CYNTRI AI

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Building the AI Intelligence Layer for DeFi Infrastructure

Autonomous AI agents for predictive yield optimization, risk management, and portfolio intelligence across multiple blockchains.

Non-custodial. Multi-chain. Always on.

$CYNT Token | Total Supply: 1,000,000,000

Ethereum · Solana · Arbitrum · Base · Optimism · Polygon · Avalanche · BNB Chain · Scroll

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1. Introduction

Decentralized Finance has created a global, permissionless financial system accessible to anyone with an internet connection. Yet the complexity of managing positions across multiple protocols, chains, and risk parameters remains a significant barrier for the majority of potential participants.

Monitoring dozens of yield opportunities across nine blockchains around the clock is not practical for most people, and it does not need to be.

Cyntri AI builds autonomous AI agents that handle this complexity on behalf of users. These agents use advanced machine learning models to predict yield opportunities, assess risk in real time, and execute strategies across multiple blockchains continuously. Users connect a wallet, configure risk preferences, and the agents manage everything else. The non-custodial architecture ensures that users always retain full control of their funds.

1.1 The Problem

- Manual DeFi management demands constant monitoring across fragmented protocols

- Yield opportunities shift rapidly, and human response time cannot keep pace
- Risk assessment across protocols requires technical expertise that most users lack
- Existing tools provide dashboards and data but expect users to act on them independently
- The gap between institutional-grade financial intelligence and retail access remains wide

1.2 The Solution

Cyntri AI is building the AI intelligence layer for DeFi infrastructure. Rather than presenting users with data and leaving interpretation to them, our autonomous agents analyze, predict, and execute, continuously optimizing yield while managing risk within user-defined parameters.

The platform is powered by three ensemble ML models: Temporal Fusion Transformers (TFT) for multi-horizon forecasting, Helformer for hybrid statistical-neural predictions, and SegRNN for segmentation-aware time series analysis. A built-in risk engine performs real-time VaR/CVaR calculations, stress testing, and automatic stop-loss execution.

The $CYNT token serves as the compute credit for accessing AI agent capabilities, analogous to how leading AI platforms price access to their models, but tokenized and on-chain. This creates real consumption demand that scales directly with platform adoption.

2. Market Analysis

2.1 DeFi Market Landscape

The DeFi ecosystem has matured considerably, with Total Value Locked exceeding $100 billion across major protocols. However, the complexity of effective participation has created a growing divide between sophisticated actors and everyday users. Cross-chain DeFi introduces additional layers of complexity that manual management cannot efficiently address.

2.2 AI and DeFi Convergence

The intersection of artificial intelligence and decentralized finance represents one of the most significant opportunities in the current technology landscape. Autonomous agents capable of real-time analysis, prediction, and execution across multiple chains are the natural evolution of DeFi tooling, progressing from passive dashboards to active intelligence.

Cyntri AI is positioned at this convergence, building the AI intelligence layer for DeFi infrastructure that transforms raw blockchain data into actionable, autonomous strategies.

2.3 Competitive Positioning

Most existing DeFi tools fall into two categories: passive analytics (dashboards, yield aggregators) or basic automation (auto-compounders). Neither provides predictive intelligence or autonomous execution guided by machine learning. Cyntri AI bridges this gap with a full-stack solution encompassing prediction, risk assessment, and execution in a single non-custodial platform.

3. Platform Overview

3.1 Mission

Democratize access to institutional-grade DeFi intelligence through autonomous AI agents that predict, protect, and perform on behalf of users.

3.2 Vision

We envision a future where DeFi portfolios are optimized autonomously, with AI agents evolving through community input to adapt to emerging chains, protocols, and market conditions. Cyntri AI aims to become the definitive AI intelligence layer for DeFi infrastructure, making sophisticated financial intelligence previously available only to institutional players accessible to everyone.

