Patagon Eco Energy

PEC

Whitepaper

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01. Executive Summary

PatagonEcoEnergy is a blockchain-based ecosystem that seeks to **democratize investment in renewable energy.**

Its native token, **PatagonEcoCoin (PEC),** operates within this ecosystem as a utility asset that connects users, projects, and sustainable infrastructure.

The goal of **PatagonEcoEnergy** is to allow anyone to participate in the construction of renewable energy infrastructure in Patagonia and beyond, through a decentralized, transparent, and impactful model.

PatagonEcoEnergy was born from a simple yet powerful premise:
while most cryptocurrencies consume energy to exist, **PEC generates it.**

In a world where **the blockchain has always been questioned for its high energy consumption**, our ecosystem proposes a circular model:
transforming digital financial energy into physical renewable energy that powers the very network giving life to the blockchain.

Each kilowatt-hour generated by projects funded through PEC enters the electrical grid, **increasing the supply of clean energy and indirectly offsetting the overall energy consumption of the crypto ecosystem.**

Thus, **PEC** becomes the **first digital currency** that **produces energy all others use.**

02. The Current Problem

The transition toward renewable energy faces two major challenges:

- **Lack of accessible financing:** Energy projects require large upfront investments and depend on capital concentrated in major corporations.
- **Limited inclusion of the general public:** Small and medium investors have few simple, transparent, and secure ways to participate in this kind of development.
- **Additionally, the blockchain ecosystem itself faces an energy paradox:** while it promotes decentralization and innovation, its growth has increased global electricity demand. **Yet, until now, there was no token designed to foster the generation of the very energy the blockchain needs to function.**

03. Our Solution

PatagonEcoEnergy proposes a hybrid model that combines the best of the digital and physical worlds:

- **Access Tokenization:** The PEC token acts as a bridge for participating in the ecosystem.
- **Decentralized Marketplace:** A space where users acquire tokens during the **ICO**, through **Private Sales**, or via **P2P exchanges.**
- **Staking and Rewards:** Token holders can lock their **PEC** to earn rewards from incentive pools.
- **Governance and Participation:** Users can vote on key decisions — fund allocation, project prioritization, or token burn strategies — strengthening transparency and community control.
- **Real Impact:** Funds raised are directed to a trust that finances **renewable energy infrastructure** (wind and solar parks) in the region.

04. Ecosystem Architecture

The **PatagonEcoEnergy** ecosystem is composed of several integrated modules that operate on the **BNB Smart Chain:**

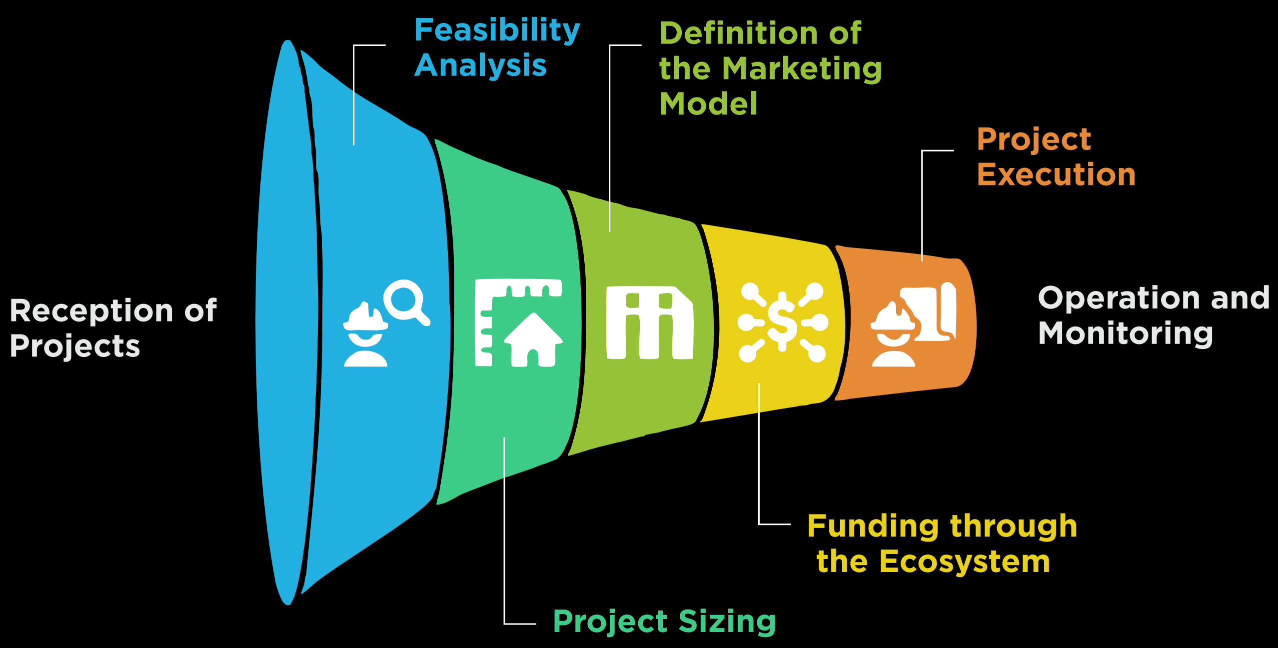
- **Marketplace (ICO & Private Sale):** The initial space where public token sales and private investment rounds are conducted, channeling funds to the energy trust that finances renewable infrastructure.
- **P2P Exchange:** A direct trading platform where users can buy or sell PEC in a decentralized way.
- **Staking:** Reward pools with a total of **400 million PEC** allocated to incentivize active participation and sustain the ecosystem.
- **Decentralized Governance (DAO):** A mechanism that allows PEC holders to participate in on-chain voting on key topics such as fund allocation, burn or buyback strategies, partnership approvals, and ecosystem development priorities.

