



# **MBIT**

## **Unlocking Billions in IoT Revenue**

**Version 1.0.2**

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## 1. Introduction

MyBit enables the crowdfunding of revenue generating machines (IoT Assets). So anyone can buy a percentage stake in a device that generates revenue and in return receive a portion of revenue the machine produces. This inverts the financing model and revenue flow to create a more scalable and democratic model which unlocks hundreds of billions of dollars in investment opportunities previously reserved for large centralized institutions to the average person. All of this is managed by Ethereum smart contracts to automate processes, maintain security without the need for middlemen, brokers, and other forms of intermediaries, and reduce friction in the overall p2p investment process. This result is a new investment ecosystem where more opportunities are available and investors can keep a larger portion of their money due to leveraging technological efficiencies.

## Example

**How does it work?** We often hear the term decentralized ownership. What MyBit does is enable ownership of a specific IoT asset to be easily distributed among several owners (investors). With the rise of the upcoming machine economy, our vision is to have machines owned by people all over the world, rather than centralized parties maintaining ownership and the resulting revenue streams.

**Let's look at an example.** Alice wants solar panels that cost \$20k and only has \$5k to allocate towards them. Traditionally she would have to go to a lending institutions (bank) and apply for a debt-based instrument (loan) which results in the bank actually owning the solar panels and Alice owing the bank. Since solar panels generate revenue, there is no need for debt-instruments since investors can profit from this opportunity without Alice having to owe any third-party (financially). Instead, Alice can crowdfund the remaining 75% (or \$15,000) from investors all over the world. If the full amount needed (\$20k) is not raised in the set time-interval (typically 30 days) then all funds are returned via the smart contract to investors. If the funding goal is reached then the raised capital is automatically sent to the hardware installer/manufacturer which eliminates the risk of Alice misusing the funds. Once installed, the Solar panels are connected to the MyBit platform via an oracle that pulls usage and payment data from the hardware so everything is transparent and can easily be tracked and audited by investors and third-parties. When the solar panels generate revenue (in this case feed-in tariffs or selling back to the grid) investors receive a portion of the profits proportionate to their ownership stake. Operational and maintenance costs can either be priced into the initial funding target or be deducted from revenue as a percentage.

## Use Cases (Additional Verticals)

This can be applied to: All of the following use cases involve partnering with an IoT hardware provider to integrate MyBit which prevents our open-source application from being successfully cloned and brought to market under a different brand.

**Renewable Energy** – To accelerate adoption of the decentralized energy grid, land and homeowners can crowdfund ownership of the solar panels. Investors in return receive profit sharing from feed-in tariffs and excess energy production sold back to the grid (or p2p in the future).

**Smart Property** – Smart Locks can be installed on existing brick and mortar properties or be integrated into the design of new properties so govern rent/lease payment. If payment is not made, then the space is locked and only the owners who control the other keys can open it until payment is made. This enables property both commercial and residential to be crowdfunded and revenue to automatically be distributed to investors without a third-party payment processing/management company involved.

**3d Printers** – We envision 3d printers to become widespread over the next decade throughout malls, shops, and other venues. Under the 3d-printing as a service model, investors can crowdfund these assets and be paid on a per usage basis.

**Drones** – Drones will have a major role in many commercial use cases, but we believe delivery and transport of goods will be one of the core areas that will come to market first. People will be able to purchase stakes in these delivery drones and upon completion of each delivery they will receive revenue sharing. As different models for monetizing drones take shape, MyBit will be flexible to integrate into any that are economical for the network.

**Cryptocurrency ATMs** – To stimulate the widespread adoption of cryptocurrencies, ease of access is a core component. By crowdfunding ATM ownership it enables exponentially more units to be installed and operational across the globe. Investors will make money off of the spread and usage fees for transacting.

**Self-Driving Vehicles (Consumer)** – Self-driving cars are going to displace a lot of jobs. We find it vital that the average person has the option to partake in the ownership and revenue sharing of these vehicles instead of centralized financing institutions controlling every aspect.

**Automated Machinery (Commercial)** – Farming machinery, construction, delivery, etc. can all leverage MyBit. It is beneficial to companies that want to upgrade machinery and infrastructure to utilize MyBit to reduce costs to enter into this market. Simultaneously, it unlocks billions of dollars in stable investment opportunities to investors.

**Smart Homes IoT Devices / Machine as a Service (Business Model)** – This will definitely take time to implement, but we at MyBit predict a disruptive transformation into micro-economies and vast adoption of micro-payments. In this scenario, the financing model is turned upside down. Instead of purchasing a device to use limitlessly (traditional – how it is now for the most part) , devices will be free to the consumer (crowdfunded by investors), and they will pay per usage. A major barrier to entry with this is insurance and accountability for assets.

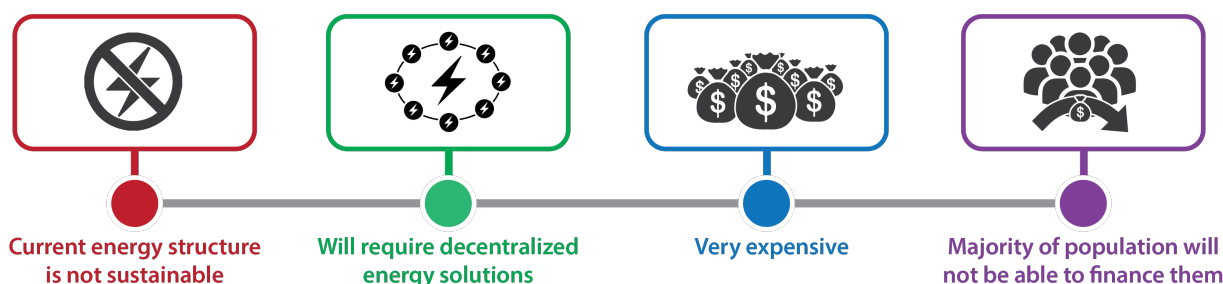
## First Vertical to Target

We are starting with solar panels to accelerate the decentralized energy grid.

