$GEODNET

Architecting the Centimeter-Level Future

Investment Thesis

March 2026

Recommendation: **Strong Buy** | **Horizon:** 12–24 Months

Sector: DePIN / GNSS Corrections | **Chain:** Polygon (ERC-20) + Solana (Wormhole NTT)

Probability-Weighted EV: $0.43 | **Expected Return:** ∼3.5×

Contents

1. Trade Recommendation

GEODNET ($GEOD) represents the premier institutional-grade entry point into the Decentralized Physical Infrastructure Network (DePIN) sector, addressing the critical global bottleneck in high-precision GNSS corrections. By leveraging a permissionless, decentralized model, GEODNET has built a spatially dense, global Real-Time Kinematic (RTK) network at ∼1/100th of the CapEx of legacy centralized incumbents.

As the fundamental positioning layer for the "Physical AI" revolution—encompassing humanoid robotics, autonomous agriculture, and drone swarms—$GEOD is a high-conviction **long**. The protocol effectively *collateralizes the sky* by turning volatile space weather data into a yield-bearing, cryptographically secure asset.

Table 1. Asset overview as of March 9, 2026 (Artemis data).

Metric	Details
Ticker / Price	$GEOD / $0.1217
Market Cap / FDV	$53.45M / $121.73M
Circ. Supply / Max	438.78M (43.9%) / 1,000,000,000
30-Day Avg Volume	∼$241,976/day
ARR (90d Avg)	∼$2.33M
FDV / ARR	53.0×
90-Day Beta (ETH)	0.476
Recommendation	**Strong Buy** — 12–24 Month Horizon

2. Protocol Overview

High-precision navigation is hindered by "Space Weather"—ionospheric distortions that bend GNSS signals, causing standard GPS to drift by meters. GEODNET resolves this via **RTK** correction streams delivered through the industry-standard **NTRIP/RTCM** protocol, enabling plug-and-play centimeter-level accuracy with **zero hardware modifications** for end-users.

2.1 Network Architecture

- **Miners (Base Stations):** 15,000+ certified geodetic-grade GNSS stations across 142 countries / 4,377 cities, collecting raw satellite data and ionospheric observations.
- **Validators:** Run Proof of Location (POL) and Proof of Accuracy (POA) protocols to cryptographically verify data authenticity and resist spoofing attacks.
- **Service Nodes:** Transform raw data into NTRIP-standard correction streams for the $200B robotics and agriculture industries.

- **Value Accrual: 80% of all service fees programmatically buy back and burn $GEOD tokens**; 20% funds Foundation operations. This creates reflexive supply-side pressure that converts real-world usage into token scarcity (See Appendix A, Fig. 2).

2.2 Traction (Artemis Data)

- **Revenue:** ARR of $2.33M; peak monthly revenue of $378K in Q3 2025 (See Appendix A, Fig. 1).
- **Seasonality:** Q4–Q1 revenue declines (−14% to −49% QoQ) align with agricultural off-season. We project re-acceleration in Q2–Q3 2026 via ROVR launch and Multicoin-catalyzed B2B integrations (See Appendix B, Table 9).
- **Network Scale:** 15,000+ stations in <3 years vs. Trimble's 5,000 stations over 30 years.
- **Funding:** $15M raised (Multicoin Capital, North Island Ventures).

2.3 Tokenomics & Supply Dilution

The biggest risk to micro-cap tokens is hidden inflation, but **$GEOD has crossed the inflation chasm.** Unlocks accelerated heavily in 2025 (∼87M tokens/quarter); roughly 80% of the 1B max supply is economically unlocked as of early 2026. By the Q4 2027 exit horizon, the token is practically fully diluted—meaning future revenue growth accrues directly to price rather than being offset by insider dilution.

Table 2. Supply dilution matrix. Unlock pressure peaks in 2025 and exhausts by late 2027.

	Q1 '25	Q3 '25	Q1 '26	Q4 '27
Est. Circ. Supply	370M	500M	439M*	900M+
% of Max	37%	50%	43.9%	90%+

*Per Artemis MC-derived; effective economic unlock including vested-but-liquid tokens is ∼80%.

The annual halving schedule ensures mining emissions decrease as the network matures, shifting the valuation floor from inflationary rewards to the 80% revenue buy-back.