3.3 Key Components

- Customizable Prediction Agents: Users configure agents by selecting indicators (TVL, volume, borrow/supply rates, sentiment proxies), setting risk tolerance, and backtesting on years of historical chain data
- Real-time Predictive Insights: Yield forecasts, volatility predictions, risk scores, and expected drawdown estimates with confidence intervals
- Agentic Execution Layer: Autonomous agents that propose or execute rebalancing, migrations, hedging, or entry/exit decisions with user-defined guardrails
- Risk-First Reasoning Engine: Every prediction and action evaluated through probabilistic risk lenses (VaR, CVaR, stress testing)
- Multi-Chain Intelligence: Unified real-time view across Ethereum, Base, Solana, Arbitrum, Optimism, Polygon, Avalanche, BNB Chain, and Scroll
- Ask Agents, Conversational AI Interface: A ChatGPT-style conversational interface purpose-built for DeFi. Users chat directly with four specialized AI agents about yields, risk, predictions, portfolio strategy, and market conditions. Each agent has distinct expertise and personality. Free tier includes preloaded questions, Pro and Enterprise tiers unlock full AI-powered conversations with access to all live system data

• Community Governance: DAO powered by $CYNT for decision-making on models, chains, and risk parameters

4. Predictive AI Technology

4.1 Domain Relevance and Intent Mapping

User queries undergo domain-specific filtering to ensure alignment with cryptocurrency, blockchain, and DeFi analytics. Queries are classified into pre-defined intents such as yield analysis, risk assessment, protocol evaluation, and market prediction. Formally, for a query q and intent set Y, we compute:

```
y = argmax softmax(W · Enc(q) + b)
```

Domain alignment is further verified via cosine similarity with domain prototypes:

```
s = cos(embed(q), embed_defi), accept if s ≥ τ
```

4.2 Predictive Analytics via Advanced Models

Cyntri AI leverages three state-of-the-art architectures optimized for financial time-series forecasting:

4.2.1 Temporal Fusion Transformer (TFT)

TFT integrates attention mechanisms, gated residual networks, and variable selection for multi-horizon forecasting across heterogeneous covariates:

```
alpha_t = softmax(Q_t · K_T / sqrt(d_k)), H_t = alpha_t · V
```

Variable selection allows dynamic feature weighting:

```
x'_t = SUM_i sigma(W_vi · x_t,i + b_vi) · x_t,i
```

TFT enables interpretable predictions that explain which factors (e.g., TVL changes, utilization rates) most influence yield forecasts.

4.2.2 Helformer (Hybrid Transformer with Holt-Winters)

Helformer combines exponential smoothing, recurrent modeling, and Transformer attention. It is particularly effective for markets exhibiting structural shifts and event-driven volatility:

```
l_t = alpha(x_t / s_t-m) + (1-alpha)(l_t-1 + b_t-1)

h_t = TransformerBlock([l_t, b_t, s_t], h_t-1)
```

Helformer excels in capturing both trend and seasonality while adapting to regime changes such as sudden liquidity migrations or protocol upgrades.

4.2.3 SegRNN (Segmentation-aware RNN)

SegRNN models latent regime changes through segmentation variables, making it effective for discontinuous series influenced by token unlocks or liquidity shocks:

```
p(z_t | x_1:t) = sigma(W_z · h_t + b_z)

h_t = f_RNN(x_t, h_t-1, z_t)
```

The segmentation variable allows the model to identify and adapt to market regime shifts, improving prediction accuracy during volatile periods.

5. Technical Architecture

5.1 High-Level System Design

The Cyntri AI architecture comprises multiple integrated layers:

Layer	Components	Function
Data Ingestion	OSN, Oracles, RPCs	Real-time multi-chain data aggregation
AI Processing	TFT, Helformer, SegRNN	Predictive model inference
Agent Layer	Event, Yield Alpha, Vault, Bridge	Strategy execution and monitoring
Orchestration	Multi-agent coordinator	Graph-based reasoning
Interface	Ask Agents Chat, Dashboard	User interaction and insights
Execution	Smart Contracts	On-chain transactions

5.2 Data Flow and Processing

1. Data Aggregation: Time-series price data, liquidity metrics, sentiment indicators, and on-chain events are ingested from multiple sources. Data is normalized and validated for consistency across chains.

2. Model Inference: TFT, Helformer, and SegRNN generate multi-horizon forecasts. Each model produces probability distributions rather than point estimates, enabling proper uncertainty quantification.

3. Agent Coordination: A graph-based multi-agent system merges insights from specialized agents. The coordination is formalized as:

```
G = (V, E), R = M(R_Event, R_YieldAlpha, R_Vault, R_Bridge)
```

4. LLM Reasoning and Interface: Natural-language processing transforms user queries into analytical workflows. The Ask Agents interface provides conversational access to all agent insights, translating quantitative outputs into interpretable narrative responses.

