including but not limited to money laundering and terrorist financing;
- declares to have sufficient knowledge of the nature of *cryptographic tokens* and to have significant experience and functional understanding of the use and complexity of managing *cryptographic tokens* and currencies and blockchain-based systems and services;
- declares to buy *CoinWatt tokens* because it wants to access the ***CoinWatt a.s platforms.***;
- finally, declares not to purchase *CoinWatt tokens* for investment purposes or any other speculative use.

19.2 The importance of risk sharing

We recommend readers interested in buying our *utility tokens* to operate consciously in any case, based on their risk appetite, their income and their capital *stock*, with the foresight of the "good family man" and in any case with a view to diversifying the opportunities to be seized.

19.3 Arbitration and Applicable Law

The Client acknowledges and agrees that the ***CoinWatt a.s.*** ICO complies with the laws, laws and regulations of the Slovak Rep.ca. In case of disagreement in the interpretation of the rules, the parties agree to seek an amicable agreement before initiating any legal action. Any dispute or controversy arising out of or by virtue of the *Sale Period* shall be resolved by arbitration in accordance with the Slovak Rules in force on the date on which the notice of arbitration is submitted. The arbitration panel shall consist of a single arbitrator. The seat of arbitration shall be Bratislava, Rep.ca Slovakia. The arbitration proceedings will be conducted in English.

Chapter 20 – Agreements and Conventions

The company **CoinWatt a.s.** is inclined to enter into agreements or conventions with trade associations, professional registers, professional associations, cooperatives, tax assistance centers (C.A.F.), patronages, foundations, trade unions, etc.

The members of the aforementioned subjects who have signed the agreement, are offered the opportunity to purchase a 20 *watts* NFT with a minimum fee of € 42.

Chapter 21 – Establishment of a Non-Profit

A *non-profit* company will be established with the aim of financing or co-financing basic research and applied research, conducted by research and development centers, foundations, universities and technological poles preferably but not exclusively active in the Slovak Republic in the renewable energy sector.

CoinWatt a.s. will contribute 0.5% on *token sales* and later NFT.

Ms**. Iveta Hastova**, Doctor of Pedagogy, a Slovak citizen residing in Slovakia, accepted the position of coordinator of the project and to take care of what was necessary for the approval of the company before the ***Ministry of the Interior*** of the Slovak Republic and the other competent authorities.

A member of the *community* elected for this function and with an appropriate CV will take on the role of member of the Steering Committee.

After 2 tax years closed, the company will be able to receive contributions in the amount of 2% from Slovak taxpayers who wish, depending on their tax base.

CHAPTER 22 – OUR TEAM

- **Mrs. Jana Hassane**, President of the Board of Directors, legal representative – diploma technical institute for trade and business management. Among the duties carried out assistant notary and state registry officer at Bratislava Nove Mesto City Hall. He speaks Slovak, Czech, English and Arabic.
- **Mr. Ezio Prosperococco**, Vice President of the Board of Directors, Sales Manager.
- **Eng. Faliero Dell'Agata** co/author of blockchain technology. Degree in Computer Engineering, team leader at Abbott s.p.a., Technical Director at Mi.Fi. Italy, Resp.le development technology project ***CoinWatt a.s.*** He speaks Italian and English.
- **Eng. Cosimo Alemanno**, co/author of *blockchain* technology, Energy Project Consultant - degree in electronic engineering, former process manager at *Texas Instruments Incorporated* and *Micron Technology Inc*., oversaw the design and installation of over 85 renewable energy plants. Resp.le Energy Platform Project ***CoinWatt a.s.*** He speaks Italian and English.
- **Eng. Jana Bartakova**, Institutional Relations Consultant - Master's degree in Business Administration. Former director at the *Central Depository* of the Slovak Rep.ca. Professional CV recognized by the NBS