### Why?

**The amount of energy needed to power AI machinery will exceed what traditional power grids can produce.**

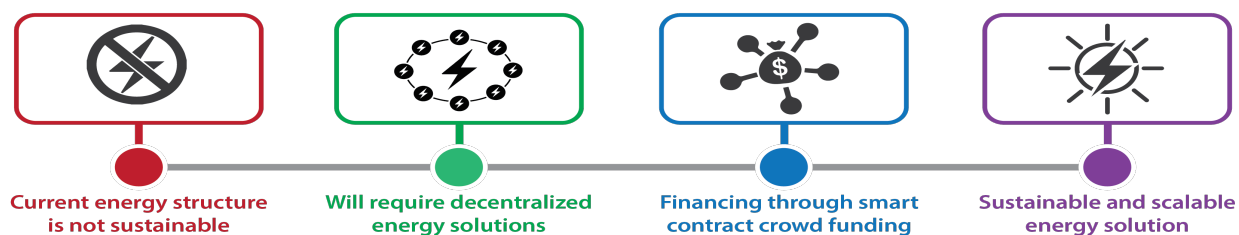
Since the current energy structure is not sustainable (scalable at speed), it will require decentralized energy solutions. Traditional financing models would only enable a small fraction of the population to own / participate in the decentralized solutions.



With the rise in global demand for energy, traditional grids will soon be unable to produce enough energy to meet those demands. This exponential growth in energy usage can be contributed to the AI & IoT revolution as well as the maturation of emerging markets.

### Solution: Commoditize Decentralize Energy Infrastructure

Centralized financing systems have worked well for most of history, but we are reaching a tipping point where they will no longer be able to scale with demand. Our proposed solution is to utilize Ethereum's Blockchain and smart contract functionality to enable decentralized crowdfunding and revenue sharing for infrastructure that is already generating revenue. This enables energy infrastructure to scale as needed to keep up with growing demand. It is not restrictive to location (from a financial infrastructure perspective), incentivizes investors with real-time revenue distributions, and enables decentralized energy solution providers to sell more units.



- Removes financial barrier to entry by crowdsourcing the purchase of decentralized grids in exchange for per-usage revenue sharing
- Enables faster access to capital (than traditional financing mechanisms such as bank loans and other debt instruments)
- This creates a highly scalable (at speed) & sustainable energy model

## 2. Market

Renewables (solar, wind, wave, hydro, geothermal, biomass and waste) are the fastest growing component of worldwide energy generation.

In 2008, the world relied on renewable sources for around 16% of its total primary energy supply. In 2013, renewables accounted for almost 22% of global electricity generation, and the IEA Medium-Term Renewable Energy Report of 2015 foresees that share reaching a minimum 26% increase in 2020.

**Source of Electricity (World total year 2008)**

-	Coal	Oil	Natural Gas	Nuclear	Renewables	other	Total
Average electric power (TWh/year)	8,263	1,111	4,301	2,731	3,288	568	20,261
Average electric power (GW)	942.6	126.7	490.7	311.6	375.1	64.8	2311.4
Proportion	41%	5%	21%	13%	16%	3%	100%

Solar energy is the fastest growing component within renewables. Today, most solar power is produced by large scale solar farms consisting of thousands of PV solar panels. These farms are primarily owned and operated by municipalities and or large utility companies.

Soon (3-5 years), the clear majority of new solar power will come from **micro or nanogrids**, small solar power systems sitting atop residential and commercial rooftops, owned by active “prosumers” (producers and consumers) who monetize their space to gain progressive independence from the grid and create revenue streams.

In addition to the economic benefits, we contend that emissions reductions, the employment generated, the local control and autonomy allowed, and the overall public good created from microgrids will disproportionately add to their explosive market growth.

So how big is the market? We believe by:

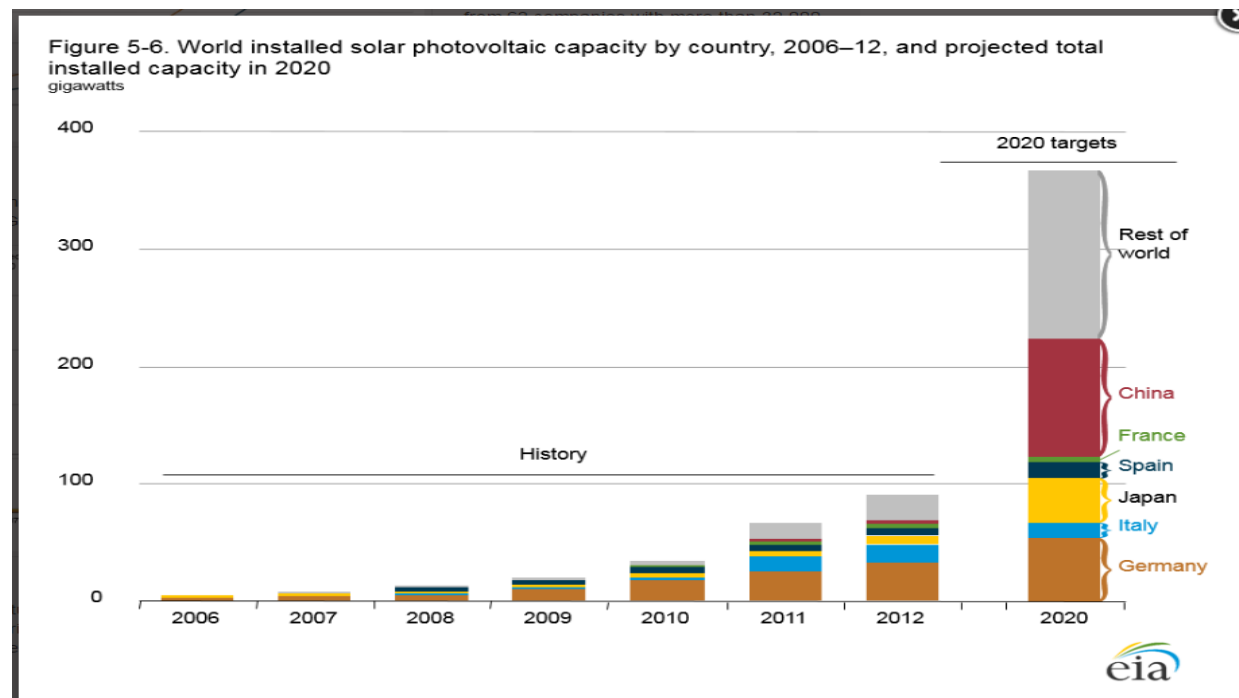
- eliminating the key barrier to entry (which is capital) with access to peer to peer funding from anywhere in the world and,
- enabling trust via smart contracts that guarantee delivery of funds to suppliers / installers of microgrid components as well as guarantee distribution of revenues generated by the sales of energy back to the utility companies,

