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LoRa Alliance®



Sais-tu ce qu'est un réseau décentralisé ou comment le Web3 va chamboulé les télécoms ?

AZUR TECH *Winter*



Helium is the world's largest people-powered wireless network.

TOP HOTSPOTS >

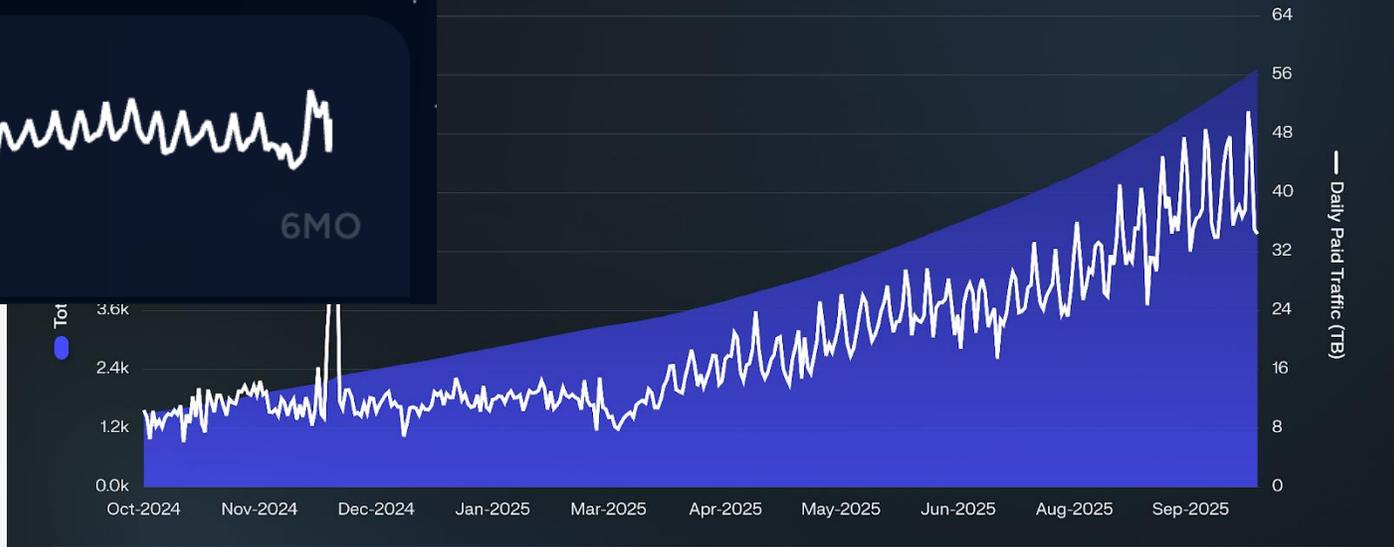
TOP REGIONS >

DAILY USERS

1,679,098



paid traffic grew 57.3% QoQ to 32.4 TB



Data as of: September 30, 2025

Source: Dune (@helium-foundation)

Note: Paid Traffic is defined as the amount of data paid for that is sent through Helium Mobile Hotspots.