3. Investment Thesis: Collateralizing the Sky

GEODNET is the only cryptographically secure, spatially dense GNSS network capable of protecting location-aware applications from global jamming and spoofing threats. By providing "Proof of Location," it transforms raw atmospheric data into a verifiable digital commodity.

3.1 Catalysts

1. **Solana Migration (GIP-7):** Performance staking and deep liquidity sinks coinciding with peak Solana DeFi activity.

2. **ROVR "Cross-Burn":** Decentralized 3D mapping protocol where ROVR data sales simultaneously burn $GEOD.
3. **Physical AI:** $8M Multicoin Capital round (Feb 2025) betting on humanoid robotics requiring centimeter-level global precision.
4. **Quectel + USDA Partnerships:** Built-in pipeline across IoT and agriculture.
5. **DePIN Re-rating:** Institutional capital seeking high revenue-to-FDV ratios with physical moats.

3.2 Timeline

Duration: 12–24 months (exit target: Late 2027), allowing the 80% burn to outpace declining emissions toward a deflationary "Net-Positive" state.

Period	Milestone
Q1–Q2 2025	Humanoid / robotic-dog API partner expansion.
Q3 2025	Peak quarterly revenue ($976K); harvest demand validated.
Q4 2025	GIP-7 Solana migration; ROVR cross-burn launch.
Q2–Q3 2026	Seasonal re-acceleration; 100K-station ramp.
Q4 2026	Full Global RTK; $5B/yr correction market consolidation.

4. Comparable Projects & Relative Valuation

Table 3. Master comparables matrix (Artemis data, March 2026).

Asset	MC	FDV	ARR	FDV/ ARR	β_{90} (ETH)	CapEx / Station
GEODNET	**$53M**	**$122M**	**$2.33M**	**53×**	**0.476**	**$695 (one-time)**
Akash	$111M	$149M	$108K	1,376×	1.031	N/A
Helium	$217M	$259M	—	—	—	N/A
Render	$711M	$883M	—	—	—	N/A
Filecoin	$708M	$1.82B	—	—	—	N/A
Legacy (Trimble)	*$15B+ mkt val*		—	—	—	*$25,000/yr*

The data speaks for itself: GEODNET generates **21× more revenue** than Akash yet trades at a *lower* FDV. On a FDV/ARR basis, GEODNET is 26× cheaper. It exhibits half the systematic risk ($\beta = 0.476$ vs. 1.031) and implements an 80% deflationary burn that Akash entirely lacks. Against TradFi, GEODNET's $695 one-time hardware cost vs. $25K/yr per legacy station constitutes a ∼35× structural cost moat that centralized firms cannot match without catastrophic balance-sheet expansion (See Appendix A, Figs. 3–5).

5. Valuation & Price Target

5.1 TAM

The high-precision GNSS correction market is a $3.4B industry, expanding into the $38B+ humanoid robot and $200B robotics markets by 2030–2035.

5.2 Fundamental Floor

Using Artemis beta data, GEODNET's 90-day β of 0.476 vs. ETH yields a CAPM discount rate of **35.4%** (R_f 4.5% + 0.476 × 65% crypto premium)—materially tighter than the 40–70% applied to $\beta > 1$ tokens. Treating the 80% revenue burn as shareholder yield and discounting 3 years of projected cash flows at this rate produces a **DCF floor of $0.103/token**—near today's $0.1217, confirming investors pay zero premium for growth optionality (See Appendix B, Tables 6–8 for full model).

5.3 Probability-Weighted Price Target

Using 1B fully diluted supply as the denominator (justified by the dilution matrix proving >90% unlock by exit):

Table 4. Price target matrix with probability weighting.

Scenario	Prob.	ARR	Mult.	Price	Rationale
Bear	25%	$7M	15×	$0.11	Revenue stagnates; protected by burn floor.
Base	50%	$15M	25×	$0.37	B2B adoption. Low-β justified 25×.
Bull	25%	$25M	35×	$0.87	Solana + ROVR. DePIN premium multiple.
Probability-Weighted EV				**$0.43**	**3.5× expected return from $0.12 entry.**

6. Risks, Mitigation & Execution

Table 5. Risk matrix with structural mitigations.