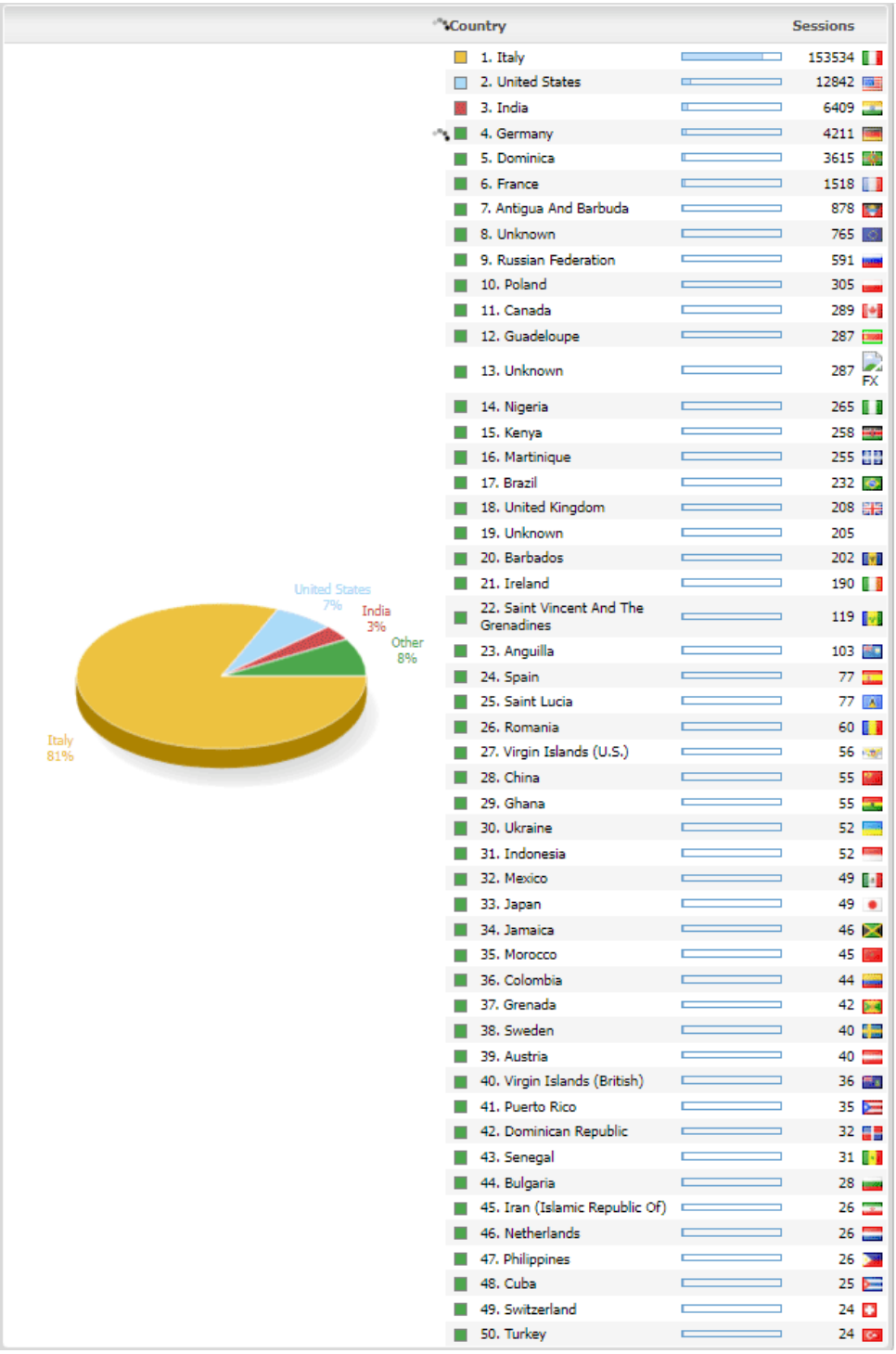
(Slovak National Bank). He speaks Slovak Czech English. Financial *Advisor* of ***CoinWatt a.s.***, responsible for the development of platforms.