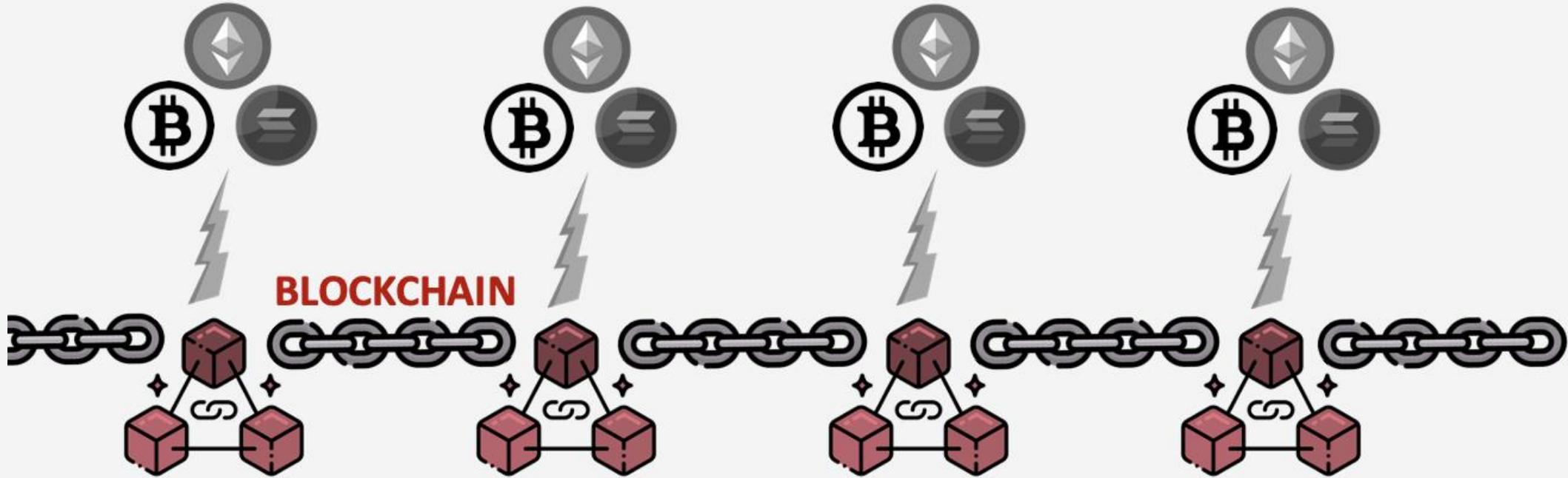


Helium is a DePin

**Decentralized
Physical
Infrastructure
Network**

A CRYPTO ASSET is a product and a fuel of the blockchain execution

CRYPTO ASSETS



A BLOCKCHAIN is a technology

- It stores transactions, contracts
- It creates trust with math & algorithm



Systemic vs Algorithmic



A *trust system* built around a state (or cross-state organization) and laws is interdependent and strengthens as it grows, yet remains fragile



An *algorithmic trust* will autonomously create trust based on its own set of rules (smart contract) that are mathematically verifiable, without human intervention.



Telco Main Processes

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Subscribe



Deploy

Distributed Subscription

Multiple operators...
Kind of MVNO

But with transparent price



HeyIoT
Helium IoT Service Provider



LONESTAR
TRACKING
Track Anything, Anywhere.



Gristle King



Distributed deployment

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Kill run cost
Kill investment
Ensure reliability

Crowdsourcing





30k GW deployed
15k Crowdsourced
~20k active (?)



> 1.000.000 IoT devices



1000k GW deployed
1000k Crowdsourced
360k active

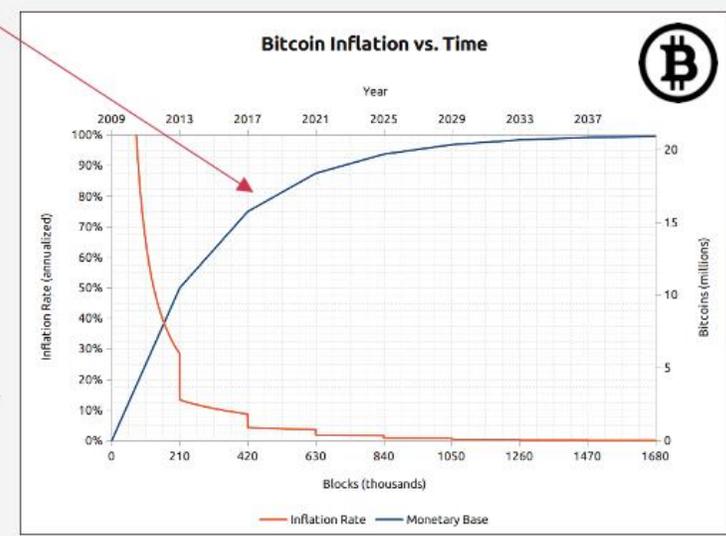
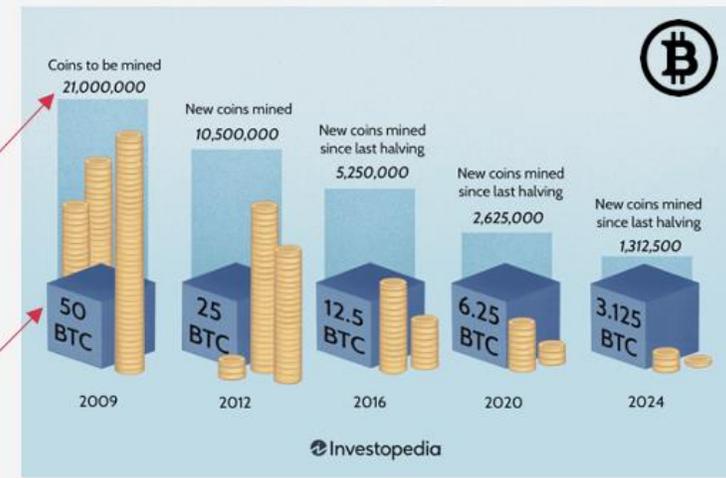


