



BLOC ENERGY

Energy Platform
WHITEPAPER

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Energy Assets & Logistics Platform

Powered by Blockchain & Smart Contract Technology

BlocEnergy specializes in the global refined oil and gas industry and is ready to disrupt “downstream” logistics (i.e. everything that happens after the drilling occurs, which pertains to the transportation and refinery of oil to gas). Today, this process is a tremendously cumbersome ordeal with lengthy, manual procedures, no transparency, and lots of red tape.

To ensure generation matches demand continuously and flawlessly, the BlocEnergy platform will:

- » **Enable the sharing of real-time consumption data through the blockchain (creating a smart demand-response program)**
- » **Make use of a highly-reliable system that will be able to match demand with supply in real-time, based on the criteria set by each party**

As such, BlocEnergy brings major benefits including:

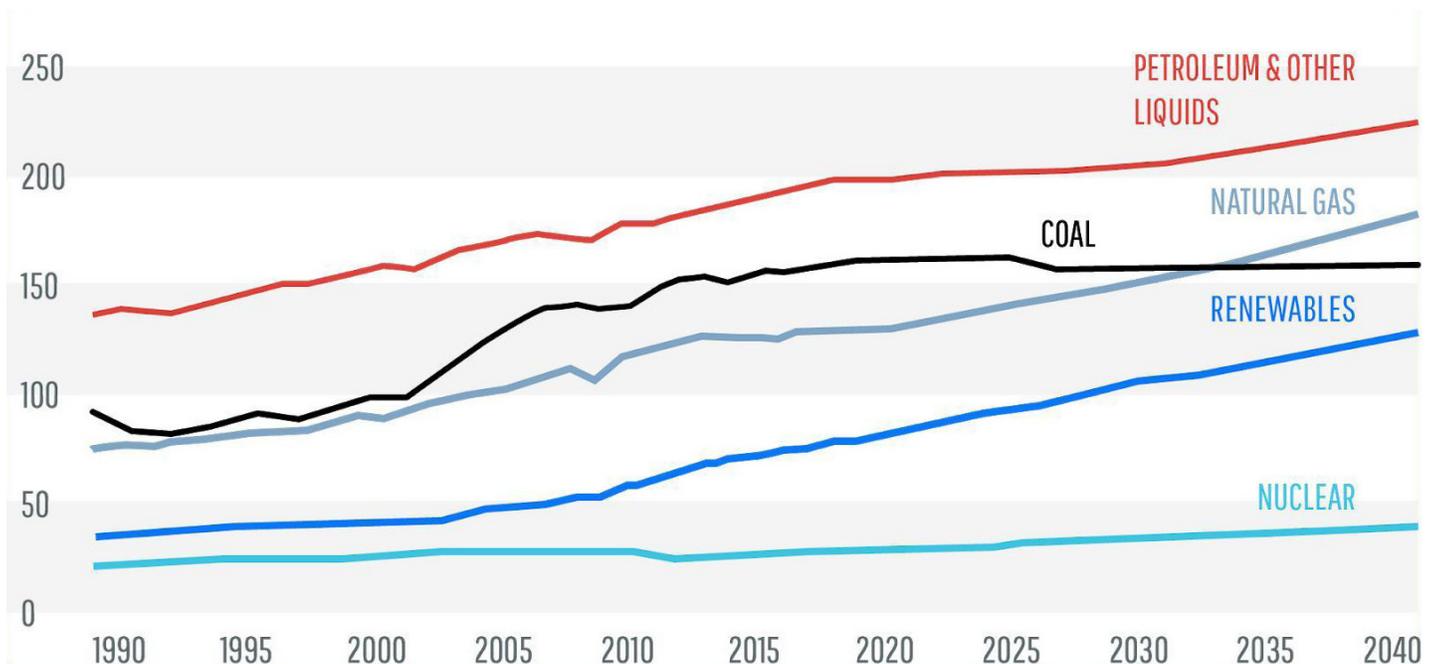
- » **Major cost reduction in comparison with all other energy transfer systems;**
- » **Quick transaction speeds;**
- » **Scalability, which leads to the expansion of participants and transactions;**
- » **Disintermediation, making business models possible that do not require intermediate parties.**



1. The World Energy Market

1.1 Outlook and Challenges

The global energy landscape is changing. Fast-growing, emerging markets are overtaking traditional centers of demand, while technological advances and environmental concerns are shifting the world's energy mix. Now--more than ever--the refined fuels industry must adapt in order to successfully fulfill the global, pressing need for demand. Refined fuels such as Ultra Low Sulfur Diesel (ULSD) and Jet Fuels will rise by 50% to 100%. This is largely due to rapid growth in emerging markets.