the total addressable market for the MyBit platform is equal the total number of new consumer and business rooftops installed annually. According to Tesla founder, Elon Musk, this equates to 20-30 million rooftops per year, worldwide.

## Where To Begin

Germany's renewable energy sector is among the most innovative and successful worldwide. Net-generation from renewable energy sources in the German electricity sector has increased from 6.3% in 2000 to about 34% in 2016 and is targeting 80% by 2050.

Key to Germany's energy policies and politics is the "[Energiewende](#)", meaning "energy turnaround" or "energy transformation". Germany's political will to succeed in renewable energy is driving an environment of amicable private / public partnerships and economic incentives that make Germany the right place to launch the MyBit platform.





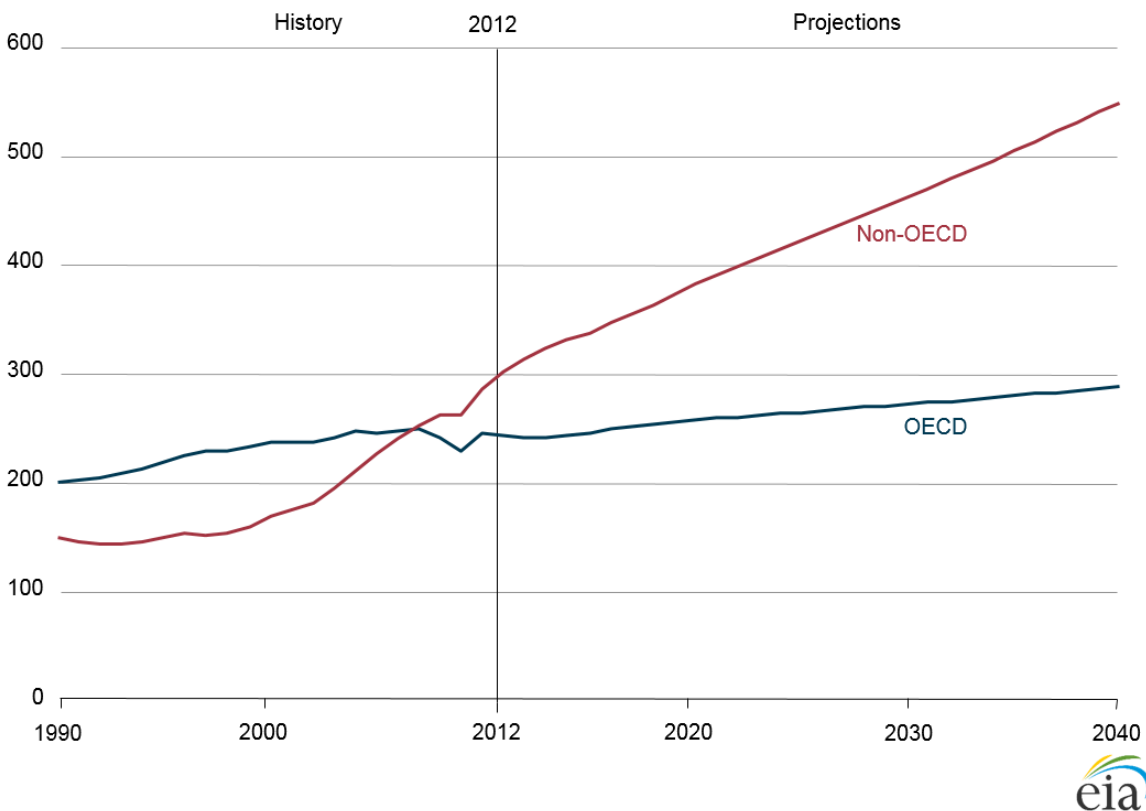
## Emerging Markets

Integration into world markets by six of the largest non-OECD economies (Brazil, Russia, India, Indonesia, China, and South Africa) has driven estimated non-OECD energy consumption increases of 71% between 2012 and 2040 compared with an increase of 18% in OECD nations.

By 2040, almost two-thirds of the world's primary energy will be consumed in the non-OECD economies. We want to be there.

Figure 1-2. World energy consumption by region, 1990-2040

quadrillion Btu



### 3. Profitability

**Disclaimer:** These models have been produced solely to demonstrate a clear, profitable opportunity for our business model. These numbers should not be viewed as final and individual research is strongly encouraged prior to making any investments. These models should not influence your decision to participate in the MyBit tokensale to aid in the development and growth of the ecosystem. For full details please review tokensale terms and conditions via the crowdfunding dashboard.

#### 1) Investing in Solar Panels

For ease of review, the chart below represents averages across many major markets throughout the world; consequently, individual markets will vary from these numbers. Further, we have used conservative figures such as the rate paid for energy produced and selling back to “the grid” to compensate for unexpected fees or future decreases in sell-back rates. In markets such as Germany where we will initially go to market, feed-in tariffs are paid to encourage the production of energy consumed.