> 400.000 IoT devices
> 1.600.000 smartphone

Blockchains generate...

Tokens

- Have a Market Value
- Can be exchanged
- Represent a voting power
- Have a finite quantity
- Have a scheduled distribution
- Can be destroyed

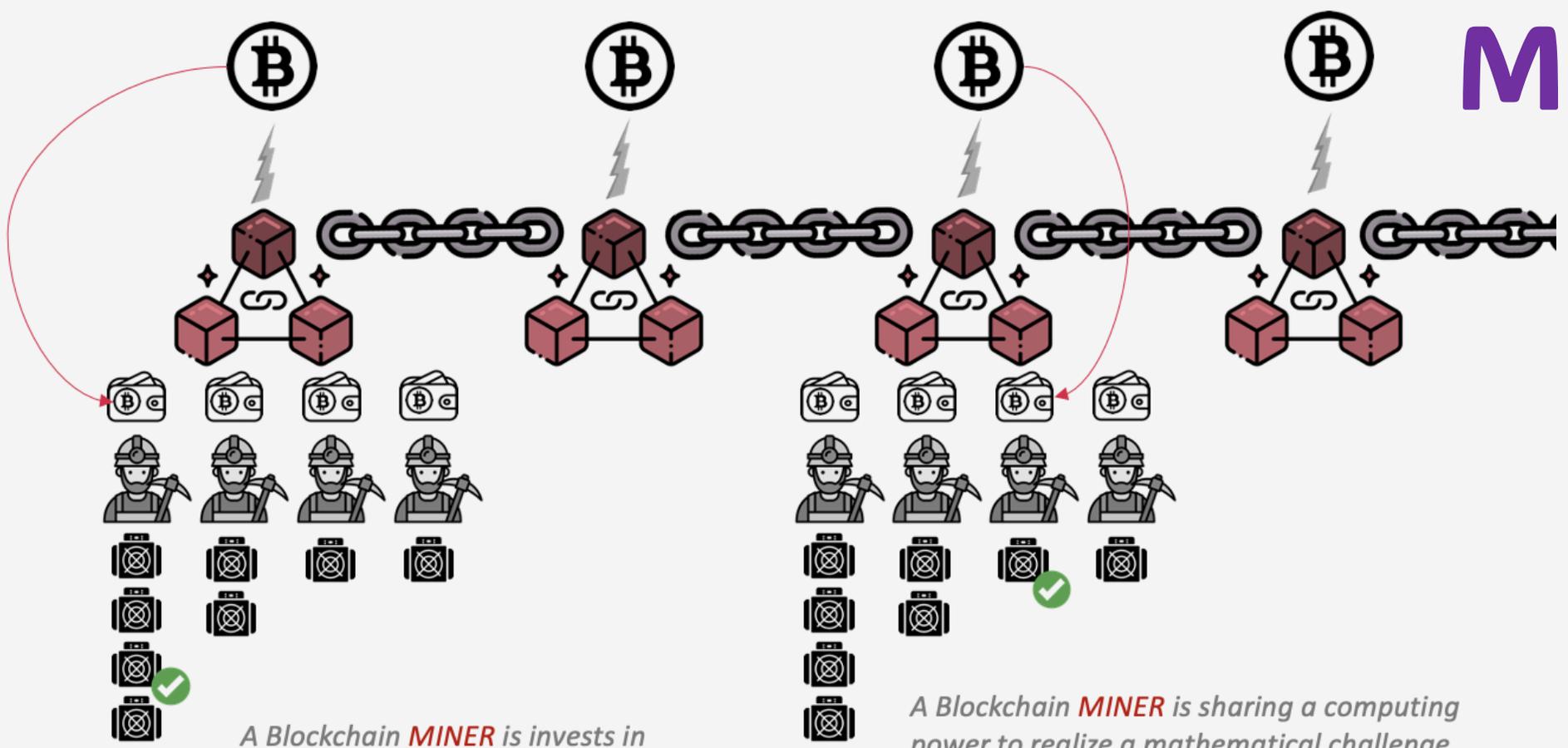


A Blockchain **TOKEN** is closer to **stock** than a currency. Stocks are distributed to worker in relation to their work (Scop – cooperative production company / worker cooperative)

