



# Whitepaper and tokenomics

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<https://qowatt.network>

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# 01 Abstract

Facilitating the global adoption of electric mobility with the first green energy charging solution, powered by Elrond's technology, Europe's first negative carbon blockchain.

## **QoWatt is a company committed to the energy transition.**

It is driven by a single mission: Build the largest European network of charging infrastructure for electric vehicles at the heart of commercial spaces and business centers.

QoWatt aspires to combine the concepts of eco-sustainability and energy efficiency with those of the blockchain and decentralized finance.

QoWatt's dream is to help create a future where humanity can unlock its full potential.

The QoWatt model can be replicated across the entire energy proving industry and has the power to help the formation of a deflationary, green token and to integrate directly with the economy of smart green cities.

The future is decentralized, it is deflationary and it is eco.

## **The inclusiveness of the platform: open and collectively owned.**

The 1st French green startup linked to a #ESDT \$QWT with real utility building on #Elrond, 1st carbon-negative blockchain

## **An economic model that protects the interests of investors and users.**

Increasing the value and impact of the QoWatt token (\$QWT), which will be the first future-driven DeFi token with the social function of creating an eco sustainable future in a quick and profitable manner.

QoWatt is trying to implement positive changes towards eco-compatibility and sustainability.

QoWatt provides DeFi-based distribution infrastructure that will empower a vast community who are adopting and boosting eco sustainable recharging units for electric vehicles

# 02 Market Opportunity

Green mobility: from a necessity to an opportunity.

The European Green Deal is a set of policy initiatives by the European Commission with the overarching aim of making the European Union (EU) to become the world's first "climate-neutral bloc" by 2050.

It has goals extending to many different sectors, including construction, biodiversity, energy, transport and food.

Under these circumstances, Electric Mobility is no longer a futuristic concept or a what-if scenario.

**There are already more than 10 million electric vehicles (EVs) on the world's roads today** and this number will grow above and beyond a hundred million within the current decade. During 2021 in France 1 of every 5 cars sold was an electrified model.

The objective of carbon neutrality for land transport by 2050 has been translated into French legislation by Mobility Orientation Law (LOM).

The LOM law has strengthened the obligations to pre-equip and equip professional co-ownerships with charging stations.

- 0-20 spaces: minimum of 1 charging station.
- 20-40 spaces: up to 5% of spaces with charging stations.
- 40+ spaces: up to 10% of spaces with charging stations.

QoWatt, France's 1st operator of charging infrastructures for co-owners

- QoWatt provides an investment solution to benefit the co-ownership;
- QoWatt facilitates the process of getting its collective recharging solution approved by the co-owners;
- From installation to support, QoWatt takes care of everything. The property managers and co-owners do not have to handle any issues.

A Win-Win partnership

- The co-owners have nothing to spend. QoWatt takes care of 100% of the investment.
- The co-owners benefit from the performance of the installation through a fee for each kWh delivered.
- QoWatt amortises the installation and management of the infrastructure by receiving a return on the recharges.

## 2.1 Industrial opportunity

### Current situation for consumers

- Using charging terminals is often complicated.
- The user usually has to install up to 20 different applications, each requiring registration.
- Most of the current chargers are installed in the center of a town or in shopping malls. There are few to none chargers in work and office areas.

### QoWatt disruptive charging towers (tech added value)

- An **ultra-simple terminal**: contactless payment by credit card without prior registration required.
- A charging station offering the best speed/price ratio.
- A charging station that is compatible with all electric mobility operators

