

# HYDROMINING WHITEPAPER

Leveraging Paraguay's Hydroelectric Advantage for Sustainable Bitcoin Mining  
\*Version 0.1 | June 2025\*

## EXECUTIVE SUMMARY

**HydroMining** solves Bitcoin mining's energy paradox through geo-arbitrage in Paraguay, where surplus hydroelectric power costs **\$0.03/kWh** (vs. global average \$0.15/kWh). Our tokenomics funds carbon-neutral mining via a 6%-fee BSC token, with 70% of profits driving token buybacks.

**Key innovations:**

- ✓ Immersion-cooled Antminer S21 XP Hyd units (30-50% energy reduction).
  - ✓ Dual-audited tokenomics (Certik + EtherAuthority).
  - ✓ LOI signed with ANDE power authority.
  - ✓ 4.16-year ROI per mining farm.
  - ✓ Zero team allocations | 100% fair launch.
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## 1. DEFLATIONARY TOKENOMICS

Component	Specification
Token Supply	10,000,000
Transaction Fee	6% (2% Buy / 4% Sell)
Fee Allocation	3% Farms, 2% Marketing, 1% Team
Profit Distribution	70% Buyback/Burn, 20% Maintenance, 10% Team

1. Dual smart contract audits (Certik + EtherAuthority).
  2. Permanently locked liquidity.
  3. Real-time profit dashboards.
  4. Zero team token allocations.
  5. Fair Launch.
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## 2. COSTS AND EXPENSES PER FARM

### Cost per farm

Cost Description	Cost
500 Antminer S21 XP Hyd ( <b>\$16,791.04/unit, including taxes and shipping</b> )	\$8,395,520
Land in Ciudad del Este	\$300,000
Industrial warehouse construction	\$600,000
Immersion cooling systems	\$400,000
Connection to ANDE's power grid	\$300,000
Permits and legalization	\$200,000
Monetary support for Paraguay's hydroelectric plant	\$1,000,000
<b><u>Total</u></b>	<b><u>\$11,195,520</u></b>

### Annual expenses

Expense Description	Expense
Energy for mining farms ( <b>2,838,000 W, 68 MWh/day at \$0.03/kWh</b> )	\$746,425 (Bitcoin Price in 94,953.19\$)
Maintenance ( <b>120\$ x miner x year</b> )	\$60,000
Local technicians ( <b>10 x 30,000\$</b> )	\$300,000
Insurance and licenses	\$80,000
Immersion cooling systems	\$100,000
<b><u>Total</u></b>	<b><u>\$1,286,425</u></b>

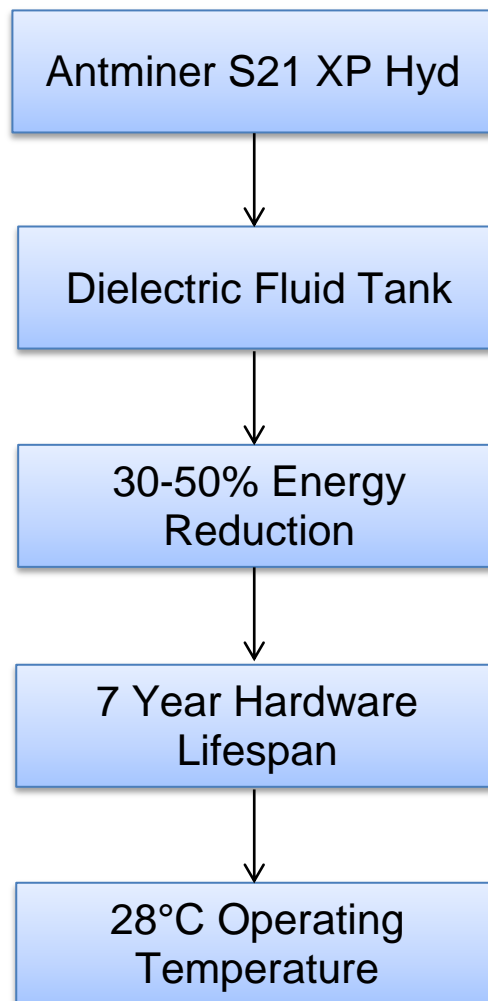
## 3. 7-YEAR PROFIT PROJECTION PER FARM

*Based on \$3,054,013 initial annual net profit (500 Antminer S21 XP Hyd at 473 TH/s and 5676W each) and the last 7 years of mining difficulty and price*