Monthly generation: 5 kW system, 4-6 hours daily direct sunlight (4.8 hours average)

System Cost	KwH	Rate	KwH Consumed	Excess	Excess Rate	Profit	Excess Profit	Total Profit
\$10,000	720	\$ 0.1288	667	53	\$ 0.07	\$ 85.91	\$ 3.71	\$ 89.62

Annualized Cashflow	\$ 1,075.44
Rate of Return on Inv.	10.75%
Repayment (years)	9.299
US 10yr T-note rate	2.385%

(Within 3 years) 10 kW system, 4-6 hours daily direct sunlight (4.8 hours average)

Due to constant innovation in the renewable energy sector, it is projected that within three years the cost of solar PV will be approximately 50% of what it is today. This equates to a 7.5% increase in annual rate of return on investment and an approx. 3.4 year decrease in payback period. This model demonstrates that the MyBit model will become increasingly profitable over time.

System Cost	KwH	Rate	KwH Consumed	Excess	Excess Rate	Profit	Excess Profit	Total Profit
\$10,000	1,440	\$ 0.1288	667	773	\$ 0.07	\$ 85.91	\$ 54.11	\$ 140.02

Annualized Cashflow	\$ 1,680.24
Rate of Return on Inv.	16.802%
Payback Period (years)	5.952
US 10yr T-note rate	2.385%

## 2) Network Distributions (token holders)

All transactions on the MyBit platform are assessed a 1% network fee which is distributed to token holders based on their percent stake. In the below model we have provided a basic visual of what this could look like based on monthly revenue distributions from total installed Solar PV systems. Please note that these figures do not include fees assessed to the registration of assets, inflowing investments, and other industry verticals that may be integrated in future phases.

# Systems	Monthly TSF	Total Flow	Network Fee	Network Profits	MyB Stake	Monthly Profit
10,000	\$115	\$1,150,000	1%	\$11,500	0.10%	\$12
100,000	\$115	\$11,500,000	1%	\$115,000	0.10%	\$115
1,000,000	\$115	\$115,000,000	1%	\$1,150,000	0.10%	\$1,150
5,000,000	\$115	\$575,000,000	1%	\$5,750,000	0.10%	\$5,750
10,000,000	\$115	\$1,150,000,000	1%	\$11,500,000	0.10%	\$11,500
25,000,000	\$115	\$2,875,000,000	1%	\$28,750,000	0.10%	\$28,750

The cost for a 0.1% stake in the MyBit network assumes a maximum raise equivalent to 4,000,000 USD. Please note that this amount may vary.

Cost for 0.1%		
Tokensale Max	Percent Stake	Cost
\$4,000,000	0.10%	\$4,000.00

## 4. Technology

### Overview

Our goal is to remove the financial barriers to entry and the friction currently present in the alternative asset investment space, thereby enabling anyone to benefit from sustainable infrastructure regardless of their socioeconomic status or location. We achieve this through the creation of a platform (MyBit) which decentralizes investment through Ethereum smart contracts and secures ownership with IPDB (inter-planetary database), and IPFS (inter-planetary file system). The MyBit platform is fueled by application-specific tokens, MyBit Tokens (\$MyB).

### Roadmap



### MyBit Design

This application is designed to demonstrate how assets can be modeled on the Blockchain using the scenario of asset management and decentralized revenue streams.

Let's assume in our scenario assets are modeled using Blockchain technology with the following attributes:

Type	Attribute
Alphanumeric	AID (Asset ID)
Unsigned int	AIN(Asset Identification Number)
Name of the asset	Asset
String	Description
String	Date of Registration

Identity of genesis owner (issuer)	Registered by
Identity of current owner(s)	Current Owner(s)
Identity of beneficiary(s)	Beneficiary (if any)
Cryptographic hash of the supporting document	Identification Document (optional*)

The application is designed to allow participants to interact with the income-generating assets by creating, updating, storing, querying, participating in revenue sharing, and transferring them as their permissions allow.

<b>Contracts needed</b>	<b>Permissions</b>	<b>Participants</b>
AssetManager	Read, trigger events	Owner(s), Beneficiary(s)
OwnershipManager	Trigger events	Validating Authority
AssetManager, FinanceManager	Create	Issuer
AssetManager, FinanceManager	Read(Verify ownership), Update, Transfer	nth Purchaser, nth Investor
FinanceMgmt	Input: Inv. Output: Ownership stakes	Buyer
AssetManager OwnershipManager	Transfer, Decommission	Current Owner(s)
FinanceManager, RevenueManager	Input: Read(revenue data) Output: Distribute profits	nth owner
AssetManager, OwnershipManager	Read, Update, Transfer	Beneficiary(s)

MyBit utilizes various smart contracts (some independent and some that rely on other contracts to execute) to govern network actions and overall platform operations.

Action	Description	Contracts Required	Authority (Signer)
Asset Creation	Linking of asset approved by issuer to consumer via Identity mgmt. protocol	AssetManager	Issuer , Consumer
Financing Start	Fundraising for asset commences	FinanceManager	Issuer , Consumer , Investor
Financing Fail	Time limit reached prior to raising req.	FinanceManager	Smart Contract
Financing Success	Capital reaches req. SC governs payment - manufacturer/installer	AssetManager, FinanceManager	Smart Contract , Manufacturer/Issuer
Share Issuance	Shares transferred to individual inv. Accts.	AssetManager, FinanceManager	Smart Contract , Investor
Distributions	Revenue distributions to investors	RevenueManager. Finance Manager	Smart Contract , Investor
Trust Creation	Asset Owner creates terms of divestment or distribution	AssetManager, OwnershipManager	Asset Owner , Third – Party (Escrow) , Beneficiary
Trust Execution	Terms of Trust contract met (triggered by oracle) & signed by 2 of 3 keys	AssetManager, OwnershipManager, [RevenueManager]	Smart Contract , Oracle , Escrow , Beneficiary
Share Ownership TSF	Purchase or Sale of asset resulting in tsf of ownerhsip	AssetManager, [RevenueManager]	Buyer , Seller