Risk	Mitigation
Revenue Seasonality (Q4–Q1 declines of −14% to −49% QoQ)	B2B diversification via ROVR cross-burn and Multicoin-catalyzed integrations; Q2–Q3 re-acceleration historically validated.
Unlock / Insider Pressure (peak 87M tokens/qtr in 2025)	80% of max supply already economically unlocked; burn scales linearly with revenue to absorb residual selling.
GNSS Spoofing / Signal Integrity	POL time-challenge protocols make simulated data cost-prohibitive; multi-constellation cross-validation.
Regulatory Scrutiny (token classification)	$15M Strategic Treasury backstop; Wormhole NTT enables chain-agnostic compliance flexibility.
Liquidity (30d ADV ∼$242K)	Cap at 5% ADV ($12K/day); 20–30 day accumulation window. See execution plan below.

Tactical Execution Plan:

- **Primary Route:** Solana DEXs (Raydium / Jupiter) for maximum post-GIP-7 liquidity; secondary via Gate.io / MEXC during high-volume windows (See Appendix A, Fig. 6).
- **Sizing:** Deploy $10K–$15K/day at 5% of ADV; build $200K–$300K core position over 20–30 trading days.
- **Timing:** Accumulate during unlock windows when insider selling creates temporary liquidity surpluses and price dips.

7. Conclusion

GEODNET generates 21× more revenue than Akash at a *lower* FDV, exhibits half the systematic risk (β 0.476 vs. 1.031), and implements an 80% deflationary burn its closest peer entirely lacks. The supply dilution matrix proves the worst inflation is behind us. At $0.43 EV against a $0.12 entry, the transition from digital intelligence to physical movement begins with centimeter-level precision—and **$GEOD is the layer that enables it.**

A. Figures

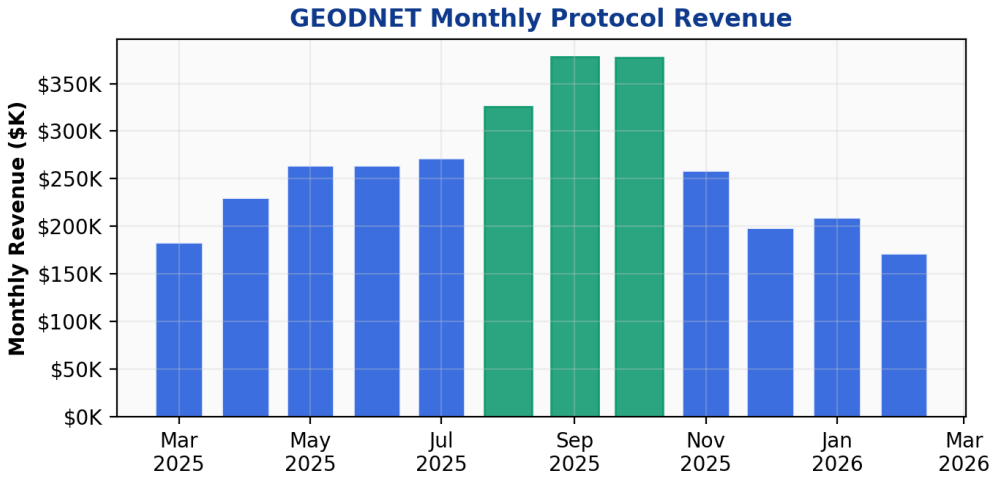

Figure 1. GEODNET monthly protocol revenue. Green bars denote months exceeding $300K. Agricultural seasonality drives the Q4–Q1 dip.

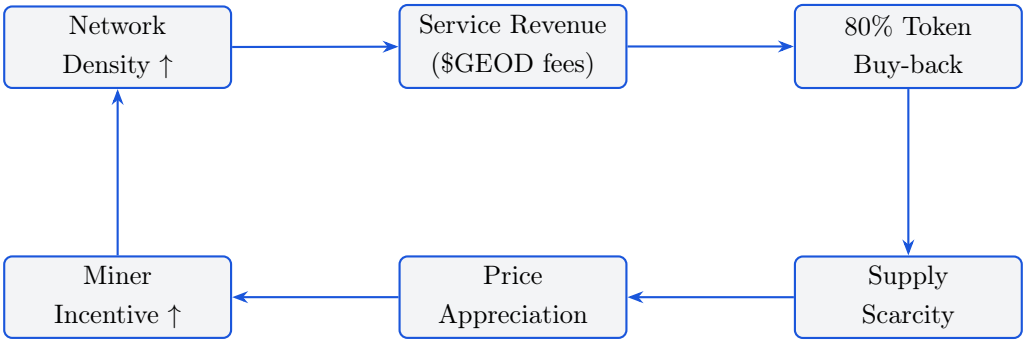

Figure 2. The GEODNET value-accrual flywheel.