A Blockchain **WHITE PAPER** defines the **TOKEN's** creation rules, distribution rules, total quantity, halving schedules...



Mining



A Blockchain **MINER** invests in **HARDWARE** (dedicated like ASIC or generic like GPU), hosting and **POWER**



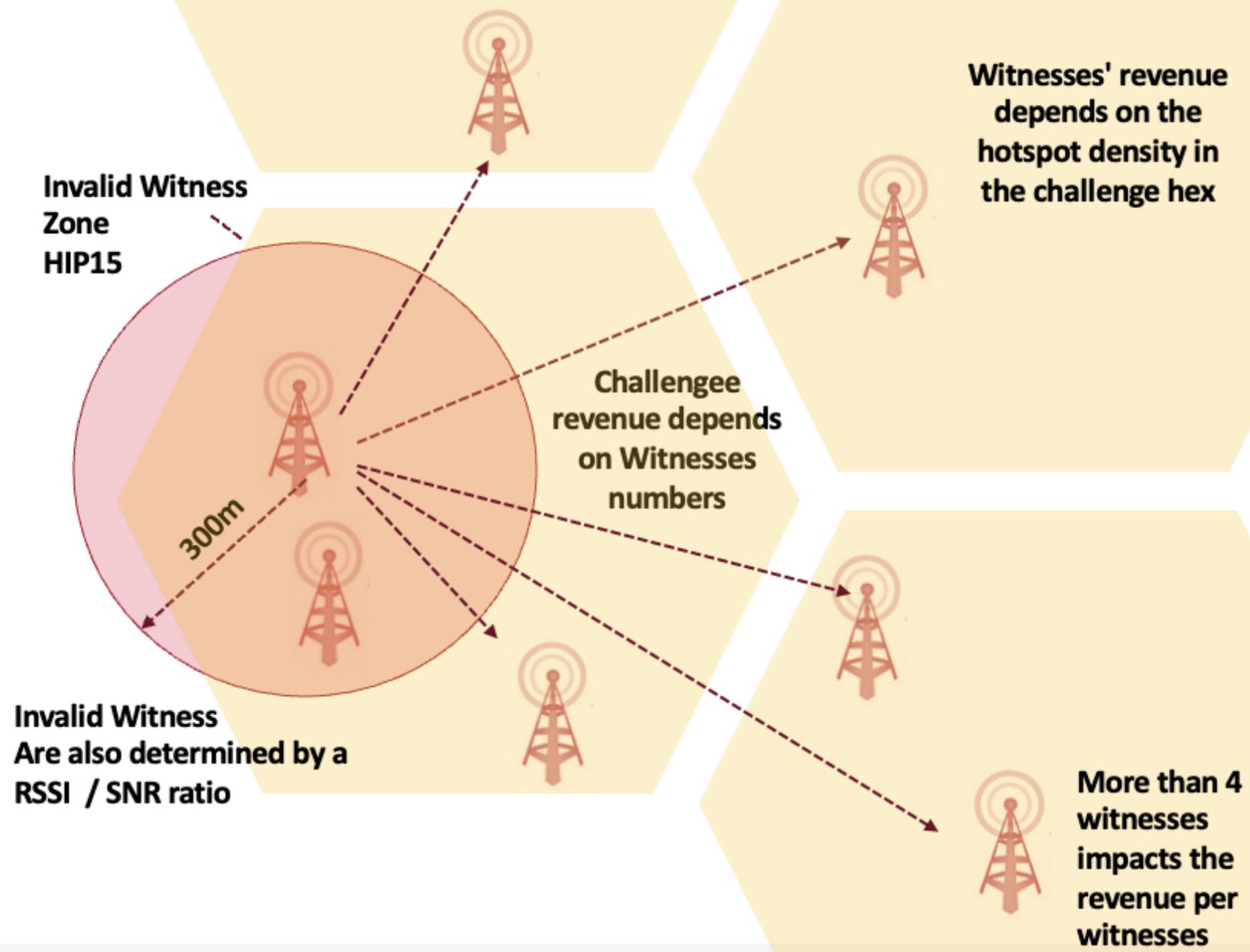
A Blockchain **MINER** is sharing a computing power to realize a mathematical challenge (Proof of Work - PoW). The first one to successfully realize the mathematical challenges get Tokens as reward.

