

GasLedger Whitepaper

*World's Most Vital
Resource, Tokenized.
2025*



Introduction

Natural gas is one of the world's most critical resources, supplying around **23% of global energy needs** and producing over 4 trillion cubic meters annually. It is widely seen as the bridge between traditional fossil fuels and renewable energy—cleaner than coal and oil, yet reliable enough to power economies at scale. Demand continues to grow, particularly in emerging markets, keeping gas a cornerstone of the global energy mix.

But the sector is not without challenges. **Price swings, geopolitical risks, and lack of transparency** often make gas markets unpredictable and hard to access. Participation has long been restricted to large institutions, leaving individual investors excluded from one of the world's most vital industries.

Blockchain changes this. By tokenizing real gas reserves, we can create transparent, liquid, and secure access to energy investments. Security tokens transform a traditionally closed market into one where investors worldwide can participate directly—bringing **clarity, accessibility, and global reach** to the gas industry.



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The role of gas in global economy

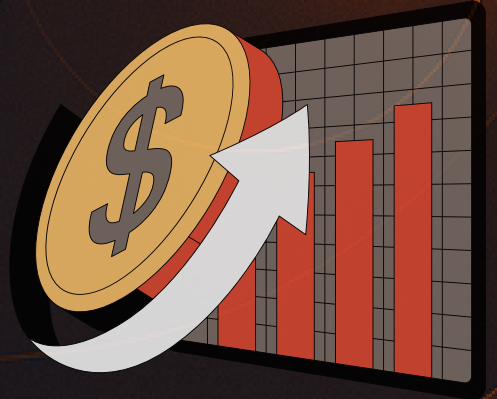
Natural gas is more than a fuel—it is an economic backbone. Supplying nearly a quarter of global primary energy, gas drives power generation, industrial production, heating, and fertilizers that sustain agriculture. The industry's value is measured in trillions of dollars, making it one of the largest and most resilient segments of the global economy.

Gas is also a **strategic commodity**. Major economies—Europe, China, and the U.S.—depend on it to balance renewable energy integration and to secure stable supply. Infrastructure networks of pipelines and LNG terminals link continents, while contracts and pricing often shape geopolitical relations. When gas prices move, entire industries and national economies feel the impact.

For investors, this makes natural gas not just an energy source but a **core driver** of global growth, trade, and stability. Its scale, liquidity, and necessity ensure long-term relevance—making it an asset class too significant to ignore.

Investments in the gas industry

The gas industry attracts hundreds of billions of dollars each year, from exploration and production to pipelines and LNG terminals. In 2023, global upstream gas investments topped \$130 billion (IEA), underscoring its role in meeting energy demand. Despite the rise of renewables, gas remains a priority for investors thanks to strong demand, reliable returns, and strategic importance.



Yet access to these opportunities has long been restricted to institutions. High entry costs, complex contracts, and low liquidity have kept individual investors on the sidelines—leaving one of the world's most vital asset classes largely out of reach.

Tokenization changes this. By tying digital security tokens to real gas assets, investments become transparent, fractional, and globally accessible. Blockchain ensures verifiable backing and efficient settlement, opening the gas industry to investors of any scale worldwide.



Main problems

While natural gas is essential to the global economy, investing in it comes with serious barriers and risks.



High entry thresholds

Major gas projects demand massive capital, often in the billions, and are structured around institutional investors. This excludes individuals and smaller players from participating directly.



Lack of transparency

Gas trading is dominated by long-term contracts, intermediaries, and political agreements. Information on pricing, reserves, and counterparties is often fragmented or inaccessible, leaving investors without clear visibility.



Geopolitical risks

Natural gas is a strategic commodity. Conflicts, sanctions, and supply disputes—such as those affecting Europe in recent years—can disrupt flows and create sudden market shocks.



Low liquidity

Traditional gas investments are tied up in infrastructure or long-term supply contracts, limiting the ability to exit or reallocate capital quickly. Investors often face multi-year lock-ins.

Our vision

Our vision is to transform natural gas into a borderless digital investment, bridging traditional energy with modern finance. This delivers both the stability of a proven global commodity and the innovation of blockchain-powered accessibility and efficiency.

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Blockchain and gas

Through **tokenization**, real gas reserves can be digitally represented as security tokens. Each token acts as a verifiable share of a physical resource, **backed** by blockchain records that cannot be altered. This ensures investors always know what they own, eliminating much of the uncertainty that exists in traditional energy markets.

Blockchain also enables **fractional ownership**, lowering entry barriers and allowing investors to participate at any scale. Smart contracts streamline settlements, reducing intermediaries and costs, while global accessibility makes investments borderless. The result is a system where gas assets become liquid, transparent, and open to a wider range of investors.



Main features



Token Listing on Regulated Exchanges

After the STO sale, the security token will be listed on licensed and compliant digital asset exchanges, allowing verified investors to buy, sell, or trade their tokens in a secure, regulated environment.

Fractional Ownership

Fractional ownership allows each token to represent a small, precise share of the total gold reserve, making investment accessible without purchasing entire bars. This approach provides the same security, auditability, and value as holding physical gold, but with greater flexibility and liquidity.



Transparent Asset Tracking

Blockchain ensures all project data, ownership records, and income flows are transparent and auditable by investors.

LedgerGas Tokenomics



What is a GSLD Token?

