



## SAND COIN

The world's first electronic option for  
high-quality sand

[sandcoin.io](http://sandcoin.io)

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# 1. Introduction

We are proud to introduce the first ever sand quarry project funded through raising cryptocurrency via creating a blockchain option for mining non-metallic materials. SAND COIN is a blockchain derivative based on a real product.

The goal of the project is to raise funds via a blockchain system and an ICO to develop a sand quarry in the Moscow Region. Through creating a real product based blockchain option for a low price and issuing SAND COIN, which includes entering the cryptocurrency market and subsequent buy back, we offer a profitable asset to interested investors.

## Objectives:

Raising funds for financing the sand quarry development.

Sand quarry development, building infrastructure and purchase of equipment, acquisition of the final required documentation.

Mining and sale of the product

Development of new quarries under the SAND COIN project.

Integration of partners - other sand quarries and non-metallic material deposits into SAND COIN.

## Positioning:

The creation of a new economic system for the non-metallic material and construction business via the blockchain technology, which would allow business owners, investors and private entities to participate in the development of a new digital economy, for profit.



## 2. Problems

Moscow and the Moscow Region are one of the most ineffective areas in terms of transportation infrastructure and logistics. Millions of people are constantly faced with congested highways and motorways, which influences business development and ecological situation on a negative way.

At the moment there are several new infrastructure and transport projects planned and already underway in Moscow and the Moscow Region, which include:

Central Ring Road (ЦКАД) - 525 km in length.

Railroad connection along Central Ring Road

A new highway Moscow - Noginsk - Nizhny Novgorod - Kazan - more than 800 km in length.

There was also made a decision to demolish old and unfit residential property within Moscow, with plans to build new modern housing units in place of the demolished ones. This plan was endorsed by President Vladimir Putin. There are plans to build 60 million square meters of new housing.

Sand is a universal material necessary for building roads, house construction, reinforcing new buildings and those under reconstruction. More than 150 millions of cubic meters of sand is required for road construction just in the immediate vicinity of our sand quarry.

### 3. The Project

We own a 109 hectare (269,354 acres) plot of land in the Moscow Region. The land is situated 60 km away from Moscow and 10 km away from the construction site of Central Ring Road junction.

The fortunate transport accessibility and direct proximity to the construction of road infrastructure makes our land an attractive area for future development into a mortar sand quarry.

This land is valued at \$1.8 million as a real estate property, without the value of prospective sand mining.

We have the license from the Russian Federal Subsoil Resources Management Agency to prospect subsoil for sand on our land.

Based on the survey made with 16 drill holes on the grid of 300x300 meters and 5 boreholes on the grid of 300x300 meters, we can evaluate the sand resource of the R1 category, and in the near future confirm the presence of the sand resource of the S2 category. We have conducted appraisal drilling with core extraction and testing samples extraction. The drilling was conducted up to 16 meters in depth, and yielded the following results:

Topsoil 0,15 meters (stripping 15 centimeters)

Sand, medium and coarse to the depth of up to 16 meters

Water cut from the depth of 4 meters

It's worth noting that mining would not be conducted on the total area of the land plot, but only in the borders of the mining claim so as to comply with the legal regulations. In this case the total area of the sand quarry development will be 90 hectares (222,39 acres).

The water cut facilitates sand mining via hydromechanical extraction.

The total volume of sand is estimated to be 14.4 million cubic meters.

Extracted and ready for sale product will consist of grade 1 and grade 2 sand:

Very fine sand - fineness modulus of 1.0 - 1.5

Fine sand - fineness modulus - 1.5 - 2.0

Medium sand - fineness modulus - 2.0 - 2.5

Coarse sand - fineness modulus - 2.5 - 3.0

To supply the mining process we plan to provide 150 kW of electricity. It is also worth noting that the necessary infrastructure will include not only providing power grids, but the construction of outbuildings:

A building for the sales department, accounting and the administrative supply department - 300 square meters.

Housing for the mining staff to provide uninterrupted extraction of non-metallic materials - 250 square meters

To provide transport infrastructure we plan to build a 500 meters long and 8 meters wide asphalt surface entrance complex, which would allow year-round sand mining operation.

## 4. Project implementation plan

Our project is an opportunity to invest into SAND COIN blockchain option implemented through a blockchain platform and based on a real product - cubic meters of mortar sand.

The total volume of sand is estimated to be 14.4 million cubic meters.  
The average market price of 1 cubic meter of sand is \$5.30.

Estimated total earnings of the quarry -  $14\,400\,000\text{ m}^3 * \$5.30 = \$76\,320\,000$ .

The volume of sand sold during pre-ICO and ICO - 3.4 million  $\text{m}^3 = 3\,400\,000$  SAND COIN. The price offered to investors during crowdsale \$0.95 - \$1.35 = 1  $\text{m}^3$  (\$0.95 - \$1.35 = 1 SAND COIN).