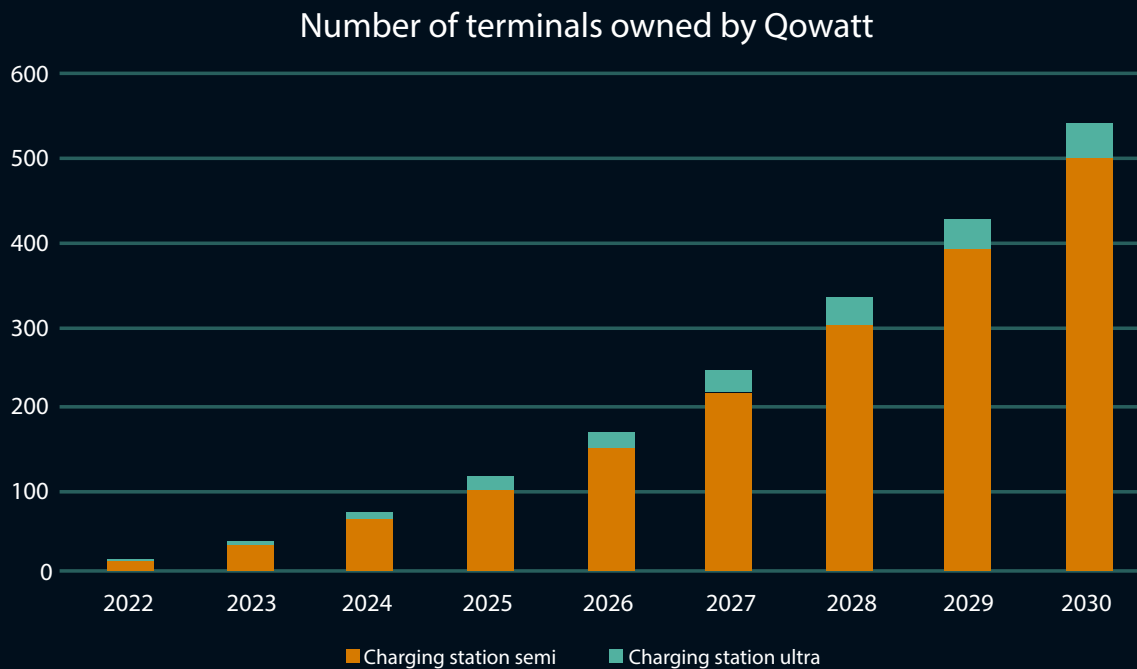
### QoWatt preferred spots (geo added value)

- QoWatt will select carefully the charging spots to ensure the full use of the network. Relevant charging spots will maximise the total delivery of Kwh.

### Blockchain added value

- Elrond Blockchain allows to automate processes with QWT in an efficient, low cost, low latency and secure way.
- Limited staking/voting NFT system
  - o QWT staking rewards are exclusive for investors with an NFT seat
  - o Your NFT allows you to participate on the Qowatt DAO governance
  - o Each Kwh sold in the towers generates 0.85 QWT to the rewards wallet

## 2.2 8-year of exponential Grow Plan



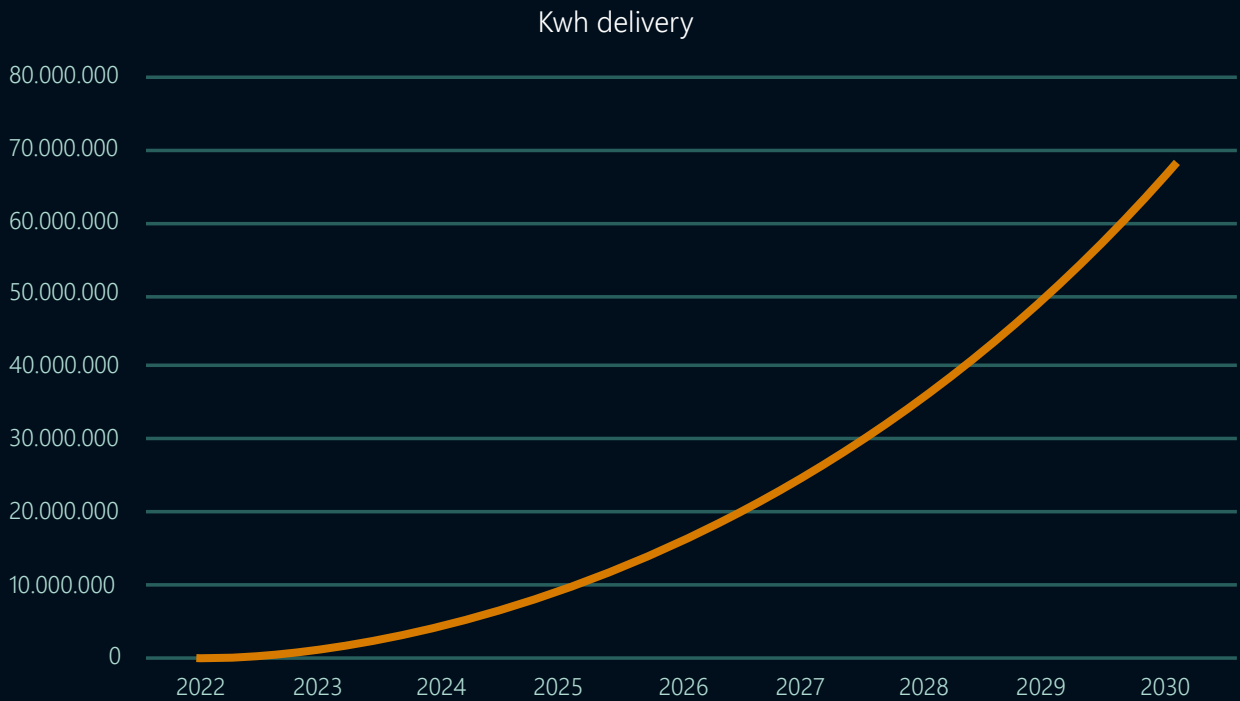
QoWatt Spot dealing model will allow the charging network to grow really fast. Starting with 2 charging points models:

e-City : semi-fast with a max delivery of 22Kw per vehicle

e-Fast : ultra-fast charger with a max delivery of 250Kw per vehicle

The number of e-Fast chargers is lower as they are more expensive but on the other hand their Kwh daily delivery is really high.

Most of the network will be e-City as the majority of the vehicles are compatible with this solution.



The curve above represents the expected evolution of the quantity of Kwh delivered annually by 2030.

Two main factors determine the trajectory of this curve: the intensive program of installing new charging points and the expected exponential growth of electric vehicle sales in Europe.

Thanks to the \$QWT token business model, this growth curve will ensure high and sustainable rewards for those who will stake the tokens year after year.

At the same time, this growth curve will ensure the profitability of QoWatt and support the development of its project

# 03 QoWatt Model

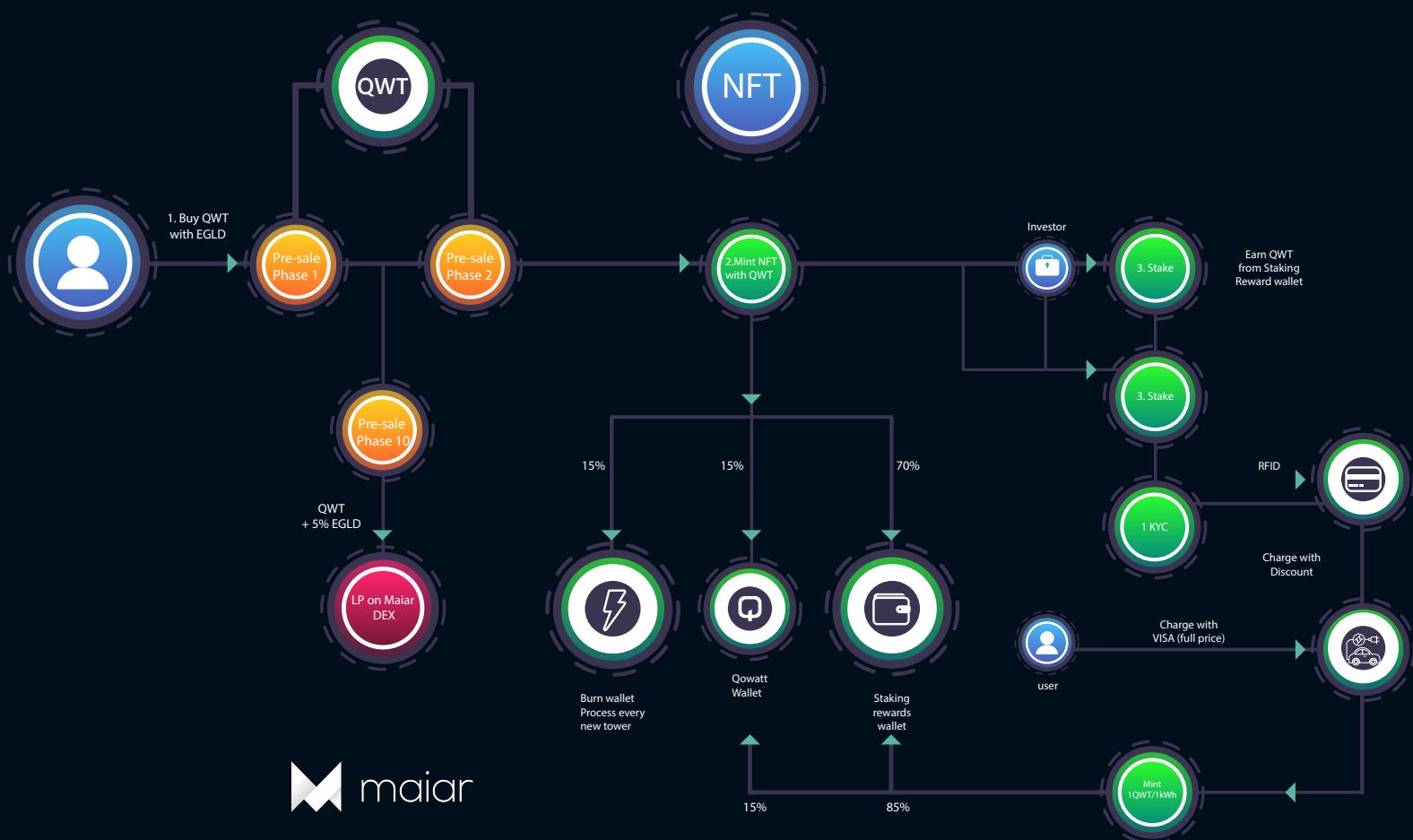
## 3.1 10 reasons to select Elrond

- 1 Innovation: Last generation blockchain network.
- 2 Robustness: \$5.9billion Market Cap with more than 1 million wallets.
- 3 Security: decentralized network with 3,200 nodes around the world with exclusive Secure Proof Of Stake protocol.
- 4 Trust: Runtime Verification (NASA spin-off) audits the protocol to ensure the quality and security in each code line.
- 5 Growth: +200 partner program and business development program.
- 6 Usability: Maiar App, the most easy-to-use non-custodial wallet.
- 7 Liquidity: Decentralized Exchange with more than \$2 billion Total Value Locked.
- 8 Scalability: starting with 15,000 tx/s speed at cost \$0.01 / tx, with capacity to increase bandwidth as the market needed.
- 9 Community: committed and fast-growing audience that supports new projects built on the network.
- 10 Sustainability: Carbon negative network.





## 3.2 Qowatt Economic Model



The innovative QoWatt Economic Model creates value for all the parties involved, creating a perfect link between the Industrial Business success and the investors return of investment. Specially designed to be interesting in the early years of the project and also in the long run.

QoWatt model is based in 3 main pillars

1. The limited NFT's seats for investors