While each market member has its own unique set of requirements and products, the Refined Fuels market can be structured into the following categories of participants:

- » **Producers**
- » **Suppliers**
- » **Refined Fuels market operators**
- » **Transport and System Operators (TSOs)**
- » **Distribution System Operators (DSOs)**
- » **Refined Fuels traders**
- » **Final customers**

In regards to the nature of Refined Fuels and trading market frameworks:

- » **Producers may generate more or less energy than estimated and sold;**
- » **Customers may consume more or less energy than contracted;**
- » **Traders may buy more or less energy than they have sold.**

The Energy industry, through dramatic price fluctuations, completely rolls over every few years, developing completely new relationships and structures for energy supply:

- » **Suppliers need to find new buyers;**
- » **Buyers need to find new customers;**
- » **Facilitators need new assets in order to facilitate delivery and supply;**
- » **Everyone, continually, needs funding and credit facilities to operate.**

Energy imbalances are instances in which energy is bought from or sold to non-governmental transfer systems. For each trading period, two cash-out prices are used to settle such imbalances. Refined Fuels balancing arrangements, and in particular cash-out prices, provide incentives for producers and suppliers to invest in secure supplies which more effectively meet demand, especially when the systems are stretched to their limits.

Refined Fuels balancing arrangements are, therefore, pivotal in order to securely deliver the Refined Fuels in today's competitive market. In particular, cash-out prices are not providing the correct signals for the market to balance out itself, which increases supply security risks and undermines the balancing processes' efficiency--ultimately, unnecessarily increasing costs.

With that said, one of today's major issues is that service balancing mechanisms are overly complex, inaccessible to certain segments of producers or suppliers within workable time spans, and at times, simply unreliable.

BlocEnergy is solving these strategic challenges by creating and deploying a completely new, simple and transparent platform, which is designed to deliver real-value for every consumer. The BlocEnergy platform empowers consumers to find the best available supply solutions, while providing the consumer with a decentralized marketplace which functions on the transparency and full-disclosure of information facilitated by the blockchain.

1.2 INTERNATIONAL REFINED PRODUCT MARKETS

The market for refined products is growing. In particular, the demand for refined crude oil in Asia is rising rapidly, while in Europe and North America, regulations are driving the demand for lighter, higher-quality products with reduced sulphur content. Local oil markets need to be connected to the (fewer) global super refineries which are increasingly serving them. There is a growing need for physical infrastructure development particularly in fast-growing, underdeveloped markets, but also in mature markets where existing refineries are being converted to storage and distribution facilities.

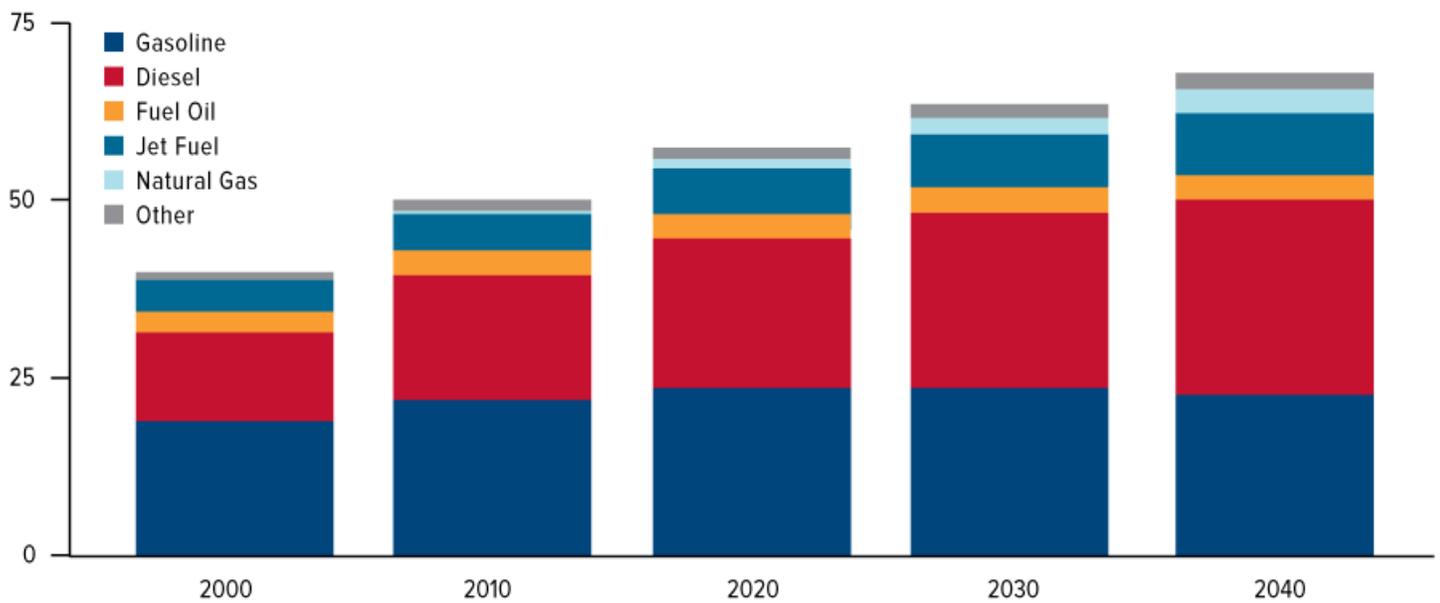
Petrochemicals and transport make up the bulk of oil demand. Due to this overwhelming need, hydrocarbons will continue to dominate for many years. In other sectors, however, there is greater opportunity for more abundant alternatives, most notably, natural gas.