Fundamental stages of the project:

Pre-ICO. July - August 2017.

During the pre-ICO investors will be offered to purchase a block-chain option of 230 000 cubic meters of sand (230 000 SAND COIN)  
1 SAND COIN = \$0.95

2) ICO. September - October 2017

During the ICO investors will be offered to purchase a block-chain option of 3 170 000 cubic meters of sand (3 170 000 SAND COIN)  
1 SAND COIN = \$1.25 - \$1.35

The minimal milestone of the ICO - \$1 175 000

3) Connecting power grids, construction of the infrastructure necessary for sand mining, purchase of equipment.  
October 2017 - April 2018

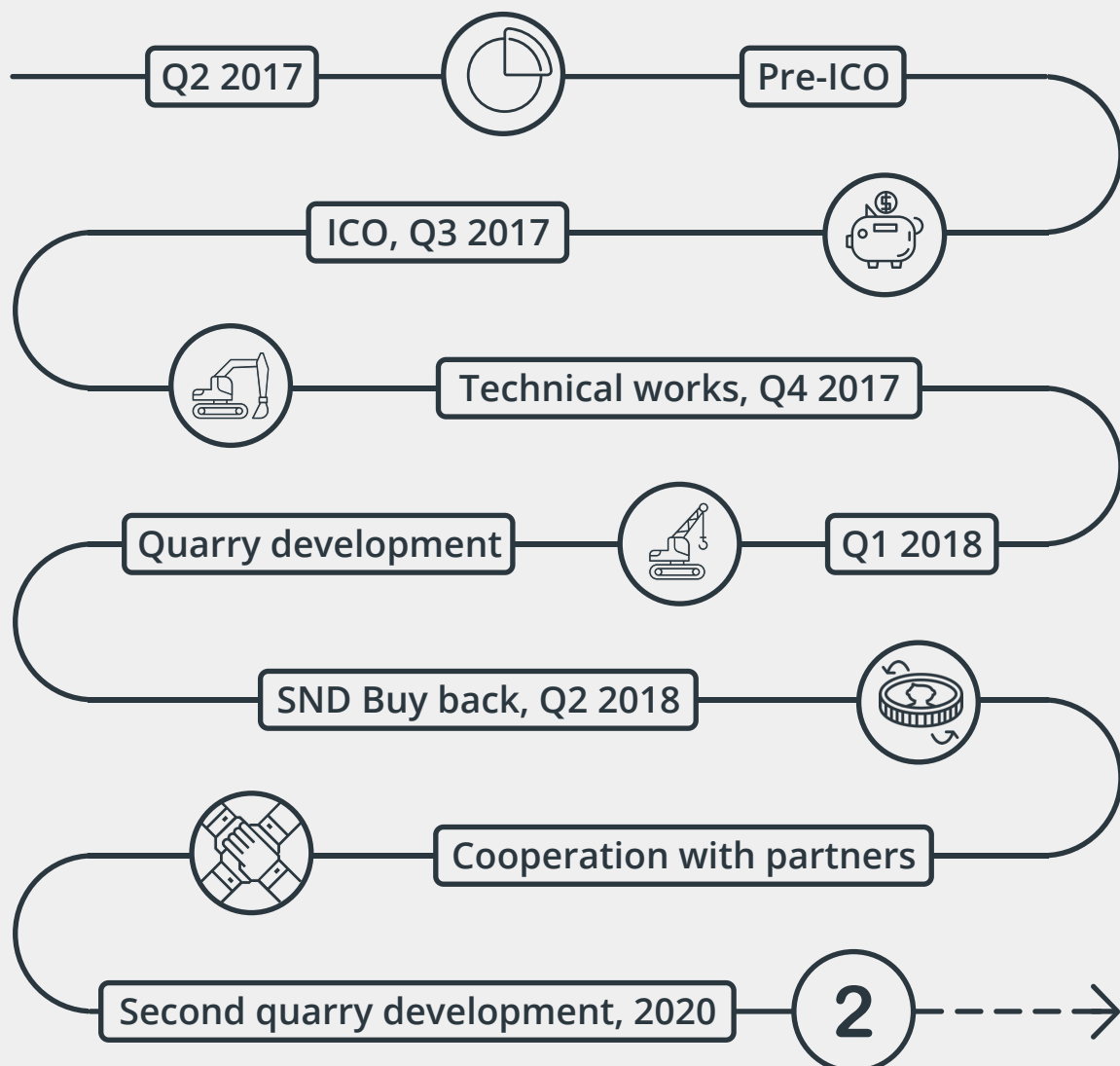
4) Conducting stripping work, the beginning of quarry development  
May 2018

## 5) The buy back launch July 2018

SAND COIN blockchain options buy back will start 9 months after fundraising ends. We plan to buy back 10% of SAND COIN with subsequent burning every year, until buying back up to 50% SAND COIN from the market. Investors will also have the right to exchange SAND COIN for an equivalent amount of cubic meters of sand (1 SAND COIN = 1 m3 of sand).