- **Mgr. Iveta Hastova**, Non-Profit activity - Master's degree in Pedagogy University of Presov (Slovakia). Teacher. Non-Profit Manager of coinWatt ***Group a.s.*** He speaks Slovak, Czech, English.
- **Eng. Valerio Griffa**, Production Processes Consultant – former head of R&D company *Fiat Automotive* group, Member of the Board of Directors of the Mare S.p.A. group, responsible for *hardware* development and management processes. He speaks Italian and English.
- **Eng. Lu Zongnan**, Hardware Consultant - *Bc. Mechanical Engineering*, *Master Degree* in *Vehicule Engineering* with subsequent specialization, has worked at *automotive* companies Fiat Auto S.p.A. and Iveco, R&D centers of the Group, I.DE.A. Institute S.p.A. Resp.le purchasing and *style* for *the servers* and *hardware* of the ***CoinWatt a.s. Project.*** He speaks Chinese, English, Italian.
- **Eng. Jozef Kremnicky**, Marketing Consultant - Master's degree in *Marketing* and Transport from Zilina University. Marketing and communication manager CoinWatt ***a.s.*** Project speaks Slovak, Czech, English.
- **Eng. Dominik Debef**, IT Developer – Software Development Manager, Systems Engineer, *Blockchain* Expert, Team Leader of the team that from the Czech Rep.ca will coordinate the ***P.I.M.I. platform.***, management and maintenance. He speaks Czech, Slovak, German and English.
- **Dr. Ettore Umberto Bellucci**, *Master* in Positioning Tourism Enterprise, EU Trainer, *Visiting Professor* in universities in Italy and abroad, Professional journalist registered with the Slovak Press Association since 2010, former director of newspapers. He speaks Italian, English and French.
- **Dr. Luciano Rossi**, IT Consultant – Master's degree in Physics University of Bratislava, for 19 years business consultant, head of the study office. He speaks Italian, Slovak and English.

- **Mr. Anthony White**, translator, Social media publisher – primary school teacher, translator, has been living in Bratislava for 15 years. He speaks English and Slovak.
- **Ms. Barbora Gaidošova'**, translator, Social media publisher – student in psychology, *blogs* and *social publisher.* She speaks Slovak, Czech and English.

ANNEX A

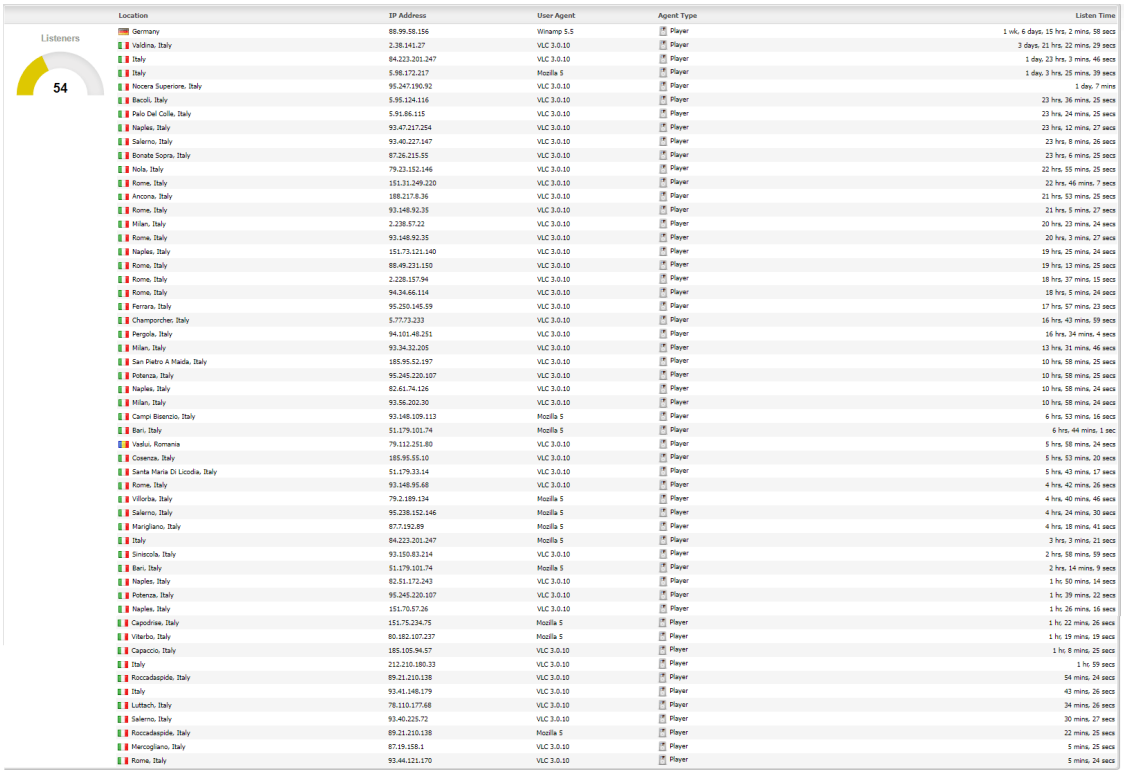
The following image shows the ranking of the top 50 countries by number of open radio listening sessions.



