



SEALCOIN

Making the IoT Transactional

ENERGY USE-CASE

March 2025

A **DECENTRALIZED** FUTURE FOR ENERGY TRANSACTIONS



Energy

Secure device-to-device transactions and real-time trading



Storage

Optimized battery capacity automatically



Data

Trusted data turned into insights for monetization

EXCHANGE VALUE INSTANTLY



CHALLENGES IN ENERGY TRADING

Restricted Prosumers

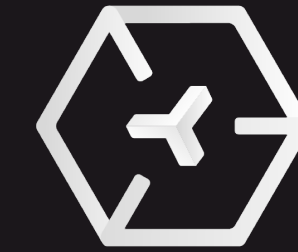
Renewable energy producers struggle to sell excess power efficiently

Limited Profitability

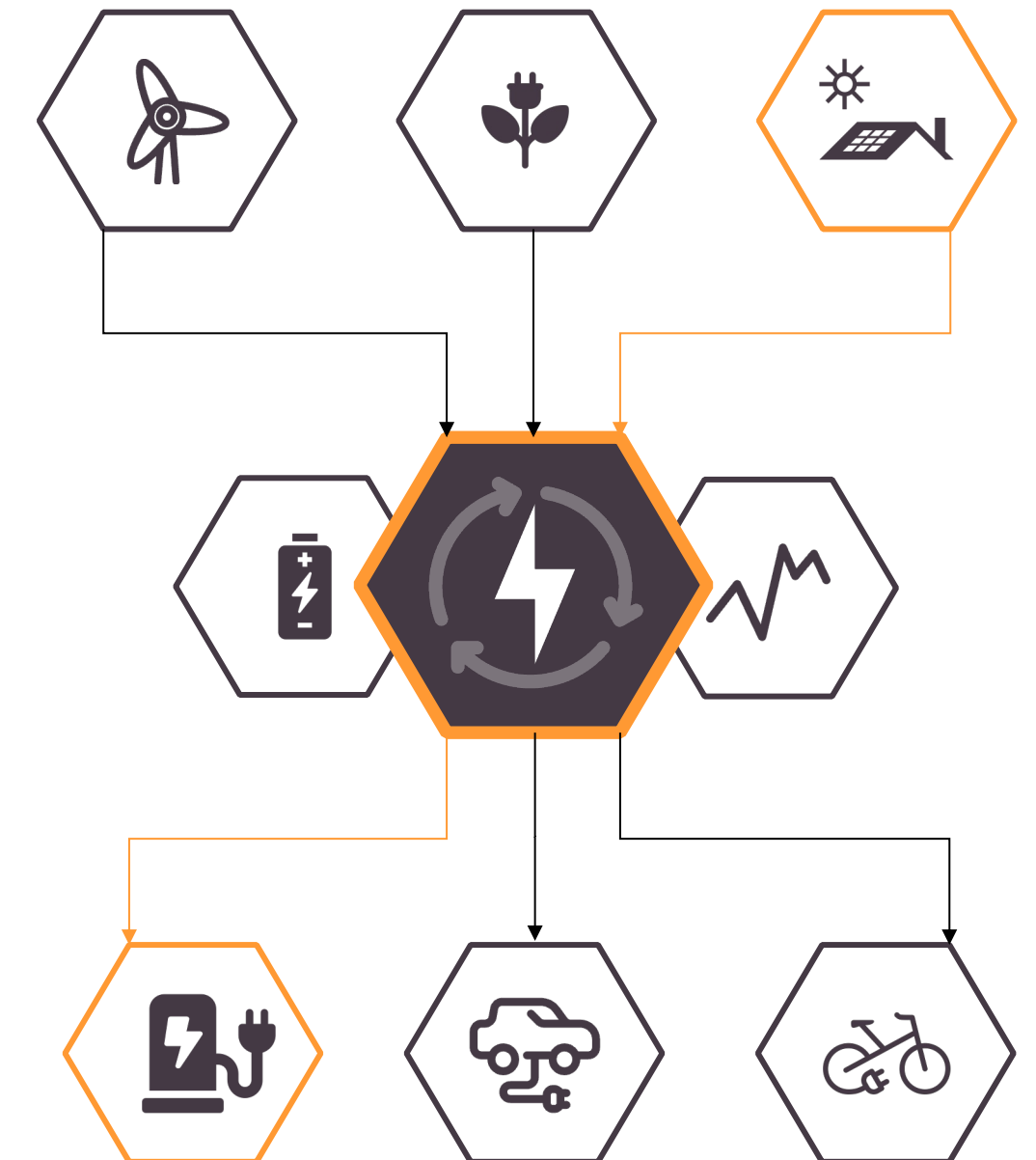
Low fixed rates from centralized grids operators

Reduced Market flexibility

Lack real-time transactions



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A solar panel owner trades excess energy **with local EV charging stations**, ensuring **fair pricing and instant settlements**.