## 6) Partnering up with other non-metallic material quarries, connecting them to the SAND COIN system, February 2019

## 7) Launching the development of a second sand quarry, 2020





## 5. Financials

The project plan requires two stages of sand quarry development.

First stage includes:

Legal documentation preparation

Connecting to the power grid, lighting

Entrance complex construction

Outbuildings construction

First stage expenses - \$1 175 000

Second stage includes:

Stripping works

Purchase of equipment

Purchase of vehicles for sand transportation

Second stage expenses - \$2 353 600.

Monthly expenses: sand mining, staff salary, administrative costs - \$95 000.

Monthly earnings based on an average of 90 000 m<sup>3</sup> of sand mined (3000 m<sup>3</sup> a day) and an average market price of \$5.30 for 1 m<sup>3</sup> of sand -  $90\,000 \times 5.30 = \$477\,000$ .

Mining 1 cubic meter of sand costs \$1.25. The mining expenses will be gradually reduced throughout quarry development and equipment investment recoupment.

At the average rate of 90 000 m<sup>3</sup> of sand mined monthly, the quarry will be depleted in 13.5 years. After this we plan to start working on recultivating the land for fish farming or other appropriate economic activities.

During pre-ICO we offer investors a way to earn a substantial profit as soon as SAND COIN enters the market, considering the price of 1 SAND COIN (equivalent to 1 m<sup>3</sup> of sand) during crowdsale = \$0.95 - \$1.35.  
Average market price of 1 m<sup>3</sup> of mortar sand = \$5.30.

Based on this form of investment we expect a substantial increase in value as soon as SAND COIN enters the market, and equalization of the blockchain price later on, once the quarry development begins.

We expect SAND COIN to increase in value even more due to the buy back in July 2018.

Other price growth stages will happen due to the partnerships with other non-metallic material miners and their participation in SAND COIN in February 2019, and the launch of a second quarry development in 2020.

## 6. The team

Our team consists of builders, both open and closed pit sand mining specialists, engineers, non-metallic material quarrying specialists, chemists and managers with extensive experience in their fields.

We have built more than 2500 low-rise houses and sold more than 2000 hectares (4942,1 acres) of land. We have built and brought into service a facility for environmentally-friendly brick production from natural materials. Thanks to the efforts of our chemists working with Dmitry Mendeleev University of Chemical Technology of Russia and Moscow Automobile and Road Construction State Technical University we have created and implemented a new road construction technology, using recycled industrial production waste. With this technology we have built more than 100 km of roads. Our engineers participate in Russian forums and exhibitions, implementing new construction material technologies including those than use mortar sand.

ICO organizers have more than 15 years of experience in the construction market. We work with major road construction companies, residential developers in Moscow and state-owned construction companies.

Our experience and competence allow us to have full confidence that our goals will be reached. Considering the growing demand for non-metallic materials, we can assure you that SAND COIN will be implemented by professionals and will be in demand for years to come.

## 7. Conclusion

Construction market in the Moscow region is rapidly growing with each year, and with it grows the demand for construction materials such as mortar sand. Construction of new infrastructure projects such as Central Ring Road and extensive residential development in Moscow are the source of our confidence in the steady demand for our product for many years to come.

We offer investors an opportunity to purchase the mortar sand blockchain option for a lowered price. During the crowdsale the product will be available for the following price: 1 SAND COIN = 1 m<sup>3</sup> of mortar sand = \$0.95 - \$1.35, with the average market price of 1 m<sup>3</sup> mortar sand being \$5.30. Moreover, we plan to buy back up to 50% of SAND COIN from the market over the course of the next 5 years to increase investors' profits and support demand.

Attracting other conservative non-metallic material market actors to work with us within the SAND COIN system is our more ambitious goal. With the advent of blockchain technologies the world is changing, and the ways of fundraising change as well. We strive to keep up with the latest advancements and wish to offer our partners a way to become a part of this new technological paradigm of relationships between private individuals and businesses.

Being confident that our current mining capacity is not enough to satisfy the growing demand in our region, we plan to launch the development of a second sand quarry within two years.

The ideal scenario for us is to see the whole of our country's conservative industry and businesses move forward and embrace blockchain technologies and ways of fundraising. Our goal is to become the foundation of this change by being the first company raising funds for mining non-metallic materials through holding an ICO. Join us in this brave new world, where even the most conservative and close-minded markets embrace innovation and change.