Country	Sessions
1. Italy	153534
2. United States	12842
3. India	6409
4. Germany	4211
5. Dominica	3615
6. France	1518
7. Antigua And Barbuda	878
8. Unknown	765
9. Russian Federation	591
10. Poland	305
11. Canada	289
12. Guadeloupe	287
13. Unknown	287
14. Nigeria	265
15. Kenya	258
16. Martinique	255
17. Brazil	232
18. United Kingdom	208
19. Unknown	205
20. Barbados	202
21. Ireland	190
22. Saint Vincent And The Grenadines	119
23. Anguilla	103
24. Spain	77
25. Saint Lucia	77
26. Romania	60
27. Virgin Islands (U.S.)	56
28. China	55
29. Ghana	55
30. Ukraine	52
31. Indonesia	52
32. Mexico	49
33. Japan	49
34. Jamaica	46
35. Morocco	45
36. Colombia	44
37. Grenada	42
38. Sweden	40
39. Austria	40
40. Virgin Islands (British)	36
41. Puerto Rico	35
42. Dominican Republic	32
43. Senegal	31
44. Bulgaria	28
45. Iran (Islamic Republic Of)	26
46. Netherlands	26
47. Philippines	26
48. Cuba	25
49. Switzerland	24
50. Turkey	24

Fig.15

In these two images it is possible to view the access that took place at 13:55 on August 17, 2022 (instant taken at random). Data developed with the processing of the connected IPs and their geolocation. In the second figure below, the detail and number of listening nodes (each node is made with at least 15 listeners connected) with the relative connection details.