2. RFID card with extra benefits for users
3. Dynamic supply backed by real business results

## 3.2.1 The limited NFT's seats

Staking benefits are organized in 5 tiers for all investors.

- The higher the tier, the fewer the seats.
- Each tier has 3x more rewards than the previous tier.
- 5 NFT TIERS:



### Bronze

Maximum seat supply = 66,000  
NFT mint cost = 10,000 QWT



### Argent

Maximum seat supply = 22 000  
NFT mint cost = 30,000 QWT



### Or

Maximum seat supply = 7,330  
NFT mint cost = 90,000 QWT  
4% discount on reloads (KYC)



### Platine

Maximum seat supply = 2,440  
NFT mint cost = 270,000 QWT  
8% discount on reloads (KYC)



### Diamant

Maximum seat supply = 820  
NFT mint cost = 810,000 QWT  
16% discount on reloads (KYC)

NFT ownership:

- A. NFT seats will be minted by the investors paying its corresponding QWT price. Minting process will be opened until max supply of NFTs is reached.
- B. There will be a secondary market to allow investors to swap back their NFT to QWT tokens. The secondary resell will have an 8% royalty fee: 5% for burning wallet and 3% for staking rewards wallet.
- C. You can stake the NFT for earning rewards from the success of QoWatt. Daily rewards are split equally across each tier, 20% in each tier. As the higher tier has less seats, the rewards per seat are bigger.

## 3.2.2 Extra benefits for users of the charging stations:

- Any investor that becomes a user of QoWatt charging stations will receive an exclusive RFID discount card, personalized with their staking KYC needed. A KYC as well as an NFT lock for a period of 6 months will be required.
- This hybrid model allows users of the charging network to participate in the success of the network receiving passive income while they charge their vehicles.

## 3.2.3 Dynamic supply backed by real business results:

- **Deflationary:** with every new charging tower opened to users, a big amount of QWT tokens will be burnt. A new E-city terminal will burn 500,000 QWT and a new E-fast terminal will burn 1,000,000 QWT.
- **Inflationary:** for every Kwh charged in the station, 1 QWT will be minted and split between Staking Rewards and QoWatt treasury. As the network grows and its use, Kwh daily delivery will grow so the rewards.