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Proof Of Coverage

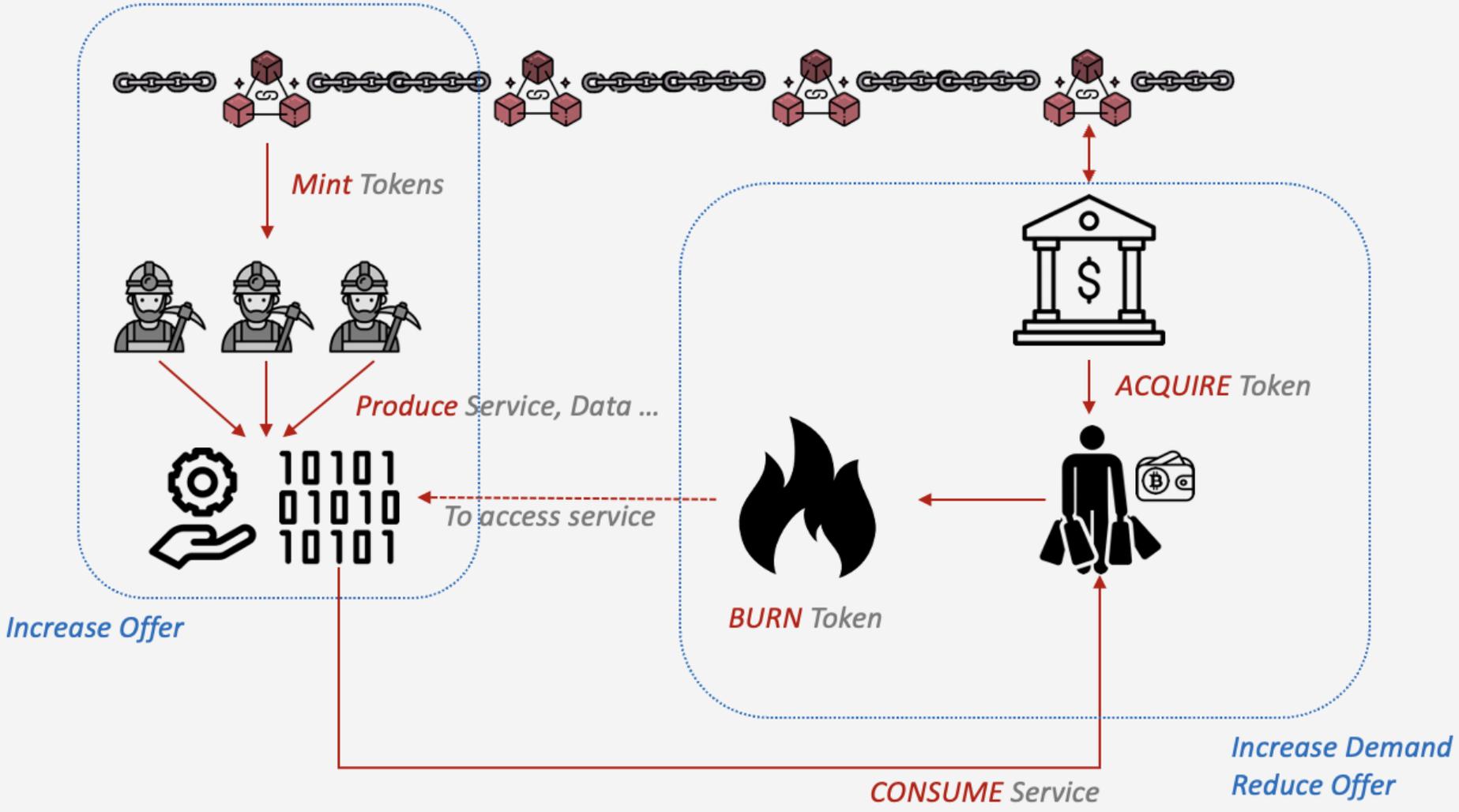
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Demand is driven, long term, based on