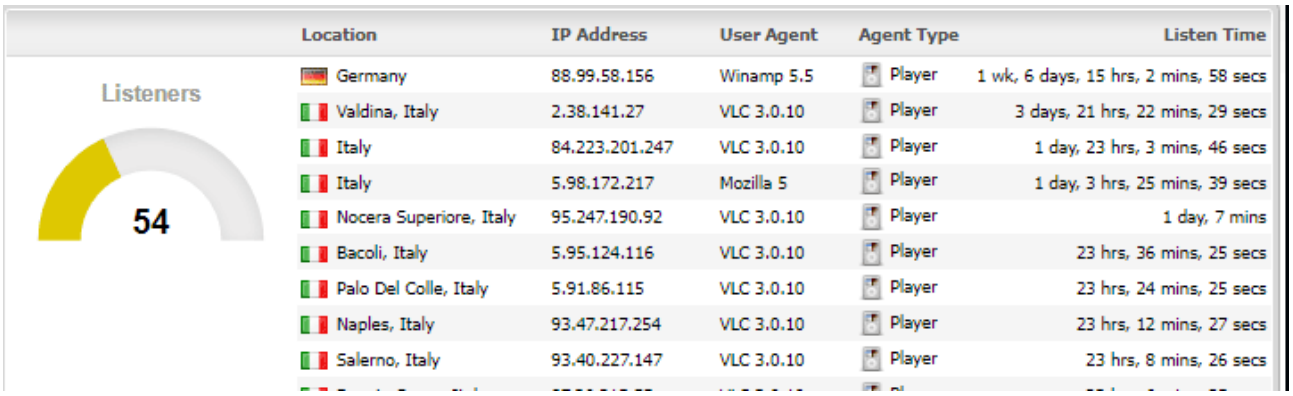


Listeners

54

Location	IP Address	User Agent	Agent Type	Listen Time
Germany	88.99.58.156	Winamp 5.5	Player	1 wk, 6 days, 15 hrs, 2 mins, 58 secs
Valdina, Italy	2.38.141.27	VLC 3.0.10	Player	3 days, 21 hrs, 22 mins, 29 secs
Italy	84.223.201.247	VLC 3.0.10	Player	1 day, 23 hrs, 3 mins, 46 secs
Italy	5.98.172.217	Mozilla 5	Player	1 day, 3 hrs, 25 mins, 39 secs
Nocera Superiore, Italy	95.247.190.92	VLC 3.0.10	Player	1 day, 7 mins
Bacoli, Italy	5.95.124.116	VLC 3.0.10	Player	23 hrs, 36 mins, 25 secs
Palo Del Colle, Italy	5.91.86.115	VLC 3.0.10	Player	23 hrs, 24 mins, 25 secs
Naples, Italy	93.47.217.254	VLC 3.0.10	Player	23 hrs, 12 mins, 27 secs
Salerno, Italy	93.40.227.147	VLC 3.0.10	Player	23 hrs, 8 mins, 26 secs
Bonate Sopra, Italy	87.26.215.55	VLC 3.0.10	Player	23 hrs, 6 mins, 25 secs
Nola, Italy	79.23.152.146	VLC 3.0.10	Player	22 hrs, 55 mins, 25 secs
Rome, Italy	151.31.249.220	VLC 3.0.10	Player	22 hrs, 46 mins, 7 secs
Ancona, Italy	188.217.8.36	VLC 3.0.10	Player	21 hrs, 53 mins, 25 secs
Rome, Italy	93.148.92.35	VLC 3.0.10	Player	21 hrs, 5 mins, 27 secs
Milan, Italy	2.238.57.22	VLC 3.0.10	Player	20 hrs, 23 mins, 24 secs
Rome, Italy	93.148.92.35	VLC 3.0.10	Player	20 hrs, 3 mins, 27 secs
Naples, Italy	151.73.121.140	VLC 3.0.10	Player	19 hrs, 25 mins, 24 secs
Rome, Italy	88.49.231.150	VLC 3.0.10	Player	19 hrs, 13 mins, 25 secs
Rome, Italy	2.228.157.94	VLC 3.0.10	Player	18 hrs, 37 mins, 15 secs
Rome, Italy	94.34.66.114	VLC 3.0.10	Player	18 hrs, 5 mins, 24 secs
Ferrara, Italy	95.250.145.59	VLC 3.0.10	Player	17 hrs, 57 mins, 23 secs
Champorcher, Italy	5.77.73.233	VLC 3.0.10	Player	16 hrs, 43 mins, 59 secs
Pergola, Italy	94.101.48.251	VLC 3.0.10	Player	16 hrs, 34 mins, 4 secs
Milan, Italy	93.34.32.205	VLC 3.0.10	Player	13 hrs, 31 mins, 46 secs
San Pietro A Maida, Italy	185.95.52.197	VLC 3.0.10	Player	10 hrs, 58 mins, 25 secs
Potenza, Italy	95.245.220.107	VLC 3.0.10	Player	10 hrs, 58 mins, 25 secs
Naples, Italy	82.61.74.126	VLC 3.0.10	Player	10 hrs, 58 mins, 24 secs
Milan, Italy	93.56.202.30	VLC 3.0.10	Player	10 hrs, 58 mins, 24 secs
Campi Bisenzio, Italy	93.148.109.113	Mozilla 5	Player	6 hrs, 53 mins, 16 secs
Bari, Italy	51.179.101.74	Mozilla 5	Player	6 hrs, 44 mins, 1 sec
Vaslui, Romania	79.112.251.80	VLC 3.0.10	Player	5 hrs, 58 mins, 24 secs
Cosenza, Italy	185.95.55.10	VLC 3.0.10	Player	5 hrs, 53 mins, 20 secs
Santa Maria Di Licodia, Italy	51.179.33.14	VLC 3.0.10	Player	5 hrs, 43 mins, 17 secs
Rome, Italy	93.148.95.68	VLC 3.0.10	Player	4 hrs, 42 mins, 26 secs
Villorba, Italy	79.2.189.134	Mozilla 5	Player	4 hrs, 40 mins, 46 secs
Salerno, Italy	95.238.152.146	Mozilla 5	Player	4 hrs, 24 mins, 30 secs
Marigliano, Italy	87.7.192.89	Mozilla 5	Player	4 hrs, 18 mins, 41 secs
Italy	84.223.201.247	Mozilla 5	Player	3 hrs, 3 mins, 21 secs
Siniscola, Italy	93.150.83.214	VLC 3.0.10	Player	2 hrs, 58 mins, 39 secs
Bari, Italy	51.179.101.74	Mozilla 5	Player	2 hrs, 14 mins, 9 secs
Naples, Italy	82.51.172.243	VLC 3.0.10	Player	1 hr, 50 mins, 14 secs
Potenza, Italy	95.245.220.107	VLC 3.0.10	Player	1 hr, 39 mins, 22 secs
Naples, Italy	151.70.57.26	VLC 3.0.10	Player	1 hr, 26 mins, 16 secs
Capodrise, Italy	151.75.234.75	Mozilla 5	Player	1 hr, 22 mins, 26 secs
Vitarbo, Italy	80.182.107.237	Mozilla 5	Player	1 hr, 19 mins, 19 secs
Capaccio, Italy	185.105.94.57	VLC 3.0.10	Player	1 hr, 8 mins, 25 secs
Italy	212.210.180.33	VLC 3.0.10	Player	1 hr, 59 secs
Roccadaspide, Italy	89.21.210.138	VLC 3.0.10	Player	54 mins, 24 secs
Italy	93.41.148.179	VLC 3.0.10	Player	43 mins, 26 secs
Luttach, Italy	78.110.177.68	VLC 3.0.10	Player	34 mins, 26 secs
Salerno, Italy	93.40.225.72	VLC 3.0.10	Player	30 mins, 27 secs
Roccadaspide, Italy	89.21.210.138	Mozilla 5	Player	22 mins, 25 secs
Marcogliano, Italy	87.19.158.1	VLC 3.0.10	Player	5 mins, 25 secs
Rome, Italy	93.44.121.170	VLC 3.0.10	Player	5 mins, 24 secs