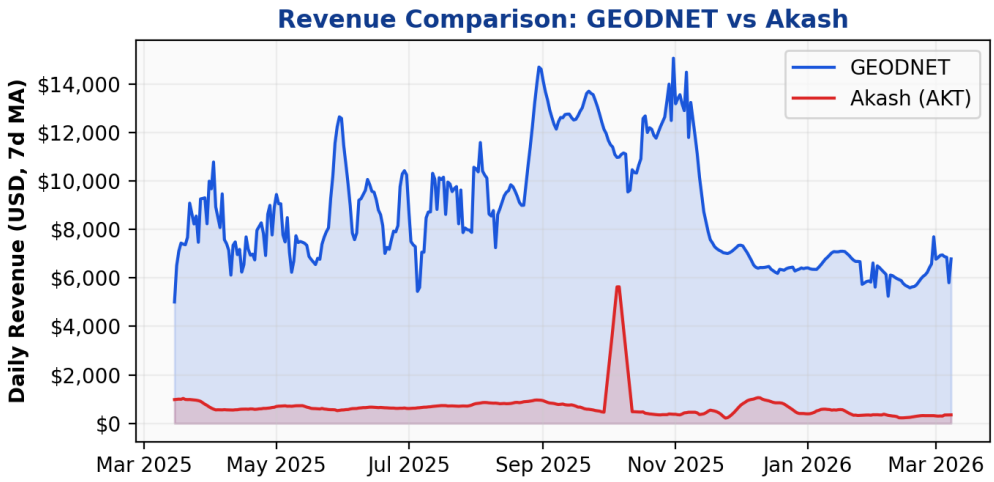

Figure 3. Daily revenue (7-day MA): GEODNET vs. Akash. GEODNET consistently generates 10–30× more revenue.

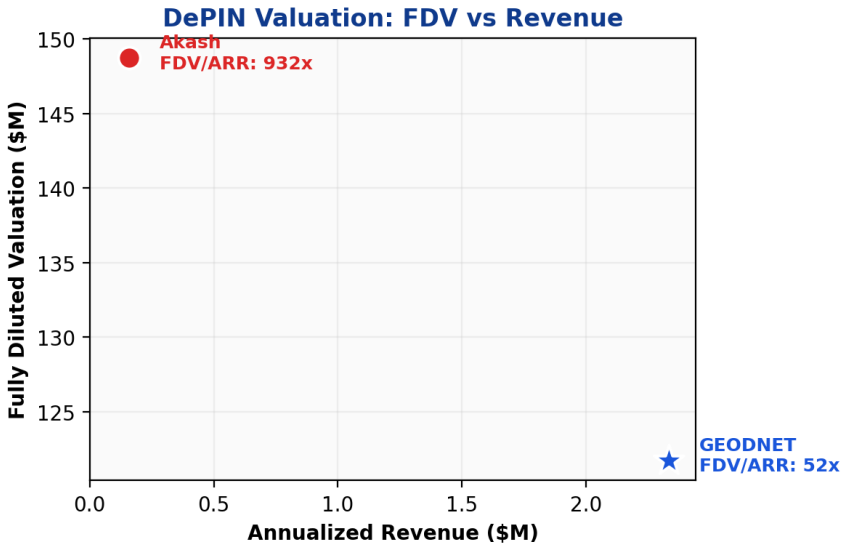

Figure 4. FDV vs. annualized revenue. GEODNET's position confirms deep undervaluation relative to Akash.