### 3.3 Governance on Qowatt DAO

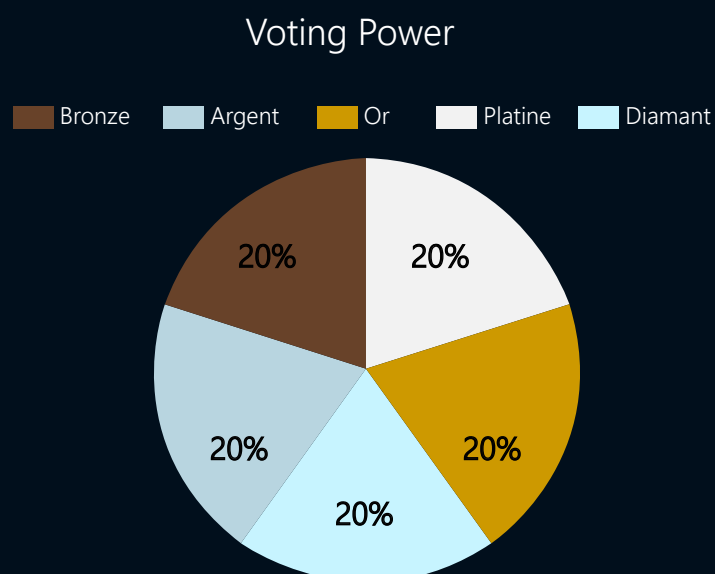
QoWatt team's vision is to create an ecosystem that puts together investors and electric car users. A user of the charging network will have benefits from having a DAO NFT as well. So you can be a user, an investor or a user-investor in QoWatt.

This is for the long term so key decisions will be voted by the limited NFT DAO seats. Things like special burn events to reduce supply, increase rewards/kwh, investing some Treasury funds in a growth project, etc.

The total voting power of the audience is split in tiers, 20% of the voting power is in each Tier. So to say... all Diamant NFT together will have the same voting power than all Bronze NFT together.

As Diamant Tier means 3 times more scarce than Platine, the voting power of one Diamant NFT is 3 times bigger.

- Bronze seat: 1 vote
- Argent seat: 3 votes
- Or seat: 9 votes
- Platine seat: 27 votes
- Diamant seat: 81 votes



# 04 Token QWT

## 4.1 Token utility

QWT is not only a funding token, it is also the engine of QoWatt project growth.

First utility of QWT token is allowing investors to mint the NFT seats for rewards. These limited NFT seats will allow them as well to vote proposals on the Qowatt DAO.

Then, the QWT token allows these automated economic processes that distribute income and rewards between all the QoWatt ecosystem participants.

This innovative tokenomics puts QWT token in the center, making it more scarce as the charging network grows and more valuable as the delivery of Kwh grows.

The NFT mechanism allows QoWatt to focus on long term investors, making it more easy to filter between short term speculators and committed QoWatt supporters.

The only way to buy an NFT staking/DAO seat will be using QWT tokens. Initially, QWTs will only be available through **an exclusive pre-sale** organised in several phases.

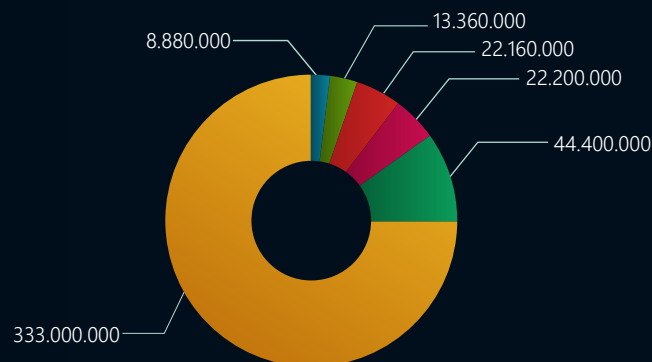
The model has been created to have a really nice ROI by staking rewards, so NFT owners will earn QWT year after year in a model that grows steadily due to the connection between the business success and the staking rewards.

After the last pre-sale ends people will be able to swap eGLD by QWT or QWT by eGLD from QoWatt dApp.



## 4.2 Initial token distribution

Seed Sale	22.160.000	5%
Presale	333.000.000	75%
DEX Liquidity	22.200.000	5,0%
Airdrop	8.880.000	2,0%
Team - Advisors	44.400.000	10,0%
Marketing	13.360.000	3,0%
<b>Total supply</b>	<b>444.000.000</b>	<b>100%</b>



One of the keys of the initial QWT token distribution is that it is designed to put **80% of the supply in the investors hands**. This will allow a wide distribution between lots of investors that will be able to vote key decisions on the QoWatt DAO.

Another important budget is **DEX liquidity**, that combined with part of the eGLD from the pre-sales will allow the QoWatt team to bring a healthy liquidity pool QWT/eGLD.

**Team and advisor** budget is thought to last several years, the plan is to have it properly vested to incentive the team and the advisors. In anycase, it has nothing to do with short term profit.

**Marketing** and **airdrop** budgets will allow to bring new customers and new investors to the innovative QoWatt ecosystem.

Finally, this is just a starting point, the tokenomics will draw a new scenario over years where we will have a good burn budget wallet, a healthy staking rewards wallet and a nice DAO treasury for long term success.