Fig.16



Listeners

54

Location	IP Address	User Agent	Agent Type	Listen Time
Germany	88.99.58.156	Winamp 5.5	Player	1 wk, 6 days, 15 hrs, 2 mins, 58 secs
Valdina, Italy	2.38.141.27	VLC 3.0.10	Player	3 days, 21 hrs, 22 mins, 29 secs
Italy	84.223.201.247	VLC 3.0.10	Player	1 day, 23 hrs, 3 mins, 46 secs
Italy	5.98.172.217	Mozilla 5	Player	1 day, 3 hrs, 25 mins, 39 secs
Nocera Superiore, Italy	95.247.190.92	VLC 3.0.10	Player	1 day, 7 mins
Bacoli, Italy	5.95.124.116	VLC 3.0.10	Player	23 hrs, 36 mins, 25 secs
Palo Del Colle, Italy	5.91.86.115	VLC 3.0.10	Player	23 hrs, 24 mins, 25 secs
Naples, Italy	93.47.217.254	VLC 3.0.10	Player	23 hrs, 12 mins, 27 secs
Salerno, Italy	93.40.227.147	VLC 3.0.10	Player	23 hrs, 8 mins, 26 secs

Fig.17

The satellite image, extrapolated from Google maps, indicates the locations of the connected nodes, at the aforementioned moment.

