



Bikechain Network

Decentralized Bike Sharing on the Blockchain



Everywhere in the world

where there are people, there are tasks to be done, jobs, and travel. The easiest form of transportation is to walk. Second to walking the bicycle helps people all over the world get from one place to another. Bikechain (BKC) will serve as a worldwide network for bike owners and bike riders to connect.

Welcome to the Bikechain

Using the bikechain website or mobile application, users will upload their info to designate if they are a bike owner, bike rider, or both. Owners and riders alike will have to verify their identification (as outlined in ecosystem) The unique identifier on bikes usually exists on the bottom bracket of the main frame. This will connect the bike to the bikechain.

A rider can logon to blockchain.network to see all available bikes on a map and the cost to rent. Peer reviews from riders and owners rate their experiences and trust is established.

Rent will be calculated based on the bikes MSRP less depreciation value and the amount of time it is to be used. A bike will be rented and placed back at the original location and smart contracts will settle payment automatically.



Bikechain

Fundraising



This will be an ERC-20 crowdfund. We have used our own resources thus far to work on this project and have built a BTC exchange engine for use with our ICO. The symbol for Bikechain is BKC. We have minted a fixed 100,000 coins, and built a dynamic crowd sale smart contract based on Ethereum block number. The sale will open at block number 4647526 and will commence on Dec 1 2017. Rate will start with 200 BKC per ether and decrease as block number increase. 143 2nd year, 111 3rd year, and so on.

We will rely on CoinMarketCap API for BTC rate. And we are maintaining full ETH and BTC nodes to execute the exchange. All smart contracts and the exchange service are fully tested and ready to go.

The main hurdle immediately will be adoption, we feel advertising and user advocacy can help bikechain spread quick and easy.

The short and long term goal of the founders of blockchain will be to reinvest earnings back into the project.

Bikechain is raising money for the purposes of project development and to build the infrastructure.

Our monthly expense structure will be outlined as follows:

- ✓ Infrastructure and development
- ✓ Operating Expenses and legal fees
- ✓ Research & Development
- ✓ To recover the costs out of pocket for ICO

Bikechain Ecosystem

It is estimated that there are over 2 billion bikes in the world¹. And 100 Million bikes are being produced each year. The number of people involved with bikes worldwide is completely phenomenal. Bike production worldwide outpaces cars by over 2:1². In Europe alone bike manufacturing employs over 600,000 people. In the US 12.4% of all americans bike for recreation on a regular basis. \$23 per american consumer per year helped the industry reach \$17.4M bikes sold in 2015³. We won't even get into the China's fascinating numbers on bicycles, but we encourage you to check it out on footnotes 1 and 4.

Bike sharing began in Europe and has been around since the 1960's! Today, bike share programs are in close to 1,000 cities and have an inventory of over 800 bikes⁴.

Bicycling has enormous benefits for everyone using them including businesses and small/large cities. The recent craze for being healthy and fit all over the world has not only brought La Croix maker National Bev Corp massive earnings⁵, but it's also made cycling a preferred alternative of transportation for several reasons⁶.



Barrier of Entry

Barrier to entry is lower, allowing for more people to have access to them



Lighter Footprint

Reduction in road wear therefore saving taxpayer dollars



Decrease Vehicle Traffic

Traffic congestion is a major problem worldwide, bicycles greatly help solve this problem



Fuel Alleviation

Bicycles consume only the food you eat as fuel, reducing cost of ownership and pollution



Efficient Space

Storage of bicycles requires less space and security than motorized vehicles



Healthy = Happy

Bicyclists are generally more fit, leading to healthier, happier employees and business owners

1. <https://blogs.worldbank.org/publicsphere/cycling-everyone-s-business>

2. <http://www.worldometers.info/bicycles/>

3. <https://www.statista.com/topics/1686/cycling/>

4. https://en.wikipedia.org/wiki/Bicycle-sharing_system

5. <https://finance.google.com/finance?q=NASDAQ%3AFIZZ&fstype=ii&ei=P-MaWrD-JInFjAHouZ3ACQ>

6. <https://goo.gl/2eUQcF>

Bikechain Ecosystem Cont.