## 4.3 Token pre-sales

The pre-sale of tokens will be executed in 10 phases. Each phase will be open for a maximum of 14 days.

It is to ensure a fair distribution of 80% of the supply that we will sequence the pre-sale in several phases to allow our investor base to grow organically.

This pre-sale system will bring a wide investors audience who will be the main long term project's supporters.

The price of the token in each phase of the pre-sale will be partly linked to the price that the EGLD had 48 hours before the launch of the relevant phase.

A hybrid pricing system will be used for each new phase, taking into account the EGLD and EURO prices in effect during the previous pre-sale phase.

The minimum price set for each pre-sale phase will be defined according to 2 factors: A minimum variation of +0.005€ between each pre-sale phase while respecting a simultaneous variation of the price in EGLD of +0.000005 EGLD minimum between each pre-sale phase.

In order to better understand the hybrid system for pricing QWT for each new phase of the pre-sale, we present below two different hypotheses for the variation of the value of the EGLD/EUR, in order to explain the potential evolution of the QWT/EUR price during the different phases.

# HYPOTHESES 1

	Example egld value before presale	Presale	Minimum EGLD rate	Minimum EUR rate	Retained EGLD rate	Retained EGLD rate	Supply	%
	240 €	seed	0,0000125	0,0030 €	0,0000125	0,0030 €	22 160 000	5,0%
If EGLD value	210 €	1	0,000015	0,0050 €	0,000025	0,0053 €	33 300 000	7,5%
If EGLD value	350 €	2	0,00002	0,0100 €	0,00003	0,0105 €	33 300 000	7,5%
If EGLD value	450 €	3	0,000025	0,0150 €	0,000035	0,0158 €	33 300 000	7,5%
If EGLD value	400 €	4	0,00003	0,0200 €	0,000052	0,0208 €	33 300 000	7,5%
If EGLD value	500 €	5	0,000035	0,0250 €	0,000057	0,0285 €	33 300 000	7,5%
If EGLD value	700 €	6	0,00004	0,0300 €	0,000062	0,0434 €	33 300 000	7,5%
If EGLD value	800 €	7	0,000045	0,0350 €	0,000067	0,0536 €	33 300 000	7,5%
If EGLD value	900 €	8	0,00005	0,0400 €	0,000072	0,0648 €	33 300 000	7,5%
If EGLD value	700 €	9	0,000055	0,0450 €	0,0001	0,0700 €	33 300 000	7,5%
If EGLD value	500 €	10	0,00006	0,0500 €	0,00015	0,0750 €	33 300 000	7,5%

