

thedome
platform

Whitepaper

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1 Abstract

Decentralization. Accessibility. Simplicity. These are the three basic words underlying the Dome project. The idea of creating a global Wi-Fi network is not something new. We've found the solution to how to upgrade it and make it happen today. With the increasing popularity of blockchain technology more and more projects start to implement it in different business areas yielding outstanding results. Our solution is to use the blockchain technology to create a global Wi-Fi network. We believe that this decision will give us the opportunity to speed this process up and make it a lot easier for everybody.

2 Introduction. Defining the problem

What drives the creation of the global Wi-Fi network using blockchain today? The answer is simple – high charges for the 4G(LTE) data usage in developed countries, poor connection and low data transfer rates.

Figure 1: Costs of 4G (LTE) data usage in developed countries as at 07/26/17

Country	Mobile network operator	Cost of 4G(LTE) data usage \$/1GB per month
China	China Mobile	45\$(2GB)
	China Unicom	28\$
South Korea	SK Telecom	36\$(1.2GB)
	KT Olleh	35\$
	LG U+	35\$ (1.3GB)
UAE	Etisalat	28\$
	Du	28\$
Canada	Bells	40\$
	Rogers	70\$ (2GB)
Japan	NTT Docomo	3600¥(33\$)
	KDDI	930¥ (8\$)
Great Britain	Three	12£ (15\$)
	Vodafone	17£ (23\$)
	Orange	10£ (13\$)
Germany	O ²	20€ (24\$)
	Vodafone	22.50€ (26\$/2GB)
France	SFR	15€ (2GB)
	Orange	12€ (2GB)

As can be seen in Figure 1, costs for 4G (LTE) are too high in most of the represented countries, it makes 3-8% from monthly users' income on average. But the main problem is that heavy loaded 4G (LTE) network in big cities doesn't work in a proper way because of the large number of connections, which result in a significant reduction of connection speed and bandwidth.

One more very important factor is the high charges for the 4G(LTE) data roaming. The Dome Platform will enable the internet connection in any part of the world using DME tokens, which is much cheaper, practical and secure due to blockchain technology and smart-contracts.



3 The essence of Dome project. Problem solved

The idea of implementing the blockchain technology and Ethereum smart-contract into the creation of global Wi-Fi network, in our opinion, is based on a fact that people are not motivated to share their personal Wi-Fi networks. This is explained by the heavy load on the network which slows down the data rates and could result in a higher payment for the internet connection without any compensation. We believe, that all current solutions on the market that provide user with the opportunity to share their network without permission and payment are not fair enough. We offer users a platform that will allow a transparent and secure way to share and control your personal or business network using DME tokens.

The Dome Platform offers a sort of token mining by sharing your Wi-Fi network. This would incentivize people to use the Dome Platform to compensate their internet payments and even to earn some money from it. The creation of The Dome Platform will allow users to dismiss high payments plans for the 4G (LTE) data that they could be using and use the internet without any restrictions worldwide.

4 How it works?

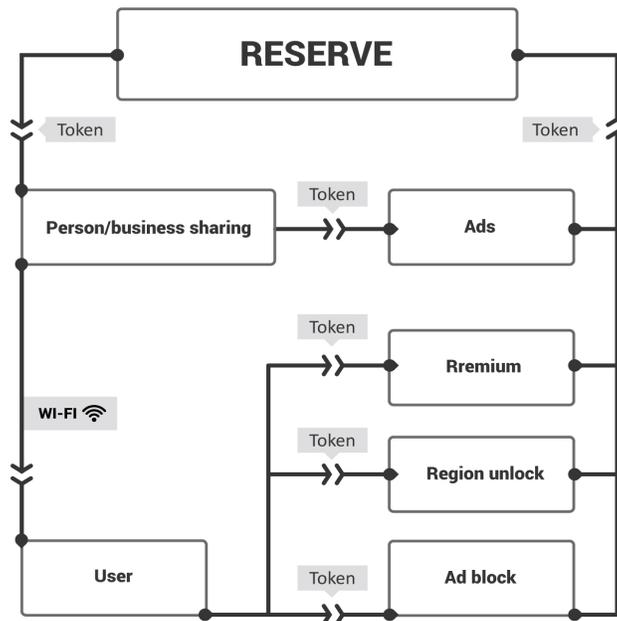
4.1 For regular user:

By signing up and connecting to the platform, you automatically unblock the region (country) or several regions (depends on project development stage), where you will be able to use internet without any restrictions. Share your Wi-Fi network and get tokens, which could be traded or spent for the in-app purchases such as: unblocking new regions if you are travelling or Adblock to get rid of advertisement, etc.

4.2 For businesses:

Register your company in the Platform app and share your Wi-Fi, the more people use your network – the more tokens you get. Trade tokens or use them in app to purchase advertisement for your business. Your advertisement will be shown to every person, who connects to your network.

Figure 2: Schema





5 Market Review

There are some similar projects on a market now, but most of them are outdated and are not supported by developers any more, also none of them use blockchain technology and smart-contracts in a way we do. Our goal – is to modernize the idea of creating the global Wi-Fi network using blockchain technology and smart-contracts. Due to high charges and poor quality of 4G (LTE) network, according to analytics, the overall percentage of worlds internet traffic for Wi-Fi network is 60%. This percentage rate would expand up to 75% for developed countries by 2019. These records explain the incredible relevance of The Dome Project and the necessity of its realization. Usage of The Dome Platform will allow to speed up the transition from expensive 4G data to optimal network sources

6 Crowdsale Details

DME Token – is a smart-contract on the Ethereum platform. Its design follows widely adopted token implementation standards known as ERC20.

