GuildOne

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EBX

ENERGY
BLOCK
EXCHANGE

A blockchain business
network for *high speed
transactions*

THE FIRST ROYALTY PAYMENT NETWORK BASED ON BLOCKCHAIN

Ever since the first well was bored on private land, oil and gas producers and landowners have exhausted valuable time, resources and money transacting royalty payments—and resolving disputes when agreements go south.

Fortunately, there exists a new technology to simplify royalty contract transactions and stem the flow of unnecessary costs.

Now common in financial and supply chain sectors, distributed ledger or blockchain technology has trust, efficiency and security built into its most basic operating rules.

Oil and gas technology provider GuildOne Inc. (GuildOne) is collaborating with progressive partners to deploy the first commercial network based on blockchain to settle royalty calculations, guided by two decades of helping energy stakeholders successfully manage and execute royalty claims.

A fully encrypted peer-to-peer transaction network based on R3's Corda blockchain platform, Energy Block Exchange (EBX) is focused on creating value by significantly reducing administration and disputes, and by automating trusted royalty payments.

Shifting royalty transactions from basic financial apps and clearing houses to an automated network can help companies leap ahead of competition, in all economic conditions.

BLOCKCHAIN EMPOWERS TRUST

HOW DOES BLOCKCHAIN TECHNOLOGY REDUCE THE COST, ERRORS AND DISPUTES ARISING FROM ROYALTY PAYMENTS?

Rather than each party entering the agreed-upon contract terms into their own separate system, EBX stores the contract terms onto the decentralized blockchain which is accessible by all parties. These negotiated, digital 'smart' contracts govern all transactions that flow from the contract.

Well advanced beyond its origin in finance, blockchain is offering frictionless commerce to many other sectors, including government, energy and entertainment to name but a few.

TAMING THE ROYALTY BEAST WITH ENERGY BLOCK EXCHANGE NETWORK

Now released in proof of concept, GuildOne's EBX network is providing a compatibility zone for our key industry partners to share secure smart contracts, settle royalty payments in Canadian or other fiat money and ensure rights and revenue completion.

EBX BUSINESS BENEFITS

- SHARE KEY FACTS
- VALIDATE ENTITLEMENTS
- ELIMINATE REWORK
- ELIMINATE DISPUTES
- INSTANT SETTLEMENT

EBX LAUNCH ROADMAP

With a solid, basic feature set modeled, tested and trusted by our partners, GuildOne and our partners will continue to enhance the business network step by step. Based on our vision of full capabilities for a broad community of partners, the following launch roadmap sets out our plan to develop this frictionless commercial network:

1. COMPLETE ROYALTY FEATURES

Our initial focus on royalty interests will be complete when clients can create, approve, change, publish, calculate and sustain royalty contracts, and manage their transactions, legal needs and extra-contractual relationships through a solid, reliable system.

2. ADD ASSETS, WORKING INTERESTS AND MEASUREMENT

Once the royalty features are fully developed, our focus will shift to adding further capabilities governing assets, working interests and measurement, fed by everything from meters to integrated sensors.

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3. BUILD THE PARTNER NETWORK

The EBX network will continue to evolve, as energy companies, royalty owners, landowners, First Nations, governments, regulators and other industry leaders adopt the new paradigm. Our network will get stronger as more users on more nodes are added, along with the full set of data each needs to transact royalty payments.

4. FULLY AUTOMATE

The ultimate vision for EBX is a fully automated solution that performs transactions based on contract terms, accessed by staff only when needed to enter contracts or verify payments.

EBX FULL CAPABILITY VISION

- CONTRACTS
- ASSETS
- VOLUMES/MEASUREMENT
- ROYALTIES
- WORKING INTERESTS
- PAYMENTS
- PRICES

PARTNER-DRIVEN NETWORK EXPANSION

Superior business solutions grow from broad participation and agile, real-life feedback. GuildOne has built and continues to expand a network of committed, expert partners in EBX.

TECHNOLOGY PARTNERS

The EBX network is based on R3's Corda blockchain platform with the flexibility to run on premise or on Amazon Web Services (AWS). EBX benefits from the strong business relationship established between R3 and AWS.

R3 captures the benefits of the public blockchain systems from which it draws inspiration, but with a critical difference: unlike traditional blockchain platforms, Corda eliminates information leakage

by only sharing transaction data with participants that require it. Notary nodes, not crowd-sourcing, verify trusted transactions. This ensures the confidentiality, privacy and security of trades for regulated financial institutions and business partnerships alike.

Network users also benefit from the scalability and low cost of AWS's fast, consistent and inexpensive cloud network services.

BUSINESS PARTNERS

Our initial partners represent a range of roles, including royalty payee (PrairieSky Royalty Ltd): payor (NAL Resources Management Ltd): and financial institution (ATB Financial), ensuring the network's success for all functions.

Our business partnerships have expanded to include additional oil and gas companies, such as Freehold Royalties Ltd, Crescent Point Energy Corp, and Tidewater Midstream and Infrastructure Ltd.

PROVINCIAL AND INTERNATIONAL PARTNERS

Provincial and national governments, acting as regulators, royalty holder for crown land, and tax collector for other royalty holders, will play a critical role in EBX. Private companies may authorize regulators and governments to view asset, volume and royalty information to streamline the currently onerous compliance and tax pay.

Interest in GuildOne's EBX network is quickly growing in Canadian provincial and federal governments and is expanding into the United States, Kenya and Mexico.

LANDOWNERS PARTNERS: FIRST NATIONS, RANCHERS & FARMERS

EBX represents an encoded assurance of mutual benefit. A prompt and equitable sharing of resource profits means that landowners no longer need to question the accuracy or timeliness of payments.

EBX: A NETWORK FOR ENERGY SMART CONTRACTS

- MAKE MORE INFORMED DECISIONS
- STREAMLINE BUSINESS PROCESSES
- RECOVER LOST REVENUE
- ACHIEVE COMPLIANCE
- YIELD BETTER BOTTOM LINE RESULTS

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AUTOMATING CONTRACTS BEYOND OIL AND GAS

EBX is hyper-efficient at encoding contracts, computing royalties and enacting payments. Where else are such functions beneficial? Any domain where owners are paid for their property, such as innovation, real estate, music and visual arts.

The blockchain concepts carry forward: by encoding a smart contract between parties and allowing all transactions to flow from those terms, each transaction becomes an unchangeable record that can be traced to its origins. With very little customization, EBX can serve many other industries and scale to internet-level transactions.

ABOUT GUILDONE LABS

A leading provider of innovative technology solutions since 2001, GuildOne has helped Canadian corporations reduce churn and errors, repair and streamline processes, and ensure revenue completion.

Our Machine Learning and Asset Exchange labs are currently hosting the co-development of blockchain and digital asset exchange technologies for use by government.

In collaboration with Massachusetts Institute of Technology (MIT) and the University of Calgary, we are studying the broader social questions around technology adoption and paradigm shifts.

GET IN TOUCH

As we evolve the EBX network, we are interested in talking with potential stakeholders, royalty creators and consumers across the energy industry and beyond. To learn more about completing trusted, efficient and secure royalty transactions, please get in touch.

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