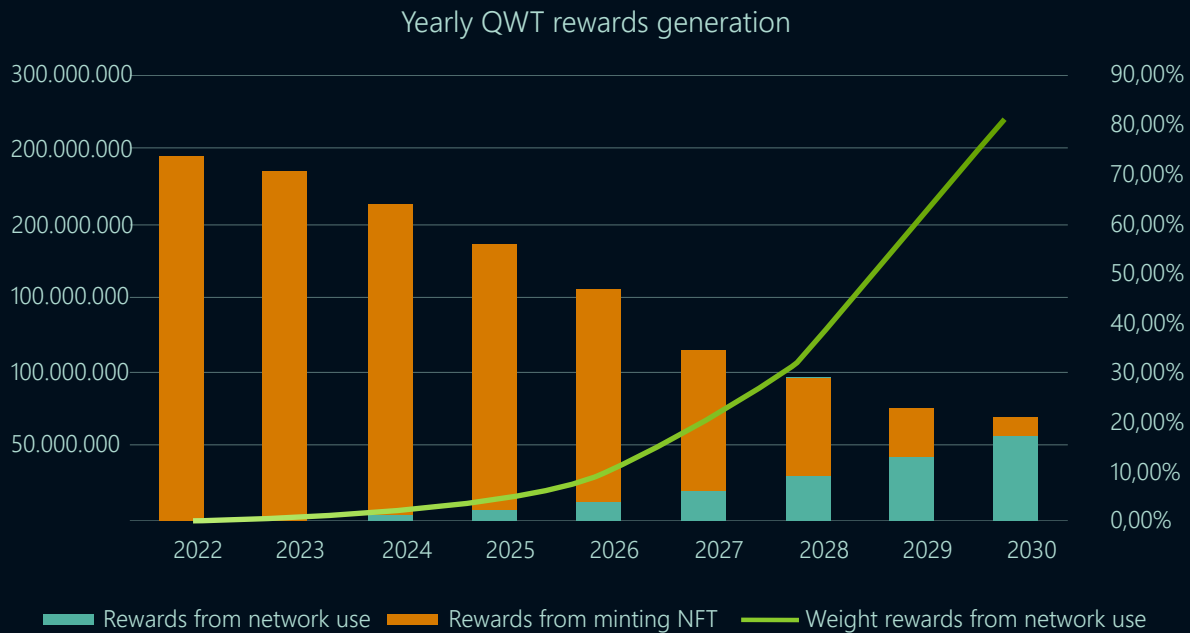
# HYPOTHESES 2

	Example egld value before presale	Presale	Minimum EGLD rate	Minimum EUR rate	Retained EGLD rate	Retained EGLD rate	Supply	%
	240 €	seed	0,0000125	0,0030 €	0,0000125	0,0030 €	22 160 000	5,0%
If EGLD value	220 €	1	0,000015	0,0050 €	0,000025	0,0055 €	33 300 000	7,5%
If EGLD value	230 €	2	0,00002	0,0100 €	0,000041	0,0094 €	33 300 000	7,5%
If EGLD value	240 €	3	0,000025	0,0150 €	0,00006	0,0144 €	33 300 000	7,5%
If EGLD value	250 €	4	0,00003	0,0200 €	0,0000775	0,0194 €	33 300 000	7,5%
If EGLD value	240 €	5	0,000035	0,0250 €	0,0001015	0,0244 €	33 300 000	7,5%
If EGLD value	230 €	6	0,00004	0,0300 €	0,00013	0,0299 €	33 300 000	7,5%
If EGLD value	260 €	7	0,000045	0,0350 €	0,000135	0,0351 €	33 300 000	7,5%
If EGLD value	280 €	8	0,00005	0,0400 €	0,000144	0,0403 €	33 300 000	7,5%
If EGLD value	300 €	9	0,000055	0,0450 €	0,000151	0,0453 €	33 300 000	7,5%
If EGLD value	280 €	10	0,00006	0,0500 €	0,00018	0,0504 €	33 300 000	7,5%

Based on this QWT pricing method, we note that QoWatt ensures that any investor interested in purchasing an exclusive NFT seat in the QoWatt ecosystem will benefit from a better entry point if they purchase their QWT tokens in the early phases of the presale.



## 4.4 Substained Passive Income



One of the challenges we faced when creating the innovative business model of the QWT token was this: It will take several years before all QoWatt charging stations deliver a massive amount of Kwh.

In order for our business model to take this into account, we created two revenue streams for the reward pool, one focused on the first phase of the project (3-4 years) and the other on the very long term.

The first stream of income for staking rewards come from the limited NFT seats minting process. To be specific, 70% of the QWT used to mint an NFT goes to the staking pool. This helps especially in these first years where there are more "investors" trying to catch a seat on the business than kwh volume itself. In this phase the focus is on deploying new charging stations.

The second stream of income for staking rewards come from the kwh delivered itself, for the use of the charging network. To be specific, the QWT token engine mint 1 QWT for every kwh delivered, and 85% of this goes direct to the rewards pool.

This tokenomics is really innovative, as it ensures high APR in the first and second stage of the project. Long term investors will be happy with this mechanism as it drives most of the industrial growth to the limited NFT staking seats. Our forecast is that around 80% of the staking rewards will come from the charging network use itself.

## 4.5 Supply Model

The initial supply is defined in 444 million QWT tokens. And the tokenomics has a dual mechanism to burn and mint QWT that ensures at the same time scarcity of the token and good staking rewards over years.