1.3 GROWING REFINED PRODUCT MARKETS

Both Europe and North America’s increasingly stringent fuel regulations are largely responsible for driving demand for lighter, higher-quality products with reduced sulphur content. In Asia, however, burgeoning vehicle numbers are leading to increased demands for gasoline and diesel, most notably in China. Globally, the International Maritime Organization is limiting the sulphur content in maritime fuel; thus, ship operators progressively will be obliged to use less unrefined (residual) grades and, correspondingly, more higher-grade refined products, similar to diesel.

Global Transportation Demand by Fuel Type on the Rise

Million Oil-Equivalent Barrels Per Day



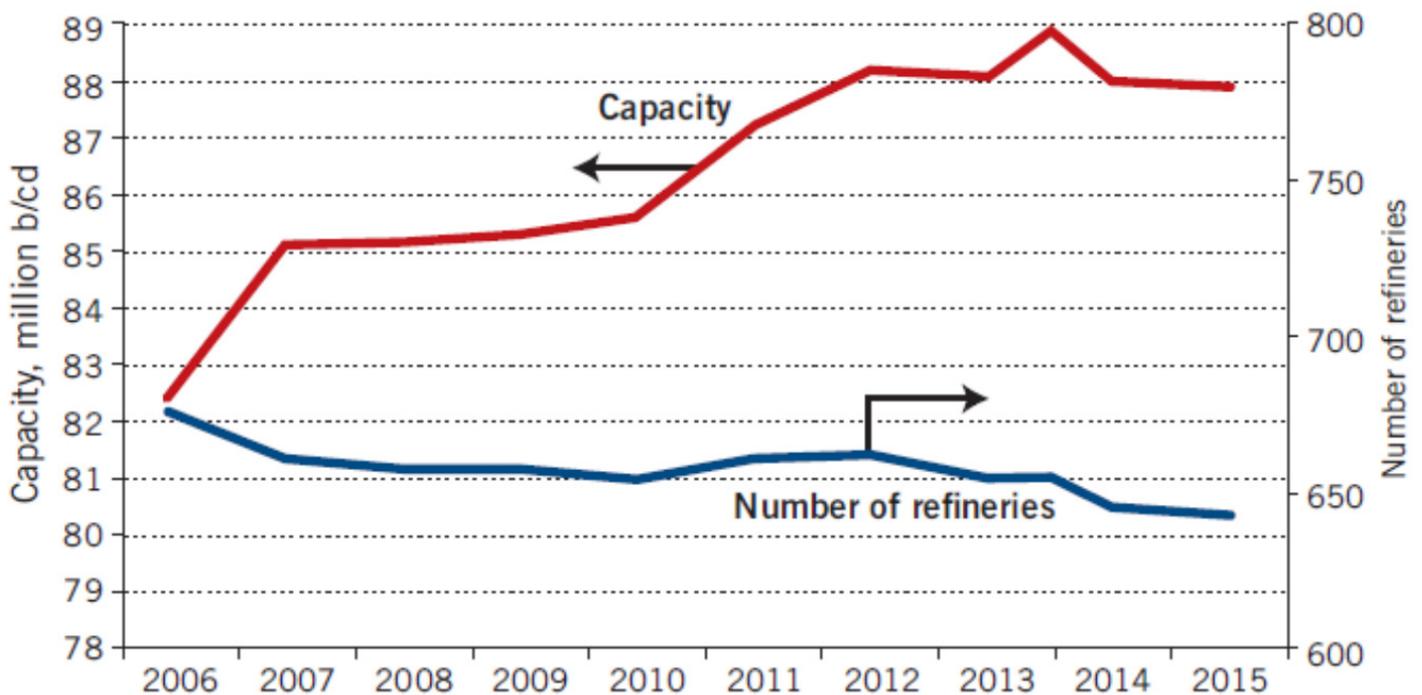
Source: ExxonMobil, U.S. Global Investors

1.4 IMPLICATIONS FOR TRADE, STORAGE, AND INFRASTRUCTURE

Today’s local oil markets, unlike those in the latter part of the 20th century, need to be connected to the (fewer) global super refineries which are increasingly serving them. The super refineries are often thousands of miles away from the ultimate market, meaning that significantly more refined product has to be moved around the world.