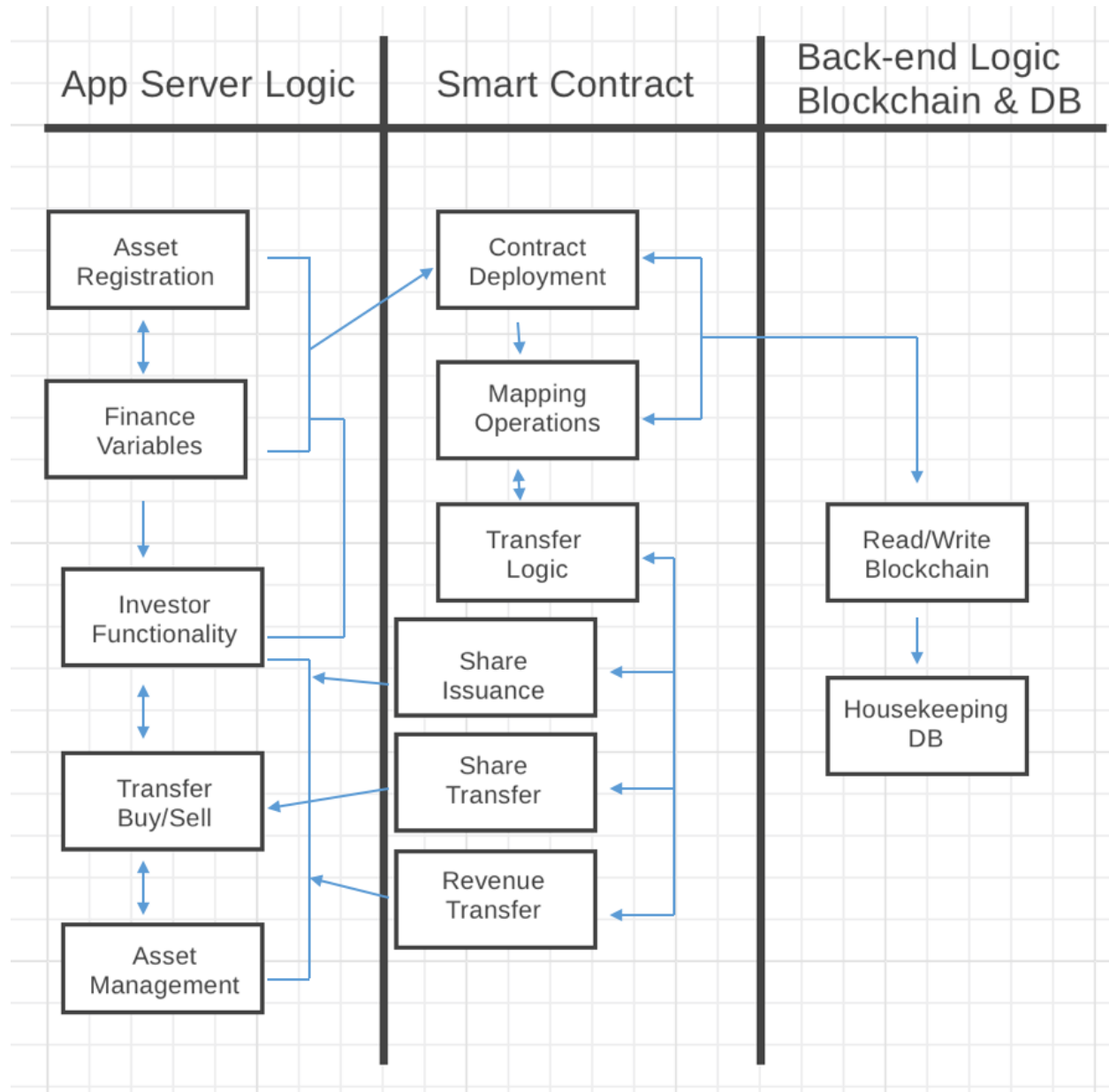
The concept taken here (as an example of decentralized asset management) defines how smart contracts can be utilized to manage current assets, implement event-driven ownership distribution, participate in revenue sharing of income-generating assets, and buy/sell decentralized revenue streams.

## Technical flow of Asset life cycle

1. Asset is created by the Initiator using the AssetManager contract. Details of the Initiator are recorded on the Blockchain. These contracts develop two sandboxed containers (like a table) on the Blockchain which are linked by public address (hash) of Initiator account.
2. In case of an error in asset creation, the Initiator will be able to update the asset, but a trail of updates will still be recorded on the ledger.
3. Details of the Asset should contain a unique identifier that can distinguish the asset. Supporting documents can also be uploaded.
4. Initiator can decide to enable asset financing in the form of crowdfunding. Upon completion profit distributions will begin once asset begins generating revenue.
5. Each investor will instantly become a partial-owner (assuming the fundraising goal was achieved, otherwise any sent value would be returned). Following this step the owners can also elect to register his/her beneficiary with the Trust Manager contract.
6. Buyer has the capability to verify the ownership of the asset and identity of the issuer from the Blockchain using our contract logic.
7. Assuming each buyer will check with the system to verify asset ownership, fraud will be easily detected.
8. Trail of ownership will be updated on the Blockchain with each transfer transaction. Current owner and beneficiary information will also be updated.
9. Validated Authority may or may not be implemented for each transaction as it depends on the level of control required for Business logic.
10. With each completed transaction a Bill of Sale (for Assets exchanging ownership) will be generated by Backend Server. Required data will be pulled directly from the ledger.
11. In case of event driven Trust contract (death, pre-defined time interval, graduation, marriage, or other), on reception of data submission from oracle (or required documents with regulatory "entity" of contract), it can trigger an event on the ledger which would execute the Trust smart contract and transfer ownership seamlessly to the beneficiary(s).
12. If an asset's life is expended, the current owner(s) can also decommission the asset on the ledger.