OPTIMIZING ENERGY STORAGE

1

Buy Low

Batteries buy cheap energy or sell storage capabilities when demand is low

2

Store Efficiently

Manage capacity with Smart Contract & AI

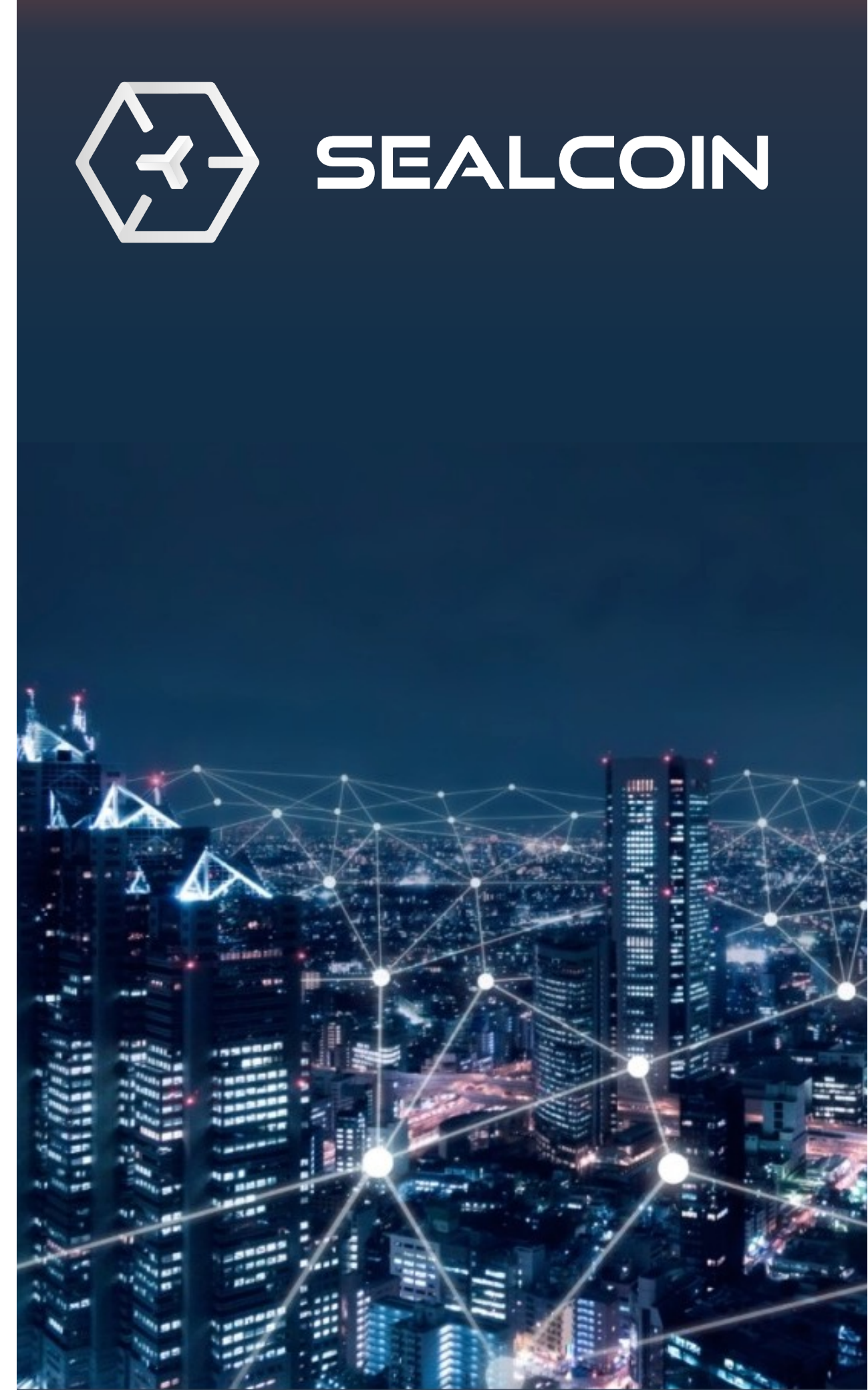
3

Sell High

Release power during peak demand periods, providing grid flexibility and maximizing profitability



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MONETIZING ENERGY DATA



Smart Meters

Home usage patterns become valuable assets



IoT Sensors

Device-level insights drive optimization



Industrial Grids

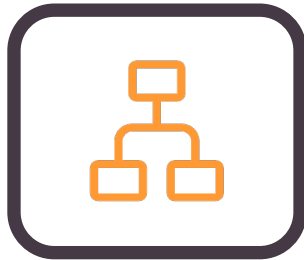
Large-scale data powers predictive models



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WHY SEALCOIN ?



Peer-to-Peer

Direct energy transactions without intermediaries



Grid Flexibility

Storage utilization maximized automatically



New Revenues

Unlocks income for individuals and businesses



Security & Transparency

Hardware, PKI with post-quantum algorithms and DLT



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JOIN THE FUTURE OF ENERGY

1

Partner With Us

Implement real-world PoCs in energy trading

2

Explore New Value

Unlock potential in energy, storage and data exchanges

3

Connect Today

Discuss collaboration opportunities

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Making the IoT Transactional

CONTACT US!

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