Transportation and storage roles are thereby increasingly becoming a mainstay of the global oil market. Products need to be shipped reliably and safely over large distances. Efficient hub-and-spoke refinery network and global operations offer great flexibility--allowing quick adjustments to increases or decreases in demand--as well as resilience to supply shocks and other market changes. Such operations can also maintain stability of supply in local markets. Developments in refined product markets imply a growing role for physical infrastructure development across countries and regions. Building fuel import infrastructure is an essential element for energy-thirsty countries to be able to handle distribution and storage of refined products. Demand for infrastructure development is strong in fast-growing underdeveloped markets, but also in mature markets who need to convert existing refineries into storage and distribution facilities.

WORLDWIDE REFINING*



*As of Jan. 1 of each year.



2. What Problems Does BlocEnergy Solve?

2.1 THE PROBLEM:

The current refined fuels ecosystem is built around the exchange of unstructured information; however, a large number of commonplace processes (both front and back-end) are redundant, which drives up fuel costs. Despite the Refined Fuel exchanges being regulated in nearly all of the world's countries, in real-world situations, there are many processes which are still underdeveloped. Case in point:

- » **Exchanges between traders (or producers) and suppliers (B2B) take days for validation and completion, and there is no decentralized market as an alternative.**
- » **There is no market for smart-consumers (B2C) where they can a) transact unused energy supplies and b) choose and switch suppliers based on pre-selected criteria.**
- » **Reporting Refined Fuel consumption from suppliers is done with a delay of at least 15 days so that unbalances cannot possibly be corrected accurately or in real time.**
- » **Energy transit is done, mandatorily, through prior booking, conventional certifications and reporting, and person-to-person settlement; this is because there is currently no system in place to facilitate real-time business.**

For the reasons listed above, prices increase. In places where energy transit is slowed-down or inaccessible, due to temporal, financial, or bureaucratic constraints, all parties in the ecosystem face a gradual increase in costs. The lack of adjustability in the system dramatically increases costs for energy suppliers, creating a snowball effect that eventually hits end-consumers. This is the problem BlocEnergy is fixing.



3. An Overview of BlocEnergy

3.1 OUR VISION:

We envision a world of smart-participants in a hyper-efficient refined fuels trading and logistics system that reduces operational costs for all parties.

3.2 OUR MISSION:

Our mission is to be the first international platform to integrate and facilitate cooperation between all market operators for the benefit of all parties; this will provide a lower-cost flow of refined fuels to existing and emerging markets where they are desperately needed.

3.3 OUR GOAL:

To achieve this, we are committed to:

- » **Creating blockchain-enabled refined fuels trading markets that are simple, transparent, and deliver more value to all users.**
- » **Lowering the cost and increasing the speed of project funding in order to supply more energy**

3.4 THE BLOCENERGY PLATFORM:

We are changing the way we operate the Refined Fuels systems by building a smart, flexible system that makes the most of all energy sources, enabling us to exceed our customers' needs in a balanced and financially-efficient ecosystem that is ever-evolving.

For this purpose, we have started developing a new logistics platform, which is blockchain enabled, to move energy--thus, driving new and existing marketplaces for Energy Refined Fuels funding, balancing, and trading. This platform incentivizes producers, lowers costs, opens up competition, and eliminates non-performing parties in order to level the market. We aim to start this year, 2018, and will deliver this completely new and highly cost-effective energy ecosystem fully by 2020.

The platform will be accessible to everyone in the industry--regardless of size--running new technologies alongside industry-standard applications. This market framework is designed to empower users (producers, suppliers or traders) in applying balancing processes and requires little intervention from BlocEnergy as a System Operator. The BlocEnergy ecosystem is, in effect, a matchmaking platform which connects producers, energy suppliers and smart consumers--as well as prosumers in order to transact energy in a structured way. It is a flexible system that makes the best of all available resources and is able to meet customer needs much more efficiently. To this end, we have integrated metering services that allow both new and existing suppliers to communicate quickly as well as fund, buy, sell and trade energy in a timely fashion within a secure framework.