## Architecture

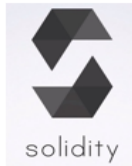
All Application interactions occur over REST protocol. The application interacts with smart contracts over RPC using an HTTP endpoint.





## Technologies & Application Development Tools

### Language



### IDE



### Client: Geth



### Frameworks & API



Web3 API

### Version Control



### Storage



### Database



### Browser



### Testing: TestRPC

## Protocols

We utilize the nodejs implementation of DEVp2p to enable Ethereum nodes to communicate with one another. Messages are sent via RLPx which is an encrypted and authenticated transfer protocol. TCP could have been the transport protocol utilized, except Ethereum nodes send and receive information in packets which RLPx facilitates. The Devp2p nodes (identity is a secp256k1 public key) find other network nodes through DHT, the discovery protocol of RLPx. This process can also be manually executed via supplying a client-specific RPC API with a peer endpoint.

**Basic example of peer to peer commands for DEVp2p**

Hello 0x00 [p2pVersion: P, clientId: B, [[cap1: B\_3, capVersion1: P], [cap2: B\_3, capVersion2: P], ...], listenPort: P, nodeId: B\_64] First packet sent over the connection, and sent once by both sides. No other messages may be sent until a Hello is received.

- p2pVersion Specifies the implemented version of the P2P protocol. Now must be 1.
- clientId Specifies the client software identity, as a human-readable string (e.g. "Ethereum(++)/1.0.0").
- cap Specifies a peer capability name as a length-3 ASCII string. Current supported capabilities are eth, shh.
- capVersion Specifies a peer capability version as a positive integer. Current supported versions are 34 for eth, and 1 for shh.
- listenPort specifies the port that the client is listening on (on the interface that the present connection traverses). If 0 it indicates the client is not listening.
- nodeId is the Unique Identity of the node and specifies a 512-bit hash that identifies this node.

## Identity Management

To reduce time and cost to market, MyBit will be integrating a Blockchain-based identity management tool instead of developing internally. An analysis can be found on our blog [HERE https://medium.com/@MyBit\\_Blog/mybit-and-blockchain-identity-management-e44e277c71cd](https://medium.com/@MyBit_Blog/mybit-and-blockchain-identity-management-e44e277c71cd)

## Payment

MyBit is payment agnostic. Meaning that major Fiat and Cryptocurrencies can be used as a form of payment on the back-end. While MyBit runs on Ethereum and MyBit Tokens, we do not want to create unnecessary barriers to entry (need of obtaining those specific currencies). Conversion to Ethereum and MyBit tokens will be completed as a back-end running process. This results in removing friction to access the MyBit platform while still creating market support for the MyBit Token via back-end exchange scripts.

## Smart Contracts

### 1) FinanceManager

Registration of an asset, amount that needs to be raised, time limits, manufacturer, terms etc. (highly similar to a crowdfunding smart contract). This contract then creates revenue distribution contract and mints tokens (trading asset ownership).

## **2) RevenueManager (Formula not yet finalized for optimization)**

Consumer pays smart contract, smart contract distributes to owners based on stake percentage.

To reduce network fees MyBit uses a queued nonce structure to group distributions. There are 3 approaches to this.

- 1) A static formula that groups into a future transaction pool to be mined such as

$BnD = B(0) + x$  where BnD is the block where grouped transactions will be sent, B(0) is the first block where transactions will be added to the group and x is the number of blocks from the first when transaction will send.

This method guarantees speed of delivery but does not have a cap on fees.

- 2) A dynamic formula that incorporates gas costs into the calculation to place a ceiling on fees assessed.

The downfall of this formula is time and missing a Block variable which could create an infinite grouping with no execution.

- 3) So we decided to make a hybrid with variables where the first variable takes fee into account until a pre-defined future block (say 50 from initial tx) at that point transactions will be sent regardless of fee.

## **3) AssetManager**

Identifying an asset will follow this key: Each asset has unique tokens governed by a smart contract. While this may be cumbersome it eliminates any issues with similar assets (same model, quantity, location) generating different revenues. This could become an issue if we grouped similar products together.

ID String: Machine-Category|ProductIdentifier|Quantity|Location

ID String is used to manage and filter investments, then each can be reviewed for specific revenue streams, transactional history, etc.

We will utilize the Swap Protocol (<https://swap.tech/whitepaper>) to facilitate the implementation of a decentralized exchange for MyBit Crypto-Assets.

#### 4) OwnershipManager

Identifying ownership to transfer if event happens, pre-defined time, or configuring to multi-signature transfers. Event driven scenario will involve the integration of oracles. As well as fractionalize asset distributions.

Scenario 1: Standard Time Divestment w/ Fractionalization Option

CurrentOwner has 100 xyz shares. At FutureTime [n]xyz transfer to NewOwner(s) . Note that [n]xyz transfer and NewOwner does not have to be a singular command as multiple owners can receive a partial stake and CurrentOwner has ability to retain a proportion of holdings.

Scenario 2a: Event-Driven Distribution using Oracles

CurrentOwner has 100 xyz shares. At EventDeath of CurrentOwner [n]xyz transfer to NewOwner(s). Or at EventGraduation of NewOwner [n]xyz transfer to NewOwner. Pre-defined oracle feed triggers these events. A benefit of this scenario is automation. A disadvantage is lack of oversight & certainty in oracle feed data. A possible way to mitigate risk is to compile several data feeds (sub-oracles) into one main feed (Master-oracle).

Scenario 2b: Event-Driven Distribution using Oracles and Multi-Signature Escrow

CurrentOwner has 100xyz shares. At EventDeath of CurrentOwner [n]xyz transfer to AccountEscrow - a three-key multi-signature escrow account. Keys held by CurrentOwner, NewOwner, Escrow (up to user discretion however it is suggested an unbiased third-party such as a licensed attorney hold the third key). Advantages of this is if an oracle makes a mistake, CurrentOwner can receive xyz simply by signing and having Escrow sign. By integrating the oracle feed instead of just multi-signature escrow, it prevents NewOwner and Escrow from conducting unauthorized transfers prior to EventDeath. A disadvantage is manual intervention and necessity to create separate escrow accounts for each recipient (unless a master recipient is elected – which is ill-advised). Our future plans are to integrate a decentralized oracle solution if and when that comes to market and is fully tested in similar situations.