5. Execution and Delivery: Recommendations or automated actions are delivered with confidence scores and risk assessments attached to every output.

5.3 Agent Orchestration Layer

The Agentic AI layer coordinates four specialized agents:

- Event Agent: Monitors macro market conditions, Fear and Greed Index, technical indicators (RSI, MACD, Bollinger Bands), and risk flags. Determines defensive vs aggressive posture.
- Yield Alpha Agent: Scans yield opportunities across all monitored protocols and chains. Evaluates APY, TVL, protocol safety, and risk-adjusted returns to identify optimal deployments.
- Stablecoin Vault Agent: Manages stablecoin positions for maximum safety. Monitors protocol TVL, audit status, and smart contract risk. Prioritizes capital preservation.
- Cross-Chain Bridge Agent: Analyzes yield differentials across chains and executes cross-chain capital migrations when spread justifies bridge costs. Monitors gas prices and bridge availability.

Graph-based reasoning allows parallel inference, cross-domain dependency handling, and confidence propagation. Fallback mechanisms trigger in low-confidence scenarios to maintain robust outputs.

6. Tokenomics

The $CYNT token is the compute credit that powers the Cyntri AI platform. $CYNT is required to access AI agent capabilities, creating real consumption demand that scales with platform adoption.

6.1 Token Overview

Parameter	Value
Symbol	$CYNT
Standard	ERC-20
Blockchain	Ethereum (with multi-chain bridging)
Total Supply	1,000,000,000 (1 Billion)
Presale Starting Price	$0.01 per $CYNT
Minting	No mint function post-deployment

6.2 Token Distribution

Allocation	%	Tokens	Vesting
Presale	20%	200,000,000	10% TGE, 1-month cliff, 6-month linear
Liquidity	20%	200,000,000	TGE unlock
Ecosystem	20%	200,000,000	Linear 36 months
Treasury	15%	150,000,000	Linear 48 months
Team	10%	100,000,000	2-year vest, 6-month cliff
Marketing	7%	70,000,000	20% TGE, 80% linear 18 months
Rewards Pool (XP)	5%	50,000,000	25% TGE, 75% linear 12 months
Community	3%	30,000,000	Linear 24 months

6.3 TGE Circulating Supply

At Token Generation Event, the following tokens will be liquid:

Source	Tokens at TGE	% of Supply
Presale (10% unlock)	20,000,000	2.0%
Liquidity	200,000,000	20.0%
Marketing (20% unlock)	14,000,000	1.4%
Rewards Pool (25% unlock)	12,500,000	1.25%
Total Circulating at TGE	246,500,000	24.65%

75.35% of total supply remains locked or vesting at launch, ensuring healthy market dynamics and aligned incentives across all stakeholders.

6.4 Fee Mechanics and Burn

Cyntri AI generates revenue through two streams, both of which flow through $CYNT:

1. Monthly Tier Subscriptions: Users pay $30 (Pro) or $100 (Enterprise) in USD. Payment is accepted in ETH, USDC, or credit card. All payments are auto-converted to $CYNT on-chain.

2. Per-Action Fees: Every agent trade execution incurs a 0.1% fee on the trade value, charged in $CYNT.

Token Flow: All consumed $CYNT is split 50/50:

- 50% permanently burned, creating deflationary pressure that increases with adoption
- 50% distributed to $CYNT stakers as real yield from platform revenue

This mechanism creates a feedback loop: increased usage leads to increased $CYNT consumption, which drives both higher burn rates and higher staker yields, reinforcing token demand.

6.5 Use of Funds

Presale proceeds are allocated as follows:

Category	Allocation	Purpose
Development	40%	Engineering, AI model training, infrastructure, smart contracts
Marketing and Growth	25%	User acquisition, partnerships, exchange listings, content
Liquidity Provision	20%	DEX pool seeding, market making, cross-chain bridges
Operations and Legal	10%	Team operations, legal compliance, entity setup
Security Audits	5%	Smart contract audits, penetration testing, ongoing security

7. Access Tiers and Utility

$CYNT functions as compute credits for accessing Cyntri AI's autonomous agents. Three tiers provide progressively deeper access, priced in USD for predictable costs:

Feature	Free	Pro ($30/mo)	Enterprise ($100/mo)
AI Agents	1 (Event)	All 4	All 4
Chains	1 (Base)	5	All 9
Predictions	30-min delay	Real-time	Real-time + priority
Ask Agents Chat	5 demo questions/day	Unlimited, all 4 agents	Unlimited + priority + conversation history
Execution Mode	Advisory only	Semi-autonomous	Fully autonomous
Per-Action Fee	N/A	0.1% of trade value	0.1% of trade value
Risk Models	Basic	Standard	Advanced + custom parameters

7.1 Payment and Conversion

Tier subscriptions are priced in USD for user predictability. Payment is accepted in ETH, USDC, or credit/debit card. All payments are automatically converted to $CYNT on-chain before the 50/50 burn-and-stake split is applied. Every payment, regardless of currency used, creates direct $CYNT buy pressure.

7.2 Governance

$CYNT holders participate in DAO governance, voting on:

- Addition of new blockchain networks
- AI model selection and parameter updates
- Risk threshold adjustments
- Protocol whitelisting decisions
- Treasury allocation and strategic partnerships
- Fee structure modifications

7.3 Staking

$CYNT stakers earn real yield from platform revenue. The 50% staker redistribution pool is funded by actual usage fees, not inflationary token emissions. Staking weight determines proportional share of the redistribution pool. This creates a sustainable yield model directly tied to platform adoption and usage.

8. Presale Structure

The $CYNT presale uses a 5-stage progressive pricing model. Early participants benefit from lower entry prices. Stages advance automatically when allocation sells out or manually by the team.

Stage	Price	Tokens	Raises	Cumulative
Stage 1	$0.01	60,000,000	$600,000	$600,000
Stage 2	$0.015	50,000,000	$750,000	$1,350,000
Stage 3	$0.02	40,000,000	$800,000	$2,150,000
Stage 4	$0.03	30,000,000	$900,000	$3,050,000
Stage 5	$0.05	20,000,000	$1,000,000	$4,050,000

8.1 Presale Mechanics

- Unsold tokens from each stage roll forward to the next stage at the new higher price

- Cross-phase orders: if a purchase exceeds remaining stage allocation, the excess fills at the next stage price
- No presale bonuses. Fair pricing for all participants.
- Minimum purchase: $50 | Maximum purchase: $10,000
- Accepted currencies: ETH, USDT, USDC

8.2 Vesting Schedule

All presale tokens vest under the following schedule:

- 10% unlocked at Token Generation Event (TGE)
- 1-month cliff after TGE
- Remaining 90% released linearly over 6 months

This vesting structure aligns presale buyers with long-term project success and reduces TGE sell pressure.

8.3 Smart Contract

The presale smart contract will be deployed with the following security measures:

- Multisig wallet administration (2-of-3 or 3-of-5)
- No mint function post-deployment; fixed supply of 1 billion tokens
- Third-party security audit completed before TGE
- Pause/emergency functions documented and timelocked
- All allocation wallet addresses published post-TGE for on-chain transparency

9. XP Rewards Program

Cyntri AI reserves 50,000,000 $CYNT (5% of total supply) in a dedicated reward pool for early community supporters. XP earned through platform tasks determines each participant's proportional share of this pool.

9.1 How It Works

- Users earn XP by completing various tasks on the Cyntri AI platform
- Tasks include social engagement, community participation, content creation, referrals, and daily activity
- Specific tasks and XP values are managed dynamically and may be adjusted to optimize community growth
- At TGE, the reward pool is distributed proportionally based on each user's XP relative to total XP earned across all participants

9.2 Reward Pool Mechanics

- Pool size: 50,000,000 $CYNT ($500,000 at Stage 1 presale price)
- There is no fixed XP-to-token conversion rate; the pool is divided proportionally
- Unclaimed tokens are burned at TGE; the team does not retain leftover allocations
- Unlock: 25% at TGE, 75% released linearly over 12 months

9.3 Anti-Abuse

The XP system includes safeguards against bot abuse and Sybil attacks. Task verification may include manual review for high-value activities, wallet-gated participation to prevent duplicate accounts, and dynamic rate adjustments to protect pool integrity.

Current XP tasks and values are listed at cyntriai.org. Tasks may change as the platform evolves.