Burn & Mint equilibrium

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And.. On a subscription standpoint ?

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Save \$15/mo. with 2 lines

Starter Monthly
\$40/mo. for 1 line with AutoPay
 \$45 for the first month + taxes & fees.

Our best plan for light data users.

- 5-year price guarantee
- 15GB of premium data with unlimited 2G after
- Unlimited talk and text
- AutoPay monthly discount
- Share your premium data as a mobile hotspot
- T-Mobile Tuesdays
- MLB.TV (when available)
- MLS Season Pass
- Scam Block

Pick your plan

Pick a plan and you're in
 However you want to live and stay connected, we've got you

1 line: Average price per line \$85.00 | 2 lines: Average price per line \$70.00 | 3 lines: Average price per line \$46.67 | 4 lines: Average

Experience Beyond

Get a 3rd line FREE

~~\$105~~ **\$100/month**
 for 1 phone line + taxes and fees

- up to \$35 device connection charge per line
- AutoPay discount using an eligible account method required
- 5-Year Price Guarantee¹
- Upgrade-ready every year
- T-Satellite included⁴
- Unlimited premium data on the Best Mobile Network¹
- NetflixTM Standard with ads ON US
- Apple TV+ ON US
- Hulu ON US
- Watch & tablet lines just \$5/month³
- Unlimited mobile hotspot included⁴
- Unlimited text, 30GB of high-speed data in Canada & Mexico

Experience More

Get a 3rd line FREE

~~\$99~~ **\$85/month**
 for 1 phone line + taxes and fees

- up to \$35 device connection charge per line
- AutoPay discount using an eligible account method required
- 5-Year Price Guarantee¹
- Upgrade-ready every two years
- Unlimited premium data on the Best Mobile Network¹
- NetflixTM Standard with ads ON US
- Apple TV+ ON US
- 60GB of high-speed mobile hotspot data included
- Unlimited text, 15GB of high-speed data in Canada & Mexico
- Unlimited text, 5GB of high-speed data in 215+ countries & destinations
- Full-texting and Wi-Fi with streaming

Telco vs Web3

~60% reduction

Broadband Facts

Helium Mobile
 Plan Air
 Mobile Broadband Consumer Disclosure

Monthly Price \$35.00
 This monthly price is not an introductory rate. This monthly price does not require a contract.

Additional Charges & Terms

Provider Monthly Fees	None
One-Time Purchase Fees	None
Early Termination Fee	None
Government Taxes	Varies by Location

Discounts & Benefits None

Speeds Provided with Plan

Typical Download Speed	88-418 Mbps (5G)
Typical Upload Speed	6-31 Mbps (5G)
Typical Latency	17-32 ms

Data Included with Monthly Price 10 GB
 Charges for Additional Data Usage: None. Additional data may be purchased for \$7.50/GB

Network Management Policy https://helium.com/network_management_policy

Privacy Policy <https://helium.com/privacy>

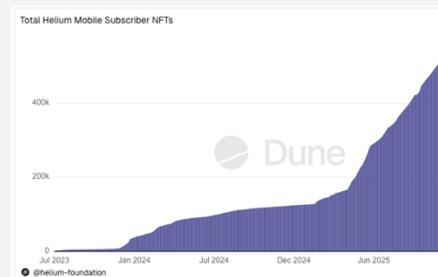
Customer Support
 Website: <https://support.helium.com>

Learn about the terms used on this label. Visit the Federal Communications Commission's Consumer Resource Center. fcc.gov/consumer

Unique Plan Identifier: M0040972893530

Air
 10GB Data
 Unlimited Texts & Calls
 Perfect Plan for 85% of Americans
 No Contracts Ever
 Earn Rewards with Cloud Points

Now \$7.50/month for 4 months
 You save \$30



Broadband Facts

Helium Mobile
 Plan Infinity
 Mobile Broadband Consumer Disclosure

Monthly Price \$30.00
 This monthly price is not an introductory rate. This monthly price does not require a contract.