### Burning:

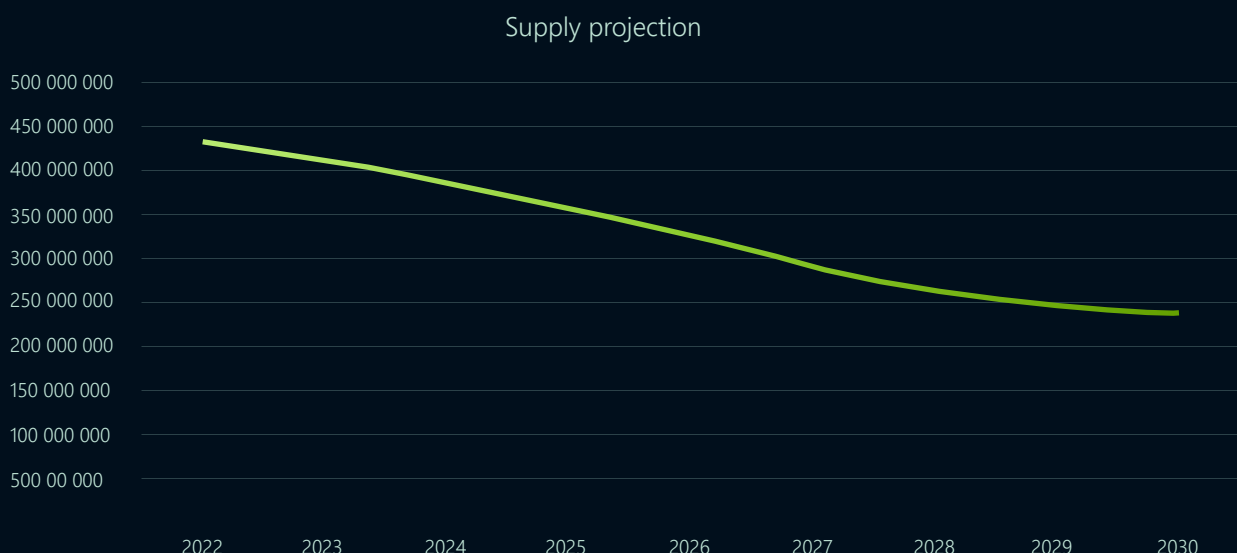
There are 2 types of charging stations, the E-city and the E-fast. With every new E-city PoC the token engine will burn 500k QWT from the burning wallet. And with every E-fast PoC the token engine will burn 1 million QWT tokens. The burning wallet is filled with 15% of every NFT minted and with part of the royalties from the secondary NFT marketplace.

### Minting:

Every Kwh that is delivered to customers of electric vehicles in the charging stations will mint a new QWT. And 85% of this will go directly to the staking rewards wallet.

## 8-years Supply Plan

We make several scenarios and this one is the average one, not very pessimistic and not very optimistic. We expect to mint 212 million new QWT and burn 418 million QWT.



## 4.6 Token Details

### E-city semi-fast station

	Power KW hour	Nb hours year	Semi charging station	Kw delivery/year	500K burned token / load point	1 QWT create/ kWh delivered
2022	22	1 200	15	396 000	7 500 000	396 000
2023	22	1 600	35	1 232 000	10 000 000	1 232 000
2024	22	2 000	65	2 860 000	15 000 000	2 860 000
2025	22	2 400	105	5 544 000	20 000 000	5 544 000
2026	22	2 800	155	9 548 000	25 000 000	9 548 000
2027	22	3 200	220	15 488 000	32 500 000	15 488 000
2028	22	3 500	300	23 100 000	40 000 000	23 100 000
2029	22	3 750	390	32 175 000	45 000 000	32 175 000
2030	22	4 000	500	44 000 000	55 000 000	44 000 000

### E-fast ultra-fast station

	power KW hour	Nb hours year	Ultra charging station	Kw delivery/year	Charging tower	1M token burn / Load tower	1 QWT create/ kWh delivered
2022	250	600	1	150 000	4	4 000 000	150 000
2023	250	800	3	600 000	12	8 000 000	600 000
2024	250	1 000	7	1 750 000	28	16 000 000	1 750 000
2025	250	1 200	12	3 600 000	48	20 000 000	3 600 000
2026	250	1 400	18	6 300 000	72	24 000 000	6 300 000
2027	250	1 600	25	10 000 000	100	28 000 000	10 000 000
2028	250	1 800	31	13 950 000	124	24 000 000	13 950 000
2029	250	2 000	37	18 500 000	148	24 000 000	18 500 000
2030	250	2 200	42	23 100 000	168	20 000 000	23 100 000

Total burn  
418 000 000

Total mint  
212 293 000

## 4.6 Token Details

Name  
of the token  
QoWatt

Token  
symbol  
QWT-46ac01



Decimals  
supported  
6

Type  
of the token  
ESDT

# 5 Team

**Hugo Manteau**  
Founder & CEO



**Kevin Marous**  
Project Manager



**Jose F. Aznar**  
Ecosystem Manager  
(Elrond Spanish Ambassador)



**Sergi Valero Pujol**  
dAPP development Manager  
(Founder & CEO of Moonlorian)



**Kevin Lallement**  
Technical advisor dAPP & smart contract



**Stanislas Motot**  
Website development Manager  
(General director of Smart Impact)



**Solene Jaillard**  
UI/UX Designer website & dAPP



**Patrice Bellune**  
Marketing Designer



**Hakim Korso Tlemsani**  
Social media Manager



**Paul Goetz**  
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(Community admin Elrond FR)



**Todd Neumann**  
Community Expert



# 6 Outlook