#### Oracles

While our future goals involve the implementation of fully decentralized oracles, there are current technology limitations which require the use of traditional oracles to give our smart contracts real-world (external) awareness.

The two key components of oracle integration consist of 1) Hardware data including usage, payment flow, and similar information to enable the smart contracts to accurately calculate revenue distributions based on stake percentage and 2) data from relevant sources to power event driven distribution of assets as described in the Smart Contract section under (4) OwnershipManager

## Usability

The MyBit application will be accessible through a web application (GUI) that will be optimized for MetaMask but will run on any decentralized browser such as Mist. Our goal is to implement a mobile application utilizing the status.im mobile browser for decentralized applications.

A vast majority of the MyBit platform will be open-source and distributed under the MIT (or GPL) open-source license. Certain modules will remain open-source and available to the public for review and development, while some modules such as any custom integrations will be private and owned by the MyBit Foundation or the entity they have been licensed to. A standard REST API will be made available to developers free of charge, while a built-out API will be available to enterprise for a licensing fee.

## 5. Business Model

### Overview

The MyBit platform is designed to facilitate and secure the process of investing in decentralized infrastructure, beginning with decentralized power grids. By enabling investors to easily tap into revenue generating assets that have previously proven burdensome or unavailable, MyBit has the potential to disrupt current models that have limited reach, scalability, and a majority of the money flows to the top. Leveling the “playing field” for everyone is predicted to have extraordinarily advantageous economic and social benefits.

After a successful deployment of the initial MyBit core application in the decentralized power grid sector, entities from other verticals may elect to contract the MyBit Foundation or MyBit.io to design, build, and deploy additional industry-specific implementations. If the MyBit Foundation is contracted, bids will be accepted by any company that meets the requirements. The Directors of the Foundation will make the final decision of what company or group of companies will be hired to complete the work. If MyBit.io is approached directly, they will assess the project scope and enter into a contract if they can fulfill all requirements. If MyBit.io requires assistance, does not have the manpower (at time of contract), necessary operating cash, or believes they cannot fulfill the entire project scope, they will forward the request to the MyBit Foundation.

Revenue from additional implementations or custom projects after the milestones outlined in the crowdfunding terms are completed will be the property of the entity which completed said work. However, this does not mean network participants will not benefit from future functionality updates or industry integrations. Adoption by other industry-verticals resulting from custom integrations, increased ease of use, or functionality

components will result in an increase of network users, transactions, and overall usage which in turn results in revenue growth to be distributed among token holders and an appreciation in token value due to the principals of supply and demand.

## Legal Structure

**Parent Organization: MyBit Foundation (Swiss Non-profit)**

**Operating Entity: MyBit.io Limited (Swiss Entity, may elect transition to German in future)**

**Network Participants: Token Holders (Global, no borders, open to everyone)**

MyBit Foundation is in charge of the overall management and oversight to keep the MyBit network in good health. It will be in charge of managing all tokens, contributions, and other revenue flows. Currently it's board members include the directors of the MyBit operating company. Over time outside parties consisting of highly reputable and knowledgeable figures in the Blockchain space will be invited to join. Any major changes to the network will first be placed to a vote by the directors of the foundation before being placed into effect; however, it is ultimately up to the network participants.

MyBit.io Limited is the operating entity that will be contracted by the foundation to build and deploy the core decentralized application as well as be a candidate for future implementations. Please note that the foundation ultimately has the final decision as to where funds will be allocated and what companies will be contracted. Some functionality, security audits, etc. may require third-party vendors and service providers to work independently or jointly with MyBit.io Limited.

Network participants consist of token holders who ultimately control the direction and ongoing success of the MyBit network. Participants will receive revenue distributions proportionate to their percent stake from all transaction fees associated with using the MyBit platform. Anyone can become a network participant via the purchase of MyBit tokens during the crowdfunding period, on an exchange, or via a private party.

## 6. Team

Our team brings a fantastic mix of Software Engineers, Blockchain Technocrats, Design Experts, Consumer Product Marketing & Branding Specialists, and Enterprise Application Sales Strategists.

**Alex Dulub** – Solidity Developer



Alex brings 10+ years experience in designing high-performance and functional enterprise applications. Several years ago he began to focus on Blockchain and Decentralized technologies of which he has created various, custom cryptocurrency and smart contract solutions for a wide range of business applications.

**Pedro Barros** – Full Stack Developer



Pedro has 6+ years experience as an engineer and has built applications ranging from simple mobile apps to robust enterprise software. His specialties include Angular2, Ionic, Ruby on Rails, Nodejs, and cloud application deployment, to name a few.

**Ian Worrall** – Decentralized Solutions Architect / Entrepreneurial Background in Finance and SaaS



Ian has been involved full-time in the Blockchain industry since early 2013 when he began a small mining operation that grew rapidly. Since then he has managed a company that builds custom software for small businesses up to large corporations. His true passion is decentralized applications and the potential they have to disrupt traditional business models.



**Jacob DeBenedetto** – UI/UX Designer



Jacob brings 5+ years of software development and graphic design to the team. He has experience designing and implementing incredible user interfaces across a variety of application verticals.

**Thomas Pollan** – Enterprise Business Applications / Sales & Strategy Background



Mr. Pollan has over 30 years of business consulting and business start-up experience. Mr. Pollan's roles have included Senior Director, Client Principal with Hewlett Packard Enterprise, Senior Partner with Accenture, and founder and President of Pollan Enterprises, a multi-million dollar holding company for new start-up businesses.