4. Founders

Frank Raia

Director of Operations

20 Years in Energy & Sustainable Energy Industries. CNG & LNG Facilities Development and Industry innovations. 10 Years in oil & gas production and management. Integral in the ideas linking blockchain & smart contracts to the logistics and management of physical oil & gas. Proposed in 2014 that digital currencies and investment would become more mainstream and accepted. This would require a need for legitimate securitized DLT and Tokens for the broader market of accredited and larger investment markets. “The positives of DLT will push it to have to become mainstream from the fringes as more serious investors look to participate in this new technology”.

Andy Pontikes

Director of Oil & Gas Operations

Mr. Pontikes is a seasoned professional with over 25 years of experience in business operations, sales and marketing. He is the founding partner and Marketing Director of Catamount Transport, LLC, a Houston based company specializing in Crude Oil Transportation, Biodiesel, Chemicals and other oilfield related fluids in Texas and the lower 48. Previously he was the owner and president of Capco Systems, a digital systems dealership, marketing for and representing Canon USA. As one of the Founders of Bloc Energy, Mr. Pontikes adds a wealth of knowledge in the fields of refined fuels trading, tank storage, and refinery construction. Mr. Pontikes graduated from the University of Texas Austin.

Thomas McGreevy

Financial & Investment Director

Mr. McGreevy has been involved in the Financial Industry since 1992 when he began his career at the Chicago Board of Trade (CBOT) working for a private bond trading firm as a floor clerk/ back office manager, and eventually a US 30 year Bond Futures Trader. In 1997 he was transferred to London to trade the German Bund Futures at the London International Financial Futures Exchange (LIFFE) as well as executing transactions of an Irish Regulation S Fund that made equity and debt based investments in US publicly traded companies. In 1999 he moved back to Chicago to oversee the day to day operations of Augustine Fund LP, a Private Equity Fund that invested in Public and Private US companies. He was instrumental in the creation of Delano Group Securities, a Broker Dealer registered with the National Association of Securities Dealers (NASD). Mr. McGreevy was part of a team within Delano in completing over \$400 Million in Private 10 Placements and created an innovative capital raising tool called an "At the Money Equity Offering" in which public companies could raise capital at market rate. In 2003 he became a trading consultant to Triton Private Equities Fund LP located in Wichita, KS. Triton had a Net Asset Value of over \$200 Million investing in the US. In 2006 he became Principal in an Offshore Hedge Fund called Oceanus Asset Management and acted as an Investment Manager for a Fixed Income based Fund that traded in London. Since early 2010 Mr. McGreevy has performed contract site inspections and other real estate due diligence related duties for clients such as the FDIC (Am Core Bank failure), Barclays Bank, RSM McGladrey and GSR Associates. The aggregate loan amount of these transactions is over \$500 Million and the collateral value is over \$750 Million. He has also acted as a paid consultant to Commercial Real Estate Developers and Real Estate Investment Funds in the metropolitan Chicago area and the West Coast.

Brian Michel

Investment & Trading Director

Mr. Michel has been the Owner/Operator of a Financial Futures Brokerage Firm that he founded at Chicago Board of Trade (CBOT) and Chicago Mercantile Exchange (CME) for 20 plus years. He has executed in excess of \$40 billion dollars face value amount of 10-year Treasury Notes Futures. His Clients are some of the largest banks, investment banks, insurance companies and commodities firms in the world including, Goldman Sachs, Bank of America, Citi Group, Swiss Bank, Smith Barney, Prudential, Morgan Bank, O' Brien Trading and The Gelber Group. He was in charge of executing trades on his client's behalf in the Open Outcry Pits of the CBOT and CME and employed a staff of 10-15 at any given year



5. The BlocEnergy Model

5.1 BUSINESS MODEL:

With multiple industries and markets pulling and fighting for benefit and profit, we've created a single Eco-Sphere of function for the energy complex to operate, communicate, and transact within. All entities will be focused on their own performance and efficiencies, thus saving hundreds of billions of dollars per year while providing more lower-cost energy to the globe.

Our business model starts with active energy suppliers for our clients and customers in each commodity specification and industry area where BlocEnergy is operational; these clients become registered within the BlocEnergy platform, after successfully meeting a set of qualification and onboarding requirements.

Producers, suppliers, grid operators and consumers must register on the platform based on KYC criteria. The match between offers and requests is to be met through smart contracts that operate on the basis of individually defined rules (e.g. specifications as per quantity, type, price, and so on). The flow of Refined Fuels will then automatically be coded into the blockchain. Intuitive algorithms will match buyers with sellers, suppliers with facilitators, product to storage, and shipping to logistics in real time. Finally, smart contracts execute when the Refined Fuel is delivered, thus triggering the payment from buyer to seller.