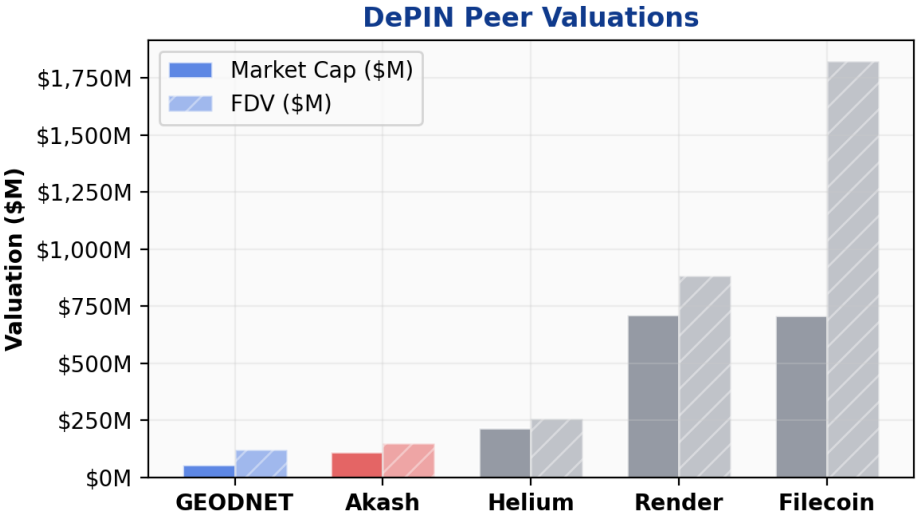

Figure 5. DePIN peer valuations. GEODNET is the smallest by MC and FDV despite superior revenue generation.

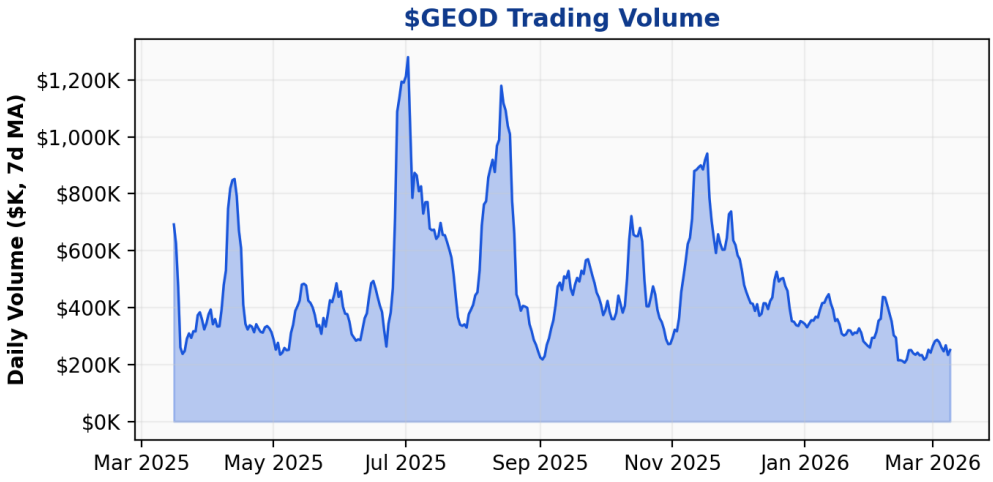

Figure 6. $GEOD daily trading volume (7-day MA). Volume spikes provide optimal accumulation windows.

Figure 7. $GEOD price and FDV over 12 months. FDV compression from $318M to $122M represents unlock-driven repricing.

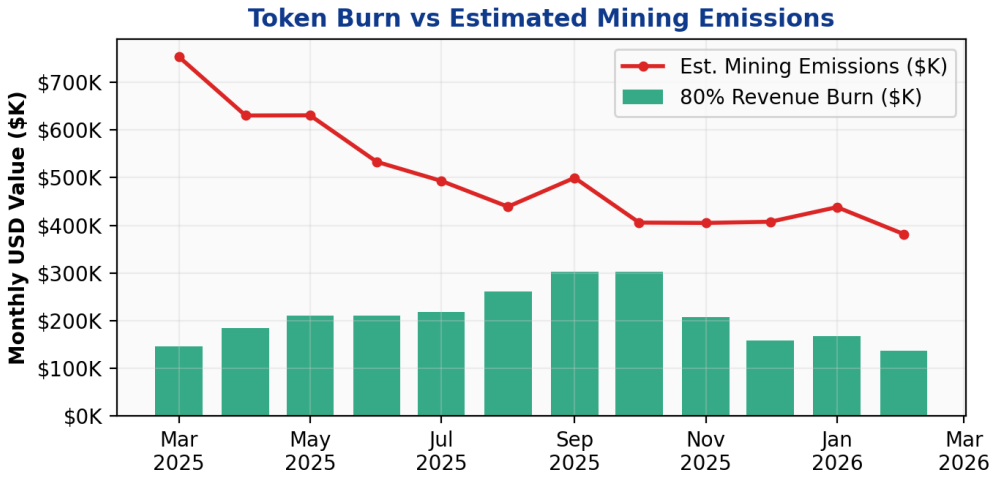

Figure 8. Monthly 80% revenue burn (green) vs. estimated mining emission value (red). The gap narrows toward a deflationary crossover.