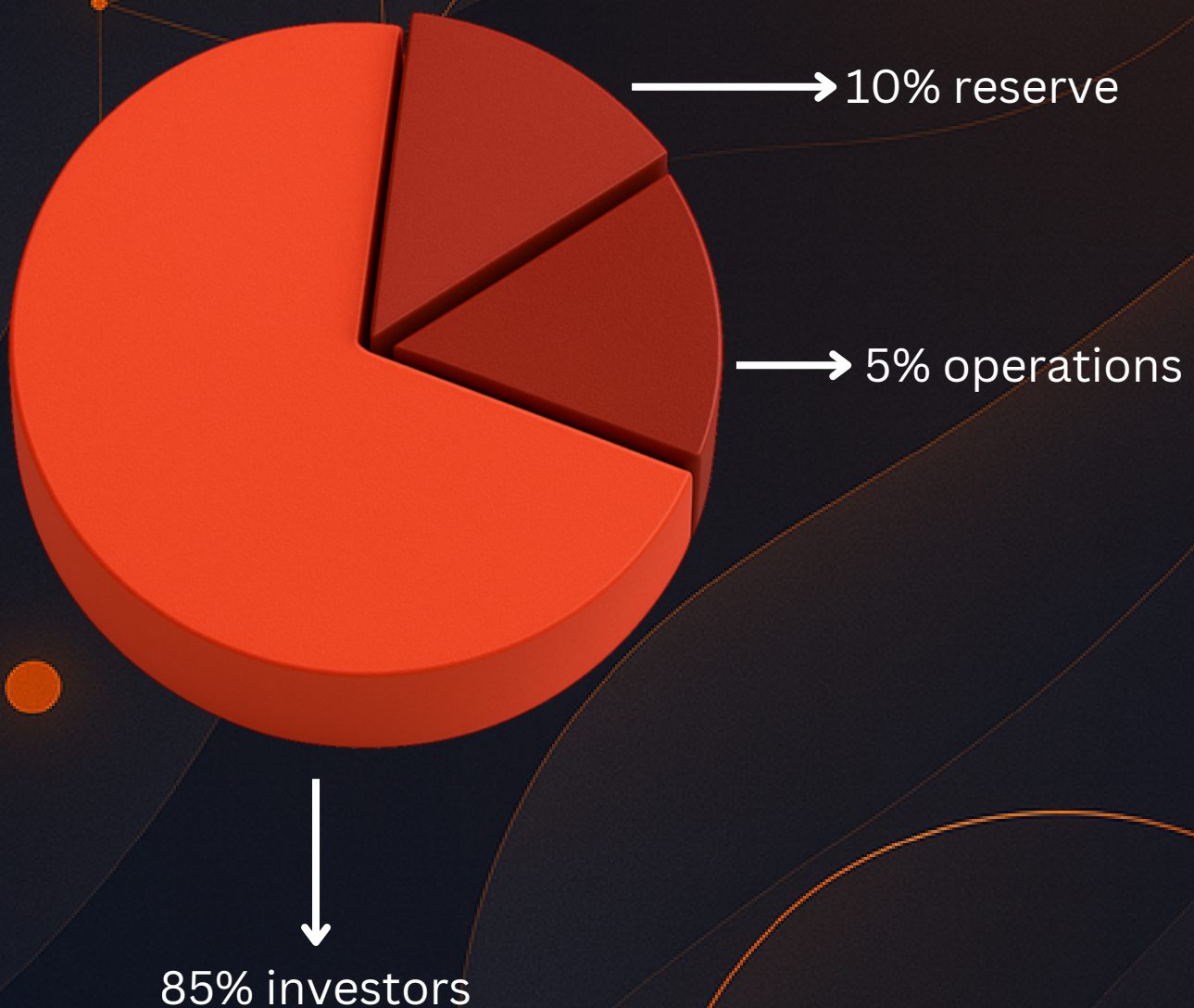
- Blockchain-based security token
- Backed by real natural gas reserves
- Each token = a verifiable share of energy assets
- Provides secure and transparent access
- Opens investment in a vital global commodity

Why is it special?

- Makes natural gas an accessible, liquid, and borderless investment
- Enables fractional ownership at any scale
- Ensures blockchain transparency and security
- Provides global tradability beyond traditional markets
- Combines the stability of real reserves with the efficiency of digital finance

LedgerGas Tokenomics

Token allocation
pie chart



Token name: GasLedger

Ticket symbol: GSLD

Blockchain: Ethereum (ERC-20)

Initial token price: \$0.01

Roadmap



Phase 1: Foundation and Preparation.

- Market Research and Feasibility
- Regulatory Compliance
- Partnership Development:
- Technical Framework
- Development
- Pre-Launch Preparation



Phase 2: Token Issuance & Implementation

- Industry Research
- Legal Framework
- Building Strategic Alliances
- Blockchain System Design
- Initial Launch Planning



Phase 3: Growth & Sustainability

- Portfolio expansion
- Technology Updates
- Sustainability Initiatives
- Ongoing Investor Engagement
- Long-term Value Creation

Conclusion

GasLedger delivers direct, secure, and transparent access to one of the world's most vital resources. By backing every token with real natural gas reserves, we combine the stability of a proven commodity with the innovation of blockchain.

Through tokenization, GasLedger removes the traditional barriers of high capital, complexity, and limited access. Investors gain fractional ownership, liquidity, and verifiable backing, making participation in the global gas industry simple and efficient.

The impact is a new era of investment—transforming natural gas into a borderless digital asset. GasLedger creates an inclusive, transparent, and scalable ecosystem where energy and finance connect seamlessly.



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