Our platform will balance the needs of both the energy markets and the participants by constantly adjusting needs and demands to supply/delivery of those markets.

6. Technology Stack

6.1 INTELLIGENT PROTOCOLS:

On top of the Ethereum protocol, we have built the BlocEnergy platform and ecosystem. The applications that connect to the Ethereum blockchain are built on Truffle--a development environment, testing framework, and asset pipeline for Ethereum.

We use Ethereum Truffle for:

- » **Built-in smart contract compilation, linking, deployment and binary management;**
- » **Configurable-build pipelines with support for custom build processes;**
- » **Network management for deployment to many public and private networks.**

Communication with the Ethereum node is done through the JSON RPC API. JSONRPC is a stateless, light-weight Remote Procedure Call (RPC) protocol. Primarily, this specification defines several data structures and the rules around their processing. The smart grid we use incorporates digital technology and advanced instrumentation into the traditional electrical system, which allows utilities and customers to receive information from and communicate with the grid. A backend application then makes the electrical system more reliable and efficient by helping utilities reduce Energy (ROG) losses and detecting as well as fixing problems faster. The application (which we refer to as the smart grid) can help consumers intelligently manage energy usage, especially at times when demand reaches significantly high levels or when a reduced energy demand is needed to support system reliability.

Smart devices in homes, offices, and production facilities can inform consumers and their energy management systems of times when an appliance is using relatively higher-priced Energy (ROG) . This helps consumers, or their intelligent systems, to optimally adjust settings so that, when supported by demand reduction incentives or time-of-use Energy (ROG) rates, they can lower their energy bills.



7. Token & Protocol Design

7.1 EQUITY TOKEN

BECX - BlocEnergy will be tokenizing the equity of our company by creating 500,000,000 ERC-20 compliant, BECX tokens. These tokens will represent 100% of the BlocEnergy equity/shares and may include mechanisms that pay dividends, profit shares, voting rights and company exit profits with buyback options. We will be selling a percentage of these tokens through a capital fundraise sale event, in what is known as an SEC compliant, “Security Token Offering” (STO).

For more information regarding our STO, please visit our website at www.blocenergy.com

7.2 BLOCKCHAIN INTEGRATION

BCRX - These tokens integrate with our platform and are leveraged off the value of the BECX, acting as our credit lines to our customers. Instead of going to a bank, our customers come to us and we issue them a credit line so they can purchase commodities. With the BCRX, we will be able to track and process the “Trade” with more efficiency.

By using Ethereum as the abstract foundational layer, BlocEnergy is able to implement all the features and rules of its protocol directly into smart contracts, which are then deployed and processed by the network. On top of Ethereum, the services are built using Geth--a multipurpose command line tool that runs a full Ethereum node implemented in Go. In this case, it is running on a proprietary Linux server with no RPC/HTTP open ports.

The communication, which involves the Geth, is also managed through the Ethereum network.

A (1, one) BCRX token represents a transferable token equivalent to 1 kWh. The BCRX token is used for paying for Energy (ROG) in the BlocEnergy platform, regardless of geography or supplier--as long as the energy supplier is a BlocEnergy partner.

Main uses of the BCRX token include, but are not restricted to:

- » **Integration with Bloc Platform for utilization of system efficiencies**
- » **Transaction processing for faster funding, credit lines and settlements**
- » **Participation and returns from all of BlocEnergy's businesses**



8. Business Plan

8.1 USE OF FUNDS

The funds raised during the contribution period will be used solely for the development, and further product design and marketing, of BlocEnergy as detailed in the following:

- » **55% of funds will be used for expansion and marketing purposes.**
- » **30% of funds will be used for software development.**
- » **15% of raised funds will be used for integration with already-existing, traditional platforms.**

BlocEnergy has the strong potential to provide a solution for the Refined Fuels Sector by ensuring the following solutions to today's problems:

- » **Multiple parties share data – multiple participants can view shared information.**
- » **Multiple parties update data – multiple participants can take actions that need to be recorded and change the data.**
- » **Requirement for verification – participants can trust that the actions which are recorded are valid.**
- » **Intermediaries add cost and complexity – removal of central authority record keeper.**
- » **Intermediaries will reduce cost (e.g. fees) and complexity (e.g. multiple reconciliations).**

- » **Interactions are time-sensitive – reducing delay has business benefit (e.g. reduced settlement risk, enhanced liquidity).**
- » **Transaction interaction – transactions created by different participants depend on each other.**

8.1.2 SHIPPING / TRACKING

For energy suppliers, this is a welcome application as it gives the possibility of significantly reducing human error and administrative costs normally associated with this type of transactional activity. Accurate tracking, certification, verification and access to full history will in turn increase customer confidence and retention of the existing customer base.