  Each vote carries weight proportional to the amount of tokens staked, ensuring transparency and genuine community participation.
- **Transparency Dashboard:** A public panel displaying energy generation metrics, fund traceability, project progress, and staking statistics.
- **Energy Project Pipeline:** A process covering project proposal submission, feasibility analysis, sizing, execution, and monitoring of each renewable installation.

05. Business Model

- Token sales during the ICO **raise funds in stablecoins (USDT BEP-20).**
- Funds are managed through a **trust structure** that finances renewable energy infrastructure.
- Each token sold represents a **direct contribution to clean energy generation.**
- In the medium term, the ecosystem will integrate **multichain interoperability,** enabling token purchases with stablecoins from other EVM-compatible networks while maintaining **BNB Smart Chain as the main network.**
- The token's market value will depend on supply, demand, and the community's perception of real-world energy project progress.

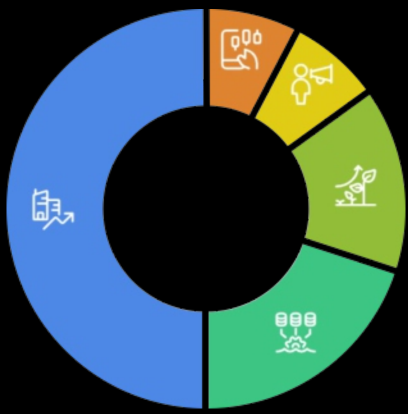
Energy Project Development Funnel



06. Tokenomics

Total Supply: 2.000.000.000 PEC
Allocation

- **Infrastructure (Trust / New Parks):** 1.000.000.000 PEC **(50%)**
- **Staking Pool (Rewards):** 400.000.000 PEC **(20%)**
- **Founding Team** (v5-year vesting, semiannual progressive release): 300.000.000 PEC **(15%)**
- **Marketing, giveaways, airdrops, community incentives:** 150.000.000 PEC **(7,5%)**
- **Initial Liquidity / Market Making:** 150.000.000 PEC **(7,5%)**



Note: The founding team's tokens will be subject to a 5-year vesting period, with semi-annual releases on a progressive curve, ensuring long-term commitment and avoiding market concentrations.

07. Roadmap

2025

- **PEC token** deployed on Mainnet (BNB Smart Chain) and actively trading via the official marketplace (marketplace.patagonecoenergy.com).
- **Initial ICO and Private Sale.**
- Integration of **non-custodial payments** (MetaMask / Trust Wallet).
- Implementation of **fiat and crypto payments** through **Binance Pay and Mercado Pago**.
- Launch of **staking pools (Phase 1)**.
- **Transparency Dashboard** with real-time metrics.

2026

- Implementation of the **first renewable energy pilot park** in Patagonia by **PatagonEcoEnergy.**
- Deployment of the **DAO governance module.**
- Launch of the secondary **P2P market.**
- Development of **multichain contracts** to enable **PEC token** purchases using stablecoins from various EVM-compatible networks (maintaining BNB Smart Chain as the main network).
- **International expansion** and strategic partnerships.