Additional Charges & Terms

Provider Monthly Fees	None
One-Time Purchase Fees	None
Early Termination Fee	None
Government Taxes	Varies by Location

Discounts & Benefits None

Speeds Provided with Plan

Typical Download Speed	88-418 Mbps (5G)
Typical Upload Speed	6-31 Mbps (5G)
Typical Latency	17-32 ms

Data Included with Monthly Price 36 GB
 Charges for Additional Data Usage: None

Network Management Policy https://helium.com/network_management_policy

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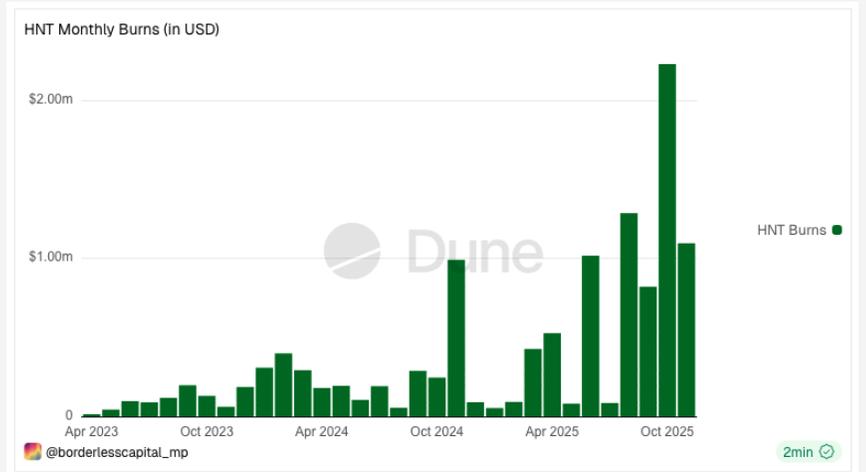
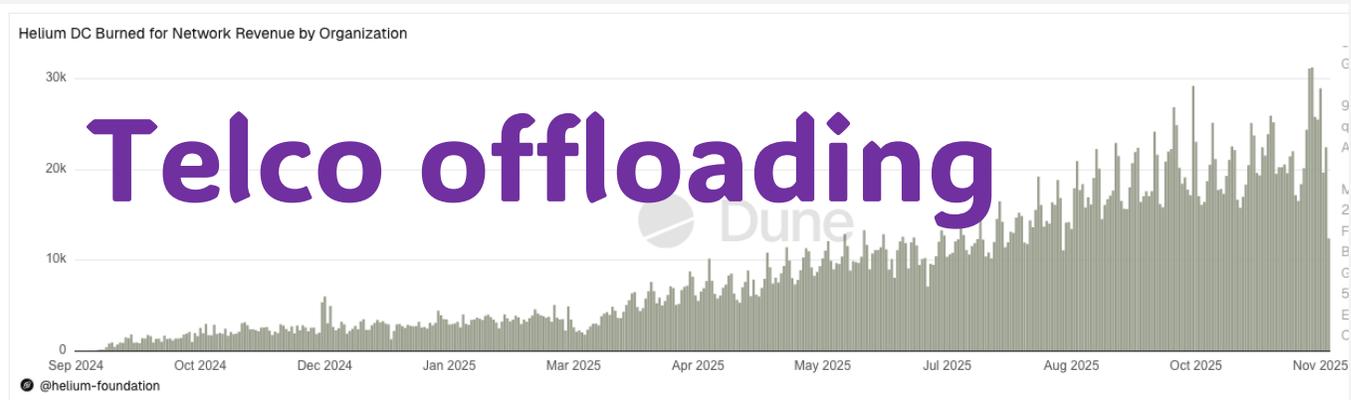
Unique Plan Identifier: M00409728935UNLIMITED

Infinity
 Unlimited Data
 Unlimited Voice & Texts
 No Phone, No Work, No Ads
 No Contracts Ever
 Earn Rewards with Cloud Points