All of these supporting facts leads this team to believe that a bikechain network will further the affordability of using and accessing bicycles. Here are some of the uses we believe the network will bring to the world.

- ✓ Transportation to and from work
- ✓ 23 Billion dollars in spent on getting kids to school, almost none of it is on bikes⁷
- ✓ Food delivery service - restaurants contracting bike riders
- ✓ Charity's can give tokens to inner city foundations for bike rentals
- ✓ Delivery service of any kind
- ✓ Provide inventory and resource to bike sharing programs across the world
- ✓ Cyclists wanting to be fit do not necessarily want to spend thousands on a race or track bike⁸
- ✓ Financially stressed individuals and families simply need access to a smartphone to enjoy the benefits of transportation and fitness
- ✓ Enjoying mother nature, such as joining your friends mountain biking
- ✓ Being green
- ✓ Enjoying cheap or no-cost parking
- ✓ Blockchain enthusiasts are able to support the eco-system in a fun and healthy way
- ✓ Riders will be all ages and sizes

7. <http://money.cnn.com/2017/07/25/technology/culture/bike-student-transportation/index.html>
8. <https://goo.gl/SVz5Ux>

Users will access the system via web or smartphone application. The three parts of the bikechain will be.

- Smart contracts
- Coins or tokens
- Software

Bikechain

Ecosystem Cont.

Verification on both sides will require upload of photo ID. Bike owners will go through a photo process of their bicycle and notate flaws and imperfections which will be verified by riders upon rental. Length of rental will be determined on a time basis including eventual ownership of the bicycle. The mobile app will contain the location for a bike based on your needs. You will be able to see owner reviews and note/comments about the bike and owner. When you initiate the rental agreement instructions for access to the bike will be given.

Coins will be held in escrow at the time of rental and cleared to the owner upon verifying bikes condition upon return either by the owner, or the next renter. All participants in the bikechain will maintain a high level of ethics, honesty and cleanliness. Bike owners will be safeguarded from theft by seeing exactly who is in possession of the bike. Theft may naturally occur, but if it happens while rented it is the responsibility of the rider.

The initial launch will plan to be in the Kansas City, MO DMA. The following is a brief outline of the adoption process.



Theory and research

Assemble team

Build Website and Mobile App

Whitepaper

ICO / Fundraise

Development and R&D

Sales model / Pricing structure

Implementation

User Adoption

Growth

Financing

We're getting the numbers in gear.
We will be sure to update when they're ready for the road.



Our Expert Team

Michael Arbach

Michael is a business-oriented software engineer with over ten years of experience in backend development and distributed architecture. As a Senior Developer of our blockchain solution, he is building and coordinating the core functionality of WeGo.



Christian Salazar

Christian's passion for financial statements, company profitability and growth will add a consistent and ethical business practice to bikechain. From selling software to car dealerships to helping market online products his experience translates to a hands-on approach to delivery customer satisfaction and retention.



Employee Option Pool

We are seeking motivated entrepreneurs and blockchain enthusiasts to join us in our world-wide revolution.



Conclusion

The bikechain will have several advantages with the first being the bikechain isn't dependent on other humans. Meaning, a bike only needs 1 person for operation (generally). Cycling is a super efficient and low cost means of transportation and fitness. Bicycling also encourages friendship and many children and adults bike in groups of two or more.

The bikechain network serves in a similar fashion to what Uber did for the ride-sharing and Taxi industry.

Most bike sharing programs today require its users to be over 18. This is a flaw since they can operate motor vehicles at 16. Most bike-sharing programs today only have a one size fits all bike, the bikechain will have all different kinds and sizes of bikes. The simplicity of this project is highly attractive and the benefits and upside potential for the world could be astronomical.