2027

- Development of new **solar and wind parks** across the region.
- **Integration with oracles and PPAs** (Power Purchase Agreements).
- Ecosystem consolidated as the **leading tokenized energy platform in Latin America.**
- **Listing on DEX and CEX** to expand global liquidity and reach.

08. Legal Framework

- **Legal Entity:** Eololum Labs S.A.S.
- **Token Nature: Utility** BEP-20 token (ERC-20 compatible) deployed on BNB Smart Chain Mainnet.
- **Verified Contracts on BscScan:**
  - ✓ **PEC Token Contract:** 0x084165F039256485d64E4aDe90C22d85Bf589F43
  - ✓ **ICO Contract (PagatonEcoICOUpgradeable):** 0x7d1D7D8dd6CC3676277AB8b08E493F06f4331bf3
- **Public Traceability:** Contracts are verified on BscScan and can be accessed at https://bscscan.com/token/0x084165F039256485d64E4aDe90C22d85Bf589F43
- **Control and Audit:** The contracts are marked as benign within the BlockID database. The marketplace.patagonecoenergy.com site is on the **Metamask and Trust Wallet** Whitelist of safe sites.
- **Regulation: PatagonEcoEnergy**'s business model aligns with existing distributed generation regulatory frameworks, such as Law 27.424 in Argentina, and with equivalent regulations in other countries that promote decentralized renewable energy production and its injection into the public grid.
- **Disclaimer:** The token is not a tradable security nor does it grant ownership rights over physical assets. Participation in the ecosystem implies acceptance of the risks inherent in the crypto market.

09. Token Management and Burn Strategy

PatagonEcoEnergy will implement a **dynamic supply management mechanism** to sustain the token's value and strengthen the ecosystem:

- **Buyback & Burn:** A portion of the ecosystem's revenue will be used to repurchase and permanently remove ("burn") tokens, reducing circulating supply.
- **Staking Pool Reinforcement:** Another portion may be reinvested into staking rewards to encourage participation.
- **Strategic Reserve:** Acquired tokens may be allocated to liquidity or used as collateral for partnerships.

All decisions related to this mechanism will be **publicly traceable through the Transparency Dashboard** and may be subject to community voting via the DAO governance module.

10. The Energy That Powers the Blockchain

Since the birth of cryptocurrencies, one question has remained unanswered:
¿How can an ecosystem that consumes so much energy also contribute to generating it?

PatagonEcoEnergy was created to resolve that paradox.

While most digital assets depend on electricity to exist,
PEC is the only token that gives energy back to the system.

It transforms digital financial energy into physical renewable energy, creating a virtuous cycle where the blockchain ceases to be part of the problem and becomes the root of the solution.

Each kilowatt-hour produced by PEC-funded projects enters the power grid, **increasing clean energy supply and indirectly offsetting the consumption of the crypto universe.**

Even if the energy generated is not directly consumed by miners or validators,
it offsets that demand at a systemic level.

Every solar or wind park built through **PEC reduces reliance on fossil-based electricity that powers the digital economy.**

In this sense, **PatagonEcoEnergy** can be seen as a form of reverse mining:
Instead of consuming energy to mint tokens, we issue tokens to generate it.

If Bitcoin was the revolution of digital money,
PatagonEcoEnergy is the revolution of digital energy:
the first ecosystem that powers the very network sustaining the blockchain universe.

11. Future Vision

The ecosystem is designed to evolve in multiple stages, expanding the utility of the token and its real-world impact:

- **P2P Marketplace:** Direct, decentralized exchange of PEC.
- **Advanced Staking Programs:** Tiers and rates to incentivize long-term holding.
- **On-chain Governance:** Voting on strategic ecosystem decisions.
- **Local Currency Payments:** Integration with Binance Pay and Mercado Pago.
- **Public Dashboard:** Real-time energy and impact metrics.
- **PEC as a Payment Method:** Adoption in sustainable energy services and businesses.
- **Renewable Energy Certificates & Green Bonds:** Digital issuance of verified clean-energy certificates with positive environmental traceability.

12. Conclusion

PatagonEcoEnergy was born with a clear mission: to make the energy transition accessible to everyone — **inclusive, transparent, and sustainable.**

With each **PEC** token acquired, users become active participants in building a **cleaner energy future.**

PatagonEcoEnergy

Join the network. your energy, can makes the difference.