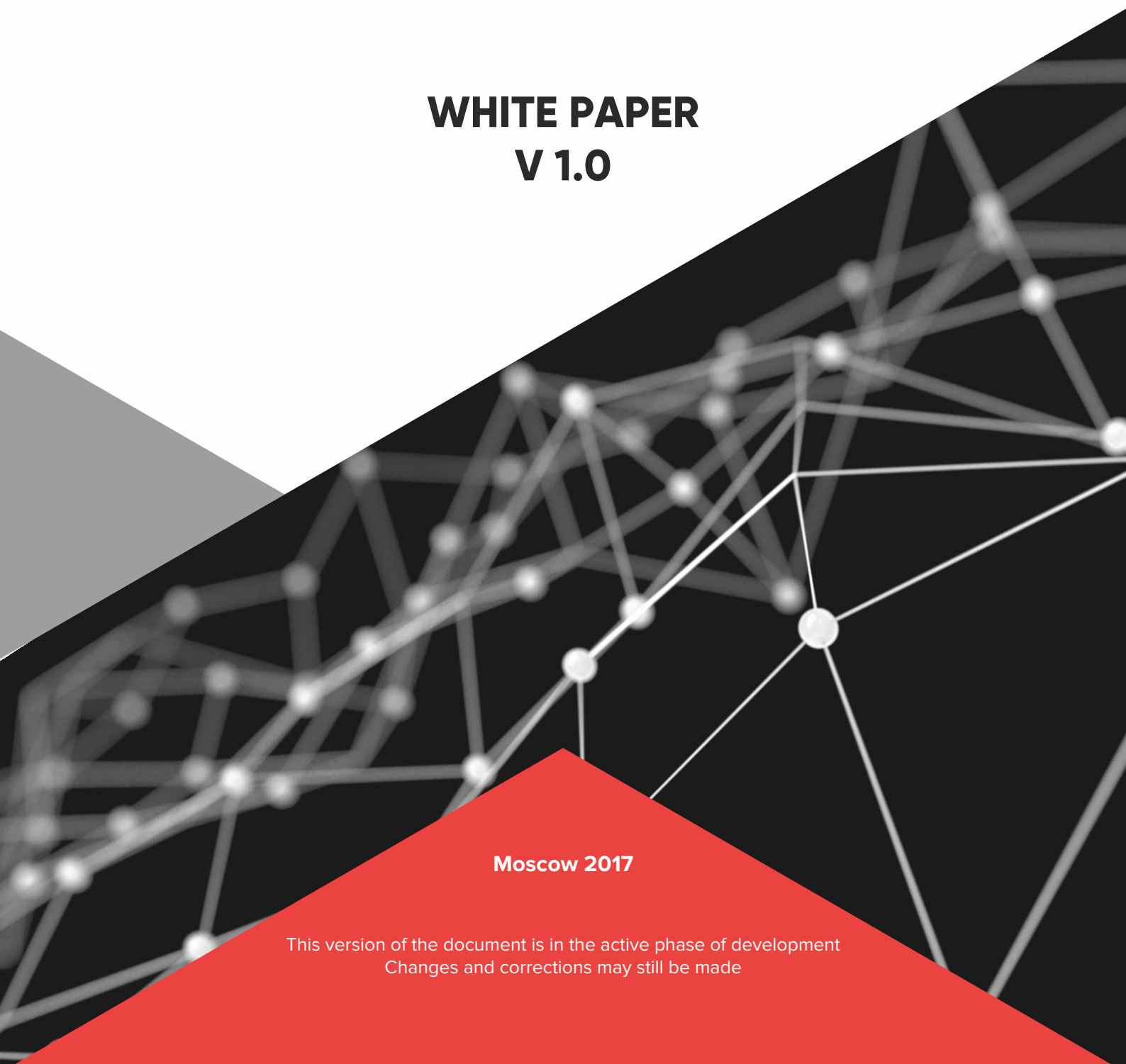
RUSSIAN
MINER
COIN

WHITE PAPER
V 1.0



Moscow 2017

This version of the document is in the active phase of development
Changes and corrections may still be made

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ESSENTIALS OF THE PROJECT

RMC – a project which brings together two ideas:
a) issuance of a miner of altcoins having MultiClet heightened energy efficiency;
б) participation of RMC Joint Mining Club members in the waiting period for the MultiClet miner to be ready.