Year	Mining Revenue	OPEX Costs	Net Profit	Buyback/Burn (70%)
1	\$3,054,013	\$1,286,425	\$1,767,588	\$1,237,312
2	\$3,152,806	\$1,286,425	\$1,866,381	\$1,306,467
3	\$9,837,761	\$1,286,425	\$8,551,336	\$5,985,935
4	\$4,678,447	\$1,286,425	\$3,392,022	\$2,374,415
5	\$1,657,123	\$1,286,425	\$370,698	\$259,489
6	\$3,116,592	\$1,286,425	\$1,830,167	\$1,281,117
7	\$2,321,387	\$1,286,425	\$1,034,962	\$724,473
<b>TOTAL</b>	<b>\$27,818,129</b>	<b>\$9,004,975</b>	<b>\$18,813,154</b>	<b>\$13,169,208</b>

#### 4. TECHNOLOGICAL INNOVATIONS

##### Immersion Cooling System



##### Energy Optimization

- **Real-time monitoring** of ANDE grid consumption.
  - **Load balancing algorithms** to minimize waste.
  - **Paraguay hydroelectric advantage:** 100% renewable at \$0.03/kWh.
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## 5. REVENUE MODEL & TOKENOMICS

### Dual Revenue Streams

- Bitcoin Mining
- Transaction Fees

### Token Value Accrual

- 70% profits → Buyback pressure → Reduced supply
- Burns verified on-chain → Transparency
- Scarcity + Utility → Price appreciation

### Token Utility

- Holders will be able to invest their tokens in an additional fund to build mining farms and receive 70% of the profits exclusively for those who invested.
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## 6. RISK MITIGATION MATRIX

Risk Category	Probability	Impact	Mitigation Strategy
Bitcoin Price Volatility	High	High	20% hedging reserve fund
Regulatory Changes	Medium	High	Paraguayan Free Zone Incorporation
Hardware Failure	Medium	Medium	Immersion cooling + 20% replacement fund
Mining Difficulty	High	High	Dynamic profit reinvestment algorithm

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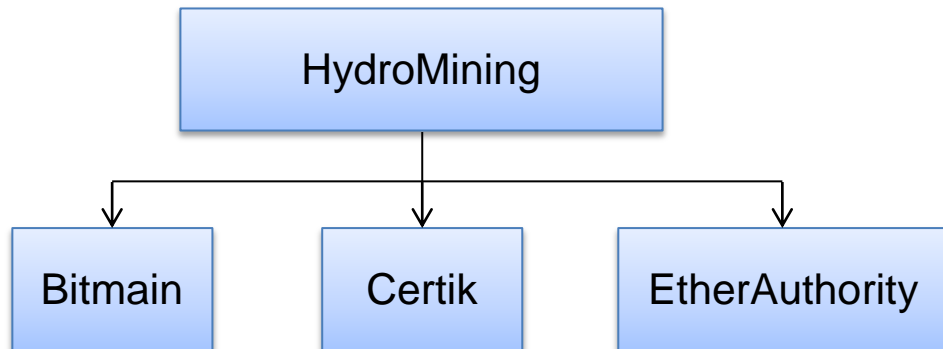
## 7. UPGRADED ROADMAP (TIERED EXECUTION)

Phase	Timeline	Technical Milestones
<b>Planning</b>	Q1 2025	Research
		Whitepaper Beta
<b>Execution</b>	Q2 2025	Website
		Seek Alliances
<b>Fundraising</b>	Q3 2025	Fundraising for the Project
<b>Project Launch</b>	Q4 2025	BSC Contract Deployment
		\$61k Seed Round Closure
		Certik and EtherAuthority Audit Completion
<b>Mainnet &amp; Electric Price</b>	Q1 2026	PancakeSwap V3 Listing
		ANDE Final Agreement Signed
<b>Farm Setup</b>	Q2 2026	Purchase of Land and Construction of the First Farm
		Immersion Cooling Installation and Electrical Connections
		First 250 Antminers Online
		Real-time View of Farm Profits on the Website
<b>Expansion Phase</b>	Q3 2026	Farm 2 Construction
		Listing in 2 CEX
<b>Product Enhancement</b>	2027+	Mobile App Release
		Creation of the fund for Holders (where they can invest their tokens and build their own mining farms and obtain profits from them)
<b>Growth Milestone</b>	2031+	Cross-chain Expansion
		10-Farm Network Completion
		Go Public on the Stock Market

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## 8. STRATEGIC PARTNERSHIPS

### Confirmed Alliances



### Negotiations in Progress

- **PancakeSwap:** Concentrated liquidity pools.
  - **Renewable Energy Consultants:** Efficiency optimization.
  - **ANDE:** Price of electricity.
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