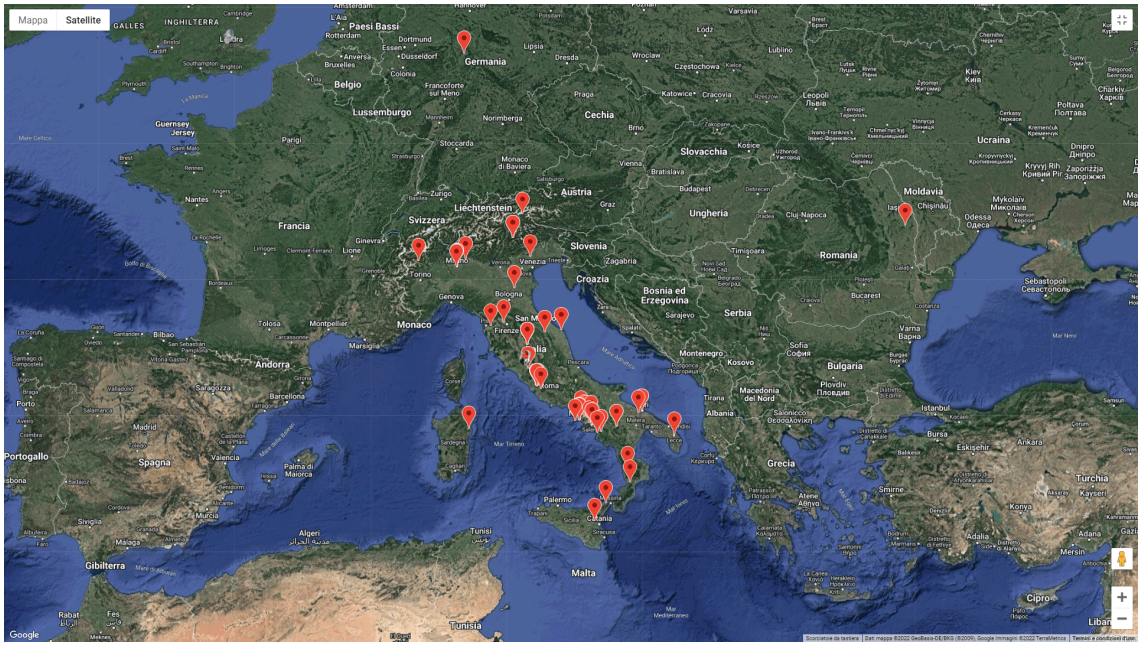


Fig.18

GLOSSARY

- **Award**

Economic recognition for the *full green mining* activity carried out by the *miner*.

- **Airdrop**

Distribution of ***CWA*** *tokens* by the company to those who perform certain agreed services.

- **Back office**

Internal section of the *wallet* for the management of activities.

- **Blockchain**

Literally "chain of blocks". It is a computer network of nodes that uniquely and securely manages a public register composed of a series of data and information, such as transactions, in an open and distributed manner, without the need for central control.

- **Branch**

Branch located in a country other than that in which the holding company is located.

- **Buffer**

In computers, a memory device used for the temporary storage of data intended to be reprocessed, erased or transferred to another memory unit, in order to compensate for the different processing speeds of the two units.

- **Burning**

Action of permanent elimination of a set of *cryptocurrencies* that exist on the network and are in circulation.

- **Byte**

Unit of measurement of the amount of information in a data processing system corresponding to a succession of eight adjacent bits.

- **Cloud**

Term referring to the technology that allows you to process and store data on the network.

- **Coin**

Digital currency native to a *blockchain*.

- **Community**

Set of members of the participatory community, including natural persons and commercial activities.

- **CWA**

CoinWatt acronym and symbol.

- **Disclaimer**

Declaration of non-liability.

- **Downloading**

The action of receiving or withdrawing a file from a telematic network, transferring it to the hard disk of the computer or other user device.

- **E - book**

Digital version of a printed book, available using an e-book reader.

- **Governance**

The set of principles, rules and procedures concerning the management and governance of a society, an institution, a collective phenomenon.

- **Hacker**

Subject or entity that voluntarily decides to violate a computer system to steal or tamper with data.

- **Hardware**

Set of physical components, not modifiable (power supplies, fixed circuit elements, memory units, etc.), of a data processing system.

- **I.C.O.**

(Acronym for *Initial Coin Offering*) is a financing mechanism of a new project initiative based on *Blockchain*, through the sale to the financiers of the project, in exchange for a consideration, of *tokens* that guarantee some form of right on the initiative itself

- **I.S.A.**

International Searching Authority (ISA), *Visegrad Patent Institute*, branch of the Slovak Republic.