Businesses involved in global shipping understand the extent it takes to manage supply chains and the amount of time and work involved in getting your products from point A to B. There are many aspects such as manifests, certifications, verifications, payments and engagement involved in the process to ensure the product keeps moving. A container could be sitting in Rotterdam for several days in customs, and the business may not even know it. This creates a situation in which a customer does not have what they need in time because there was no way of tracking it in real-time, without continual engagement and correspondence with the ports and logistics groups.

8.2 TRANSACTIONS

Distributed Ledger Technology (DLT), more commonly known as blockchain, not only makes the financial infrastructure more automated, it also makes the system more fair and open. Blockchain has three central features that make it indispensable for digitized financial transactions—immutability, transparency, and trust.

- » **Immutability** - The blockchain structure replicates and distributes time-stamped data about transactions to many nodes in real time. This means that data cannot be modified after it is recorded, reducing both fraud and inconsistencies in record-keeping between partners.
- » **Transparency** - The blockchain system acts like an open-sourced database in that it can be viewed, but not modified, by all parties. This eliminates the privileged access to information that has allowed some market participants greater access to financial data than others. Blockchain technology democratizes this aspect of the market. It also ensures that digital currency cannot be copied and used in a double spend.
- » **Trust** - Blockchain technology uses Smart Contracts, through which all parties agree to a set of conditions on a shared platform. The underlying code itself provides for trust in the system, as parties can transact business knowing that each party is both willing and able to fulfill its obligations

Blockchain-enabled energy finance and distribution provides:

- » **A disruptive funding model utilizing the crowd;**
- » **A decentralized mechanism for quickly supplying products;**
- » **Automated processes for project identification and delivery;**
- » **A secure platform for transactions;**
- » **A trusted resource that is open and transparent.**

Smart Contracts precisely define the parameters of any given enterprise and are executed and enforced on the Ethereum platform. These opt-in agreements are transparent and are subject to the scrutiny of the community. BlocEnergy's Smart Contract defines an energy financing structure that allows stakeholders to monitor the deployments of the Company's products worldwide.

8.2.1 FORECASTS

Designed for a broad range of users, BlocEnergy's solution offers automatic, configurable and manual modes so users can retrieve forecasts and modify scenarios interactively. Automated forecasting means less manual input and makes large forecasting processes more manageable and user friendly.

8.2.2 ARBITRAGE ENERGY / EXCHANGE

Through our platform, users can leverage energy assets, storage, contracts and deliverables through smart devices to find verified partners to fulfill needed items and assets. This will enable an exchange of energy which also sets the foundational layer of our demand/response mechanism.

8.2.3 PEER-TO-PEER EXCHANGE

The platform provides a multilateral framework for energy cooperation. It is designed to promote energy and transaction security, customer integration, and supply efficiencies through the operation of more open and cooperative energy platform; this puts the missing pieces together so global energy transactions can find their need items and be completed. Our scope revolves around improving knowledge and information of the energy supply and maximizing the efficiency of production, conversion, transport, distribution, and use of energy in order to enhance security, profitability, and transactability, while eliminating non-performing concerns and risks to maintain profitable economic conditions.

That being said, our platform integrates:

- » **Logistics Tracking and Certifications (in real-time)**
- » **Energy exchange metrics**
- » **System balancing mechanisms**
- » **Energy trading smart contracts**
- » **Global Market Needs**
- » **Fulfillment Engagement Networks**

... into a blockchain that allows for instant adaptation to real-world conditions and requirements, for all platform participants in the system.

Uniting the aforementioned into a single, simple user-interface is the major achievement of BlocEnergy – and it is what brings added value as well as differentiation to our ecosystem customers and business partners. Time and time again, the world of industry has shown us that simplification and digitization of services people require regularly is the key to healthy and sustainable growth; it is with this in mind that we have developed BlocEnergy as a platform that does away with bureaucracy, reduces costs, and simplifies the user experience while offering flexibility and responsiveness that outweigh any reluctance of the consumer to switch to our new design.



9. Objective and Cash Flow

9.1 BUSINESS & SALES FORECAST

Our expansion plan is based on natural pollination of our services through our immediate industry in the United States and globally. The efficiencies and operational growth of our platform will help current, everyday market operations, that are struggling to alleviate physical and financial pipeline restrictions, avoid fatal business choke points.