WHAT RMC IS

Special features of the project:
a new generation MultiClet processor has been developed

We have already launched production capabilities – a 20 MW mining center in Technopolis (Moscow), two additional 20 MW units are under construction

Protection of investments thanks to time proven software – the Mycelium crypto-wallet (170,000 users, $1.5 billion funds of users on balance)

Own development of security chip ensuring advantageous conditions in the RMC Joint Mining Club (at the level of cryptography, the chip guaranties allocation of 20% to the joint mining fund)

III. 1 Essentials of the RMC project

1 Opportunity for everyone to become the owner of a next generation miner

2 To enter the closed Joint Mining Club of the Russian Mining Company

THE INITIAL IDEA WAS BORN WHEN TWO HIGH TECH ENTREPRENEURS MET:

the head of a company developing a MultiClet processor on the basis of the post Von Neumann architecture, Boris Zyrianov, and the manufacturer of dual purpose mining equipment, Sergei Bobylev. It turned out that MultiClet is the ideal solution for efficient work with cryptocurrency algorithms with the PoW consensus (bitcoin, Monero, Dash, Z-cash etc.) As a result of the meeting, the decision was taken to unite the technologies and bring to market the MultiClet miner for altcoins which, according to mathematical calculations, will be 35 – 200 times more efficient than equipment now being produced.

Since for optimization of the processor, manufacture of a test sample and start of production requires 10 months, it was decided to attract investors with the already developed solution, the Sunrise S11i line-up, which is sufficient for the work of the Joint Mining Club according to the given scheme:

- Sunrise miners are produced with a built-in security chip;
- They are sold to the population at cost;
- The equipment carries a 3-year guaranty, which makes the offer unique on the market;

When the miner is operating, 20% of the hash right is allocated to the Joint Mining Club account and is distributed among RMC Club members (90%) and the Club (10%). This makes the Club an interested party in its long-term work.

As a result, we get the largest decentralized farm in the world with the most effective economic results.

Thus, the RMC project makes mining accessible to the population, supporting the basic value of a blockchain network – decentralization.

GLOSSARY

M Mining is the activity supporting a distributed platform and creating new blocks with the possibility of receiving rewards in the form of new units and commission fees in various crypto-currencies, in particular, the Bitcoin. Payments are required to protect against repeat spending of one and the same units, and the reward stimulates people to spend their computational capabilities and to support the operation of the networks.

T The Russian Mining Coin (RMC) is a digital asset which gives the owner the right to acquire a new generation MultiClet miner based on a processor with multicellular architecture or the right to acquire a Sunrise miner at a special price. The owner of the coin also has the right to participate in the RMC Joint Mining Club.

M A new-generation Multiclet 28 nm miner based on a processor with multicellular architecture for altcoin mining.

M The 16nm Sunrise s11i is a miner which has no equals in its class, with the SHA 256 mining algorithm and pre-installed security chip, which transfers 20% of the capacity of the miner to the Joint Mining Club pool. Available in retail sales from September 2017.

K The Joint Mining Club is a community of owners of RMC coins which offers its members some free privileges and benefits that are described in the contract. Each Sunrise s11i miner allocates 20% of its computational power to the Joint Mining pool. Bitcoins obtained by the pool are divided between the participants of the Joint Mining Club among owners of RMC coins proportional to the number of RMC coins they own.

R Distributed mining is the technology of distributed output of cryptocurrencies which brings together low tariffs for electrical energy for the physical owner of the miner and a new productive line-up of equipment for mining in which part of the computational power belongs to the investor. The security chip on each hash board guaranties at the cryptography level fulfillment of the agreement on division of the computational power of the miner.

P The Russian Mining Company project is an open, decentralized system of full cycle development, implementation, production and management of innovative equipment for mining based on a security chip on each hash board and the leading chip of multicellular architecture with unique energy efficiency.

CHAPTER 1. THE PROJECT

1.1. RUSSIAN MINING COMPANY

The modern industry of world mining now has to answer several serious questions. Their solution will determine its future. Tendencies to consolidation of mining pools in one country – China, an absence of consensus between Chinese miners and the main players of the market greatly influence the development of blockchain technology. To resolve the accumulated contradictions, we need a technological breakthrough and it should be made by a company not in China. Release of a revolutionary product ensures a new standard of productivity of miners and will restore decentralization of the network.

Russia is a world leader of innovative technologies. An innovative processor with multicellular architecture, combined with the technology of decentralized mining makes it possible to create an effective distributed system from investors, producers and miners in which everyone is interested in the final result – efficient mining. For the development and industrial production of a line-up of new generation miners, a group of successful high tech Russian companies has joined together in the RMC Group, having created products for which there is nothing comparable in the world: a miner using the multicellular MultiClet S1 28nm processor for mining altcoins and a miner based on the 16 nm Sunrise s11i for mining the Bitcoin.

THE RMC HOLDING COMPANY CONSISTS OF:

1. OJSC MultiClet. Development of processors, a research office which develops highly productive and failure-resistant processor cores and processors with low energy consumption designed on the basis of Russian multicellular architecture, as well as