- **Kw/h**

The kilowatt-hour (kW/h) indicates the amount of electricity consumed in a time interval, equal to one hour.

- **Listing**

Listing a *coin* in a *marketplace*.

- **Marketplace**

Website/internet platform dedicated to the sale of a product or service.

- **Maximum supply**

(Maximum Availability) is the maximum amount of cryptocurrency tokens that can ever be generated.

- **Miner**

Subject or special node of the *network* that provides servers for the *mining* process.

- **Minimum cap**

Minimum capital to be raised in the I.C.O. period for the realization of the project described in the *Road map* (see).

- **Mining**

Activities carried out by *miners* for the validation, recording and decentralization of digital data within the *blockchain*.

- **MW**

Unit of measurement of the power of the International System and equivalent to 1 million watts.

- **NFT**

NFT (Non-Fungible Token). NFTs are "digital certificates" based on *blockchain* technology aimed at uniquely identifying, irreplaceable and non-replicable ownership of a digital product.

- **No profit**

In economic language, it is said of private bodies very different from each other (associations, committees, foundations, etc.) unified by the prohibition established by statute to distribute the profits to the members who are part of them or to employees, and by the obligation to reinvest them completely in the activity carried out.

- **Podcast**

Radio transmission broadcast via the Internet, downloadable and archived in an Mp3 player

- **Pre-sale period**

Pre-sale period during the I. C.O.

- **Pricing**

In economics it is the process by which the company or seller arrives at fixing the selling price of one of their products using accounting or other procedures.

- **Proof**

Proof.

- **Proof of listening**

Radio listening test.

- **QR Code**

QR Code is the contraction of *Quick Response Code*, which is a quick response barcode.

- **Revenue**

Income, revenue, turnover, income, earnings, income, profit, revenue.

- **Road map**

Intervention plan aimed at achieving an objective or solving a problem. Specifically, indication of the stages for the implementation of the project.

- **Sale period**

Sales period during the I. C.O.

- **Server**

In computer science, a high-performance computer that provides a service to other connected computers on a network called client.

- **Setting up**

Creation, establishment, configuration, setting, setting up, foundation, constitution.

- **Smart contract**

Smart *contracts* are computer protocols that facilitate, verify, or enforce the negotiation or execution of a contract, sometimes allowing the partial or total exclusion of a contractual clause.

- **Software**

In computer science, the set of procedures and instructions in a data processing system; it is identified with a set of programs (as *opposed to hardware*).

- **Stake**

It is the act of locking a certain amount of Cryptocurrency, for a certain period of time in a wallet to receive a reward.

- **Streaming**

System for the transmission of audio and video signals via the Internet, which allows you to listen to and view signals from a server as they are received without having to wait for the complete download and without first having saved them on your computer.

- **Supply chain**

Supply chain.

- **Token**

Digital information recorded on a distributed ledger and representative of some form of right: ownership of an *asset*, access to a service, receipt of a payment, and so on.

- **Tokenization**

Tokenizing means generating a *token* and linking it to a good or service.

- **Tokenomics**

Tokenomics is an economic model based on the *project's token* or cryptocurrency. Key aspects of tokenomics include: how the token is first distributed in the market, how it continues to be distributed over the long term, and the use cases of the *token*.

- **Upgrade**

Updating a computer system or program.

- **Utility token**

Utility *tokens* represent the majority of *tokens* that are issued as part of ICOs. They are mainly used by companies in order to arouse interest in their products. In addition, they are also employed in the application and value creation in blockchain ecosystem services.

- **Voucher**

Voucher issued as a reservation or receipt of payment for certain services.

- **Wallet**

A *wallet* is a secure digital wallet used to store, send and receive digital currency.

- **Watt**

Unit of measurement of power in the International System, equal to one joule per second; W symbol.

- **White Paper (WP)**

Technical and informative document used by cryptocurrency projects to introduce themselves, expose the *mission*, the solution scope and the technical characteristics of the protocol.