10. Use Cases

10.1 Yield Optimization

Agents automatically identify and rotate into high-APY pools based on multi-horizon predictions. A user might configure a Prediction Agent focused on stablecoin yield with low drawdown tolerance. The agent continuously monitors protocols such as Aave, Compound, Morpho, and Pendle, migrating capital to maximize risk-adjusted returns across chains.

10.2 Risk Mitigation

Real-time protocol health monitoring provides early warning signals. When risk scores exceed configured thresholds, agents automatically reduce exposure or exit positions. During backtesting across 2022 to 2025 historical data, the system detected 23 significant protocol vulnerabilities and successfully avoided losses in 21 of those cases.

10.3 Portfolio Diversification

Multi-chain agents balance holdings across ecosystems for resilience. A user on Ethereum can automatically maintain exposure to Solana and Arbitrum yield opportunities without manually bridging assets or monitoring multiple dashboards.

10.4 Passive Income Generation

Enterprise-tier users deploy fully autonomous agents that execute strategies around the clock with user-defined risk guardrails. These agents rebalance, compound, and de-risk without human intervention, turning DeFi into a truly passive income engine.

11. Risk Management

11.1 Risk Engine

Every prediction and action is evaluated through a probabilistic risk framework:

- Value at Risk (VaR): Estimates maximum expected loss at a given confidence level
- Conditional VaR (CVaR): Measures expected loss beyond the VaR threshold, capturing tail risk
- Monte Carlo Stress Testing: Simulates thousands of market scenarios to assess portfolio resilience
- Automatic Stop-Loss: Hard-coded safety rails that override AI decisions when predefined thresholds are breached

11.2 Non-Custodial Architecture

Users retain full control of their private keys at all times. Cyntri AI agents interact with user wallets through signed transactions that require explicit user approval (Advisory mode) or pre-authorized limits (Autonomous mode). The platform never holds or has access to user funds.

11.3 Security Measures

- Smart contract audit by independent third party before TGE
- Multisig administration for all treasury and operational wallets
- No mint function; total supply is permanently fixed at deployment
- Bug bounty program funded from Community allocation
- Ongoing security monitoring and penetration testing

12. Development Roadmap

Development proceeds through four phases, each building on the deliverables of the previous:

Phase 01: Foundation

- Multi-Chain Data Infrastructure (2 chains: Base, Arbitrum)
- Predictive ML Engine (TFT, Helformer, SegRNN)
- Risk Engine (VaR, CVaR, Stress Testing)
- Agent Orchestration System
- AI Testnet v1

Phase 02: Access and Activation

- AI Testnet v2 Public Release
- Expand to 7 chains (Base, Arbitrum, Optimism, Polygon, Avalanche, BNB Chain, Scroll)
- Ask Agents, Conversational AI Interface for DeFi (ChatGPT-style)
- Live Performance Dashboard
- Token Presale Launch
- Token Generation Event (TGE)
- DEX and CEX Listings
- Staking and Burn Mechanics Live
- Pro and Enterprise Tiers

Phase 03: Autonomous Execution

- All 9 chains live (add Ethereum and Solana)
- Fully Autonomous Agent Execution
- User-Defined Risk Guardrails
- Explainable AI Interface
- Cross-Chain Liquidity Optimization
- On-Chain Performance Transparency

Phase 04: Ecosystem Expansion

- Developer API and Agent SDK
- Strategy Marketplace
- Revenue Sharing for Strategy Creators

- Institutional Analytics Dashboard
- DAO-Governed Model Upgrades

13. Legal and Disclaimers

This whitepaper is for informational purposes only and does not constitute financial advice, an offer to sell, or a solicitation to buy any securities or tokens. $CYNT tokens are utility tokens designed to provide access to the Cyntri AI platform and do not represent equity, ownership, or entitlement to profit sharing.

Cryptocurrency and DeFi involve significant risks including but not limited to: loss of principal, smart contract vulnerabilities, regulatory changes, market volatility, and liquidity risk. Past performance and backtesting results do not guarantee future outcomes.

Participants in the $CYNT presale are responsible for conducting their own due diligence and should consult with legal and financial professionals before making investment decisions. Cyntri AI makes no guarantees regarding token value, exchange listings, or platform performance.

The $CYNT token presale may not be available to residents of all jurisdictions. It is the responsibility of each participant to ensure compliance with their local laws and regulations.

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