Now \$15/month for 4 months
 You save \$60

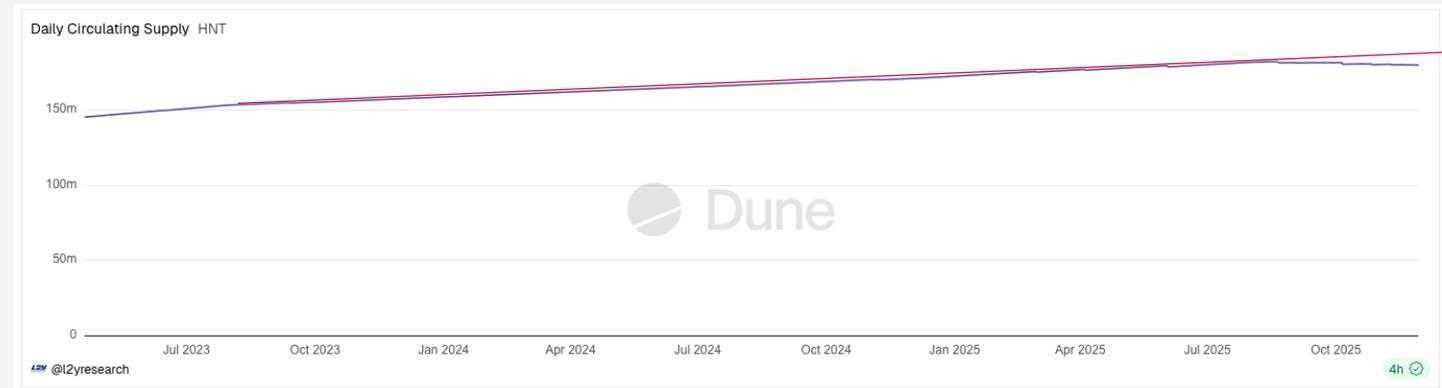
Economically speaking ?

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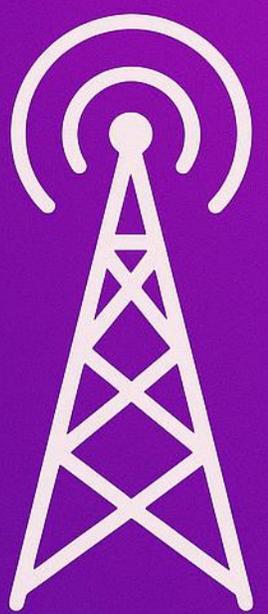
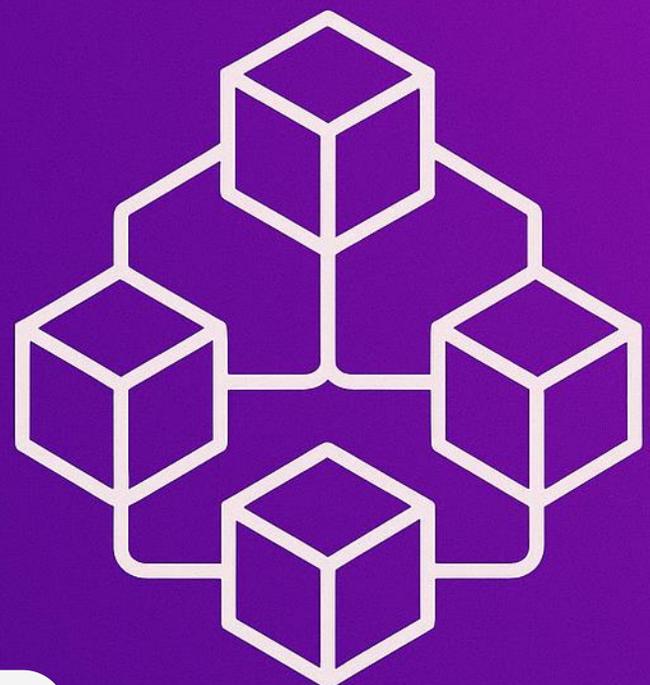
The first deflationist Blockchain

Due to token value and volume of burn, the net quantity of token is currently negative



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Thank you!



Questions ?



AZUR TECH *Winter*