DME could be used for in-app purchases. Ownership of DME token carries no rights other than the right to exchange over the Dome Platform. DME token does not represent or confer any ownership right or stake, share or security or equivalent rights, intellectual property rights or any other form of participation relating to the Dome Platform. **The**

DME token sale will be open to the general public via an Ethereum Smart Contract.

Tokens deployed in total: 90,000,000 DME

Date & time: To be announced

We have come up with the following system of bonuses to early contributors incentivize early contributors:

Bonuses:

20% first 24 hours

15% 48 hours

10% 72 hours

0% after 72-hour (3 day) bonus program.

If the reserved amount of DME for bonuses is fully used before 72 hours passed, the



bonus program will be ended. If the bonus reserve wasn't used before the end of the program, all the DME tokens will be transferred to the reserve fund.

Duration of the crowdsale: 30 days

Token launch completion: Token sale would be over either when all the tokens are sold or the 30-day period is over.

Accepted currencies: Buyers during the initial sale will acquire DME in exchange for Ether (ETH), the sale will be administered by an Ethereum Smart Contract.

Exchange rate: 1 ETH = 1750 DME tokens

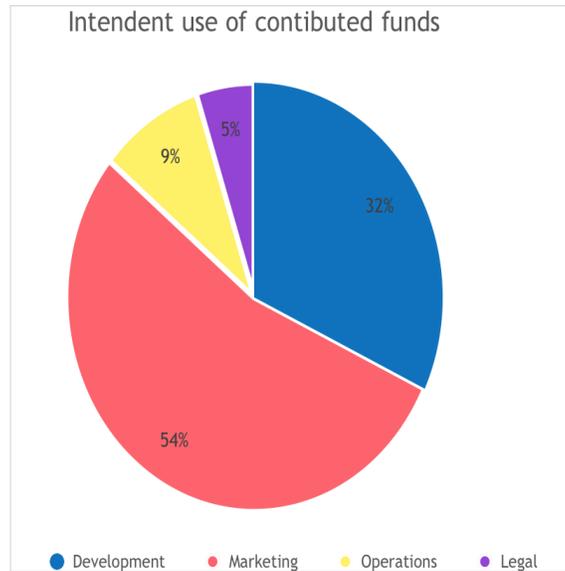
Token distribution:

1. 60,000,000 DME sold during the crowdsale.
2. 25,130,000 DME sent to the Dome Platform reserve fund.
3. 2,800,000 DME reserved for bonuses during the first 72 hours.
4. 270,000 DME reserved for marketing bounties and bonuses.
5. 1,800,000 DME reserved for developers and advisors.

If the sale ends without selling the full amount of 60,000,000 DME, any remaining token will be transferred to The Dome Platform reserve fund and will be available as in-app purchase once the platform is launched. The tokens from reserve will also be used for rewards to users who shared their Wi-Fi network. There won't be any additional deployment of tokens. The number of 90,000,000 DME is final and can't be changed. DME tokens will be available for trading in a few days after the ICO end. Marketplaces will be announced within 7 days after ICO.

No U.S. or Singapore Purchasers: DME Tokens are not being offered during the initial sale to U.S. Singapore individuals. If you are a citizen, resident of, or a person located or domiciled in the United States of America or Singapore, including any corporation or partnership created or organized in or under the laws of the United States of America, or Singapore do not purchase Tokens.

Figure 3: Diagram for distributing the ICO funds



7 Project Plan

\$1.5M Beta-launch of the platform, testing. Public launch of the platform. Context ads for businesses

\$3M Placing “The Dome Platform” hotspots in big cities to improve the connection and speed quality. Creation of the in-app social network, where users could get in touch with each other and transfer tokens with no fees.

\$7M Extended sharing reward. Expanding the number of ‘free’ areas and countries. Premium accounts for businesses and regular users. Placing “The Dome Platform” hotspots in rural areas to expand the network area.

\$10M Developing the program for optimization of the internet charges in most developed countries and least developed countries by using The Dome Platform. Developing the marketing partnership program for expanding the network worldwide

8 Future outlook. Monetization. Partnership.

The Dome Platform would not only become a great alternative for expensive 4G(LTE) data networks, but also a powerful platform for businesses by integration of the inexpensive contextual advertising. Placing The Dome Platform hotspots in a big cities will allow to split the load on Wi-Fi network and keep the internet speed high. The Dome Platform



hotspots could be rented for low payment to allow users earning on sharing the signal (opportunity for the major buyers if the \$ 3M goal is reached, details to be announced). Also, it is planned to create a social network inside the app, where people would be able to transfer DME tokens to each other with no fees and communicate (if goal reached). But the most important goal of the Dome Platform project is to develop a partnership program which involve marketing contracts with travel agencies, airlines, car/estate rental services etc. to make the Dome Platform worldwide app #1 for tourists. The potential is huge. This will allow to optimize the internet charges for data roaming and even in the least developed countries.



9 Roadmap

TABLE 1 Timeline

June-July 2017	Market and Technical Research
August 2017	Whitepaper Released
September 2017	DME Crowdsale
October 2017	Alpha Test
November 2017	Closed Beta Launch
January 2018	Public Launch
2018-2019	Further Research and Development

10 Conclusion

The Dome Platform- is a very perspective project with a great potential of becoming a worldwide used app and has a great investment potential. The realization of The Dome Project will not only allow every user to dismiss high charges for 4G (LTE) data and especially data roaming, but also to create a modern business platform which allows to earn and promote different projects. We hope that our innovative idea of creating something that was not done before, our enthusiasm and desire to make this world a better place will be supported by a giant number of people worldwide. Together we can do it!