We will expand our current business and assets by:

- » **10x's in Q3 & Q4 2018 from \$5 million to \$50 million.**
- » **\$50 million to \$500 million in 2019.**

We will grow our current customers and base, expanding their business to:

- » **\$1 Billion over the next 12 months.**

We will expand both our and our client's assets, transactions, and business by:

- » **\$10 to \$20 Billion over the next 24 months.**
- » **10x's value to \$100 Billion by 2020.**

We foresee that by 2022, through our model and platform, we will have an estimated effect and contact with over:

- » **\$100 billion in our platforms gross transactions and cash flows related to energy commodities, products and logistics.**
- » **\$10 to \$20 billion dollars in savings per year for our partners.**
- » **\$1 Billion / year in a net revenues stream.**

For more specifics on this business plan, please reach out to team@blocenergy.com



10. Board of Advisors

Tim Nitsch

Technology Legal Adviser (Freeborn and Peters Law Firm) / Patent, Trademarks & Copyright Mr. Nitsch is the Co-Chair of the Intellectual Property Group at Freeborn & Peters in Chicago. Mr. Nitsch's practice is focused on patent and trademark prosecution, litigation and licensing. Prior to becoming an attorney, Mr. Nitsch worked as an engineer in the automation industry designing and installing automation and security systems for the John G Shedd Aquarium, Lincoln Park Zoo, Brookfield Zoo, Chrysler, the Federal Reserve Bank, Avon Cosmetics, AT&T and many others. During his 15 years working as an engineer, Mr. Nitsch was also responsible for managing the sales and growth of twenty automation dealers across a fourteen state region. Mr. Nitsch also worked as a research and development engineer for Panduit Corporation, and is a named inventor on six patents.

John Plummer

Technology & Trading Adviser & Expertise. Mr. Plummer has founded companies that produced \$6M in sales with three employees and a dealer network from the ground up (CardioVision) to a 140 person trading company operating out of Chicago. Having a vision and building strong teams have been the core of his success. Mr. Plummer has been immersed in the worlds of delivery, technology and data, and how they interact. He has helped influence his companies innovation, strategy, approach and offerings. Mr. Plummer has more than 25 years of professional experience working in customer facing businesses.

Melissa King

Marketing & Advertising (RK Media Inc.). Melissa King began her media sales career at the Chicago Sun-Times in 2002. Melissa worked in both Sales and Sales Management roles at the Chicago Sun-Times and Chicago Tribune over a period of 14 years. Melissa King was digital sales manager at Tribune Co. and helped transform the Chicago Tribune Advertising Department to a digital first organization.

With over 16 years of media experience and 8+ specifically in the digital space for categories including real estate, automotive, manufacturing and luxury good. Melissa King is a partner in RK Media a B2B Media Representation Sales firm selling & developing integrated media solutions for our publishers serving the Metalworking, Additive and Outdoor Markets.

Chris Fox

Creative Industrial Marketing is a digital content marketing and video production company providing video content creation and the written narrative for B2B industry. Founded based on the need for B2B companies to generate thought leadership education based video content our team has over 30 + years of digital content marketing experience & production experience. We partner with clients to bring their products, services and thought leadership to life through video. Offering an engaging way to tell your brand's story through customer stories, interview based through leadership pieces, even coverage and more.

Jeremy Wright

Founder & CEO of Tokenomix, Jeremy specializes in Securities Token Offerings (STO) and Networking, Sales, Technical Analysis, Blockchain, Business Development, Data Analysis & Reporting, SEC Compliance, and an overall knowledge base for Financial Technology. Jeremy is a strong professional with a demonstrated history of working in the cryptocurrency space and the banking industry.



11. Definitions

Clearinghouses are usually connected to one or more exchanges and carry out the financial and physical settlement for energy transactions.

Consumers or end buyers buy corresponding products from the suppliers. However, consumers also supply energy to themselves or another submarket, in which case they act as prosumers who not only feed Energy (ROG) into the markets, but also participate in the consumption protocol process.

Energy (Refined Oil & Gas) refers to obtaining and converting products from oil and gas into the energy supply chains.

Energy exchanges offer a marketplace where Energy (ROG) and gas can be traded. These marketplaces are heavily regulated, are monitored by national regulators and some even have a special status in that they carry out certain functional processes with network operators.

Index agencies are institutions that establish market prices for energy products, either on trading platforms or by contacting individual traders, and provide pricing information to traders in exchange for fees.

Refineries feed refined products from oil and gas into the energy supply chains, economies and energy grids domestically and globally.

Suppliers supply rough stock of crude oil or gas as well as refined products and large quantities of energy from the producers (refineries, production and blending) and offer adapted products that meet the requirements of industrial, commercial and global consumers.

Traders or Brokers buy energy from producers, traders or suppliers on the wholesale market and resell it to other traders or suppliers. The wholesale energy market is a pan-European marketplace where some products are resold several times before finally reaching the consumer through a supplier.

12. Legal / Important Notice

Disclaimer

IMPORTANT NOTICE

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