**Garrett MacDonald** – Blockchain Design / Entrepreneurial Background in Bitcoin and Blockchain



Garrett is a passionate innovator who has been involved in the Bitcoin/Blockchain industry since 2011. He crowdfunded what became a million-dollar bitcoin mining company when he was in high school, and has advised for various startups and corporations. Now he is focused on making the world's energy situation sustainable using Blockchain.



**Ching Pong Siu (Kenji) – Chief Technology Officer**



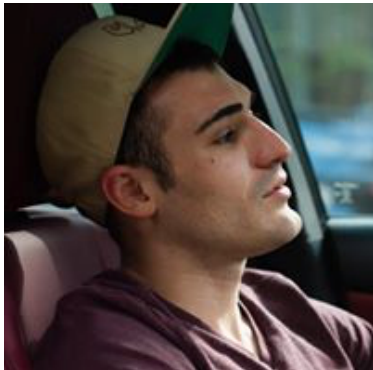
Kenji has an immense background in web development and bringing products to market. He is highly efficient in back-end programming languages, Solidity, Web3, various cloud & database technologies, and has prior experience as CTO of a rapidly growing tech company out of Hong Kong/China.

**Hua Li – Chinese Community Manager**



Hua is in charge of managing our Chinese community including translation work, engagement, and managing social media channels in his region.

**Jake Vartainian – Community Manager**



Jake is the founder of cryptdex.io and has unbelievable experience in the Blockchain space. His past work speaks for itself, just google him.

**Fran Strajnar – Escrow Manager**



Fran is Founder and CEO of Brave New Coin, a highly reputable and trusted digital content provider catering to the Blockchain space. Fran both advises MyBit on marketing strategy as well as managing escrow to protect investor funds. He has played this role in many of the most notable Blockchain tokensales to-date.

**Bogdan Fiedur – Solidity Dev**



Bogdan has been involved in the software industry for decades and is a top solidity developer globally. He has successfully ran a company for over 20 years and is now highly engaged in the Blockchain industry with a focus on decentralized applications.

## Advisors

Peter Kleissner



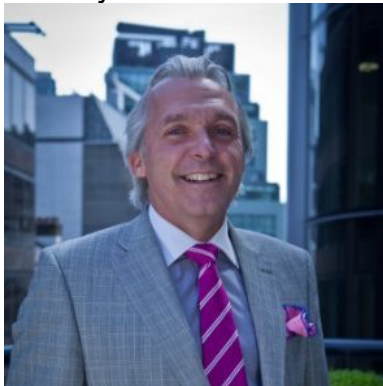
Peter is a top-security researcher and hacker. He developed AV Tracker and Stoned Bootkit. AV Tracker was the largest monitor of Botnets in the world and was built out in a software as a service model which was acquired by renowned Looking Glass Cyber Solutions.

Dr. Mihaela Ulieru



Dr. Ulieru sits on many notable boards and holds many advisory positions to elite companies and high-ranking government entities. She is a policy expert for the world economic forum. Her true passion is facilitating the creation of the “equitable economy” for socioeconomic benefit.

Nick Ayton



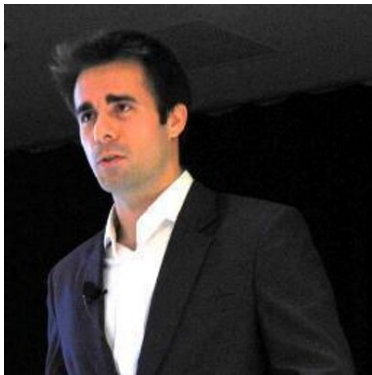
Nick is a public relations and media guru that has been a part of top token sale campaigns, Blockchain companies, and is a contributor to many media outlets. He formally held a high-ranking position at Siemens.

Mitchell Loureiro



Mitchell is a marketing genius and currently the interim – chief marketing officer for Steemit. He advises MyBit on efficient and effective marketing strategy as well as content oversight, messaging, and branding.

Alvaro Portellano



Alvaro has a deep background in renewable energy, innovation, and emerging markets. He is currently Manager of Policy and Regulatory Affairs overseeing the Mexican market for Iberdrola. He was also partner in a venture capital firm.

## 7. Utility of the MyBit Token

This is a brief blog post explaining the uses of the MyBit Token (MyB). There are 3 core utilities and monetization structures.

1. Price of Token Appreciation (and possible depreciation)  
Since there is a fixed supply of MyBit tokens, the law of supply and demand is applicable. It can be theorized that as demand for the MyBit token increases – due to an increasing amount of platform users – price will follow suite and rise. Please note that the inverse of this can also occur if there is a lack of demand.
2. Passive Network Transaction Fees  
All transactions flowing on the MyBit network are assessed a fee (currently planned to be 1%, but we have been discussing adding a small 0.1-0.25% fee ontop of that to go directly to the MyBit foundation to finance ongoing operations and long-term development). It is important to note that while everyone dislikes fees of any sort, compared to traditional funds that charge 10-20% for these types of investments, MyBit's fee is highly appealing. Just for holding MyBit tokens, you will be paid a portion of the 1% network transaction fees proportionate to your stake divided by total supply of MyB.
3. Investing in revenue generating IoT Assets  
For active investors, this is the core utility of the MyBit token. Investors can spread their money across a wide range of revenue generating assets and receive a stable return similar to a fixed-income bond payment, but at a higher percentage than what government and corporate-backed bonds offer. The extra percentages are derived through leveraging technological efficiencies (such as eliminating middle men, brokers, and other forms of intermediaries) to put more money into the pockets of investors.

## 8. TokenSale Info:

Please review this [Document](https://medium.com/@MyBit_Blog/mybit-tokensale-all-the-details-here-4b43e4fcae3c) ([https://medium.com/@MyBit\\_Blog/mybit-tokensale-all-the-details-here-4b43e4fcae3c](https://medium.com/@MyBit_Blog/mybit-tokensale-all-the-details-here-4b43e4fcae3c))

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