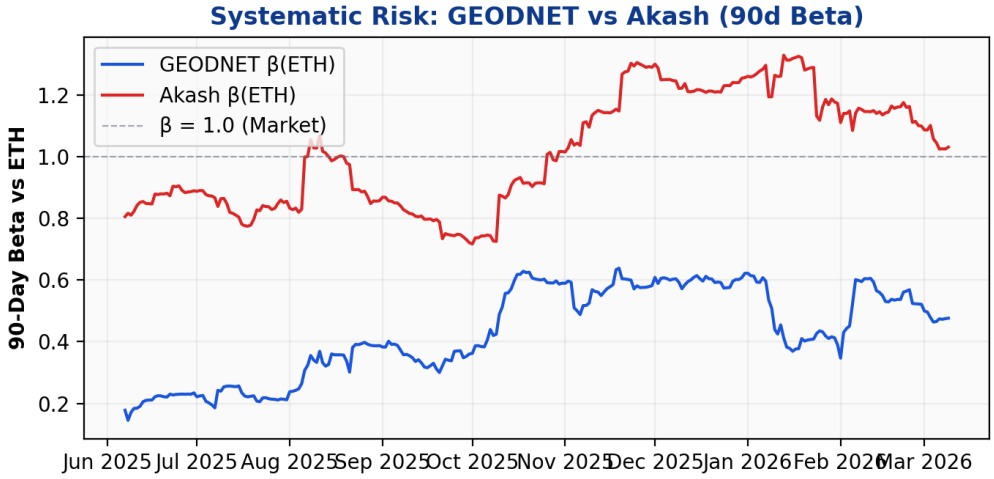

Figure 9. 90-day rolling Beta vs. ETH. GEODNET consistently below 0.5; Akash at ∼1.0. Justifies tighter CAPM discount rate.

B. Financial Modeling Data

Table 6. CAPM discount rate derivation (Artemis beta data).

Parameter	Value	Source
Risk-Free Rate (R_f)	4.5%	US 10-Year Treasury
Crypto Premium ($R_m - R_f$)	65%	Historical ETH excess return
GEODNET 90d Beta (β)	0.476	Artemis (vs. ETH)
CAPM Rate	**35.4%**	$R_f + \beta(R_m - R_f)$

Table 7. DCF model: 80% burn as shareholder yield, discounted at 35.4%.

Metric	Year 1	Year 2	Year 3	Terminal
Projected ARR	$3.5M	$8.8M	$15.0M	$20.0M
80% Burn	$2.8M	$7.0M	$12.0M	$16.0M
PV of Burn (35.4%)	$2.07M	$3.82M	$4.84M	—
Sum of PV (3-Year)				$10.73M
PV of Terminal Value				$92.1M
Implied Fair Value				**$102.8M**
Per Token (1B FD)				**$0.103**

Table 8. DCF sensitivity: price per token by ARR target and discount rate.

	Year 3 ARR Target		
Discount Rate	**$10M**	**$15M**	**$25M**
30%	$0.09	$0.13	$0.21
35.4% (CAPM)	$0.07	$0.10	$0.17
40%	$0.06	$0.09	$0.14

Table 9. Quarterly revenue from Artemis on-chain data.

Quarter	Total Rev.	QoQ Growth	Avg Daily
Q1 2025 (partial)	$183,477	—	$7,977
Q2 2025	$758,553	+313.4%	$8,336
Q3 2025	$975,684	+28.6%	$10,605
Q4 2025	$835,385	−14.4%	$9,080
Q1 2026 (partial)	$428,898	−48.7%*	$6,401

*Incomplete (67/90 days); projected full-quarter: ∼$576K.

C. Glossary

Term	Definition
DePIN	Decentralized Physical Infrastructure Network
GNSS	Global Navigation Satellite System
RTK	Real-Time Kinematic — carrier-phase positioning technique
NTRIP	Networked Transport of RTCM via Internet Protocol
POL / POA	Proof of Location / Proof of Accuracy
ICM	Internet Capital Markets
FDV / ARR	Fully Diluted Valuation / Annualized Run Rate
CAPM / DCF	Capital Asset Pricing Model / Discounted Cash Flow
ADV	Average Daily Volume
NTT	Native Token Transfer (Wormhole framework)
ROVR	Decentralized 3D Mapping Protocol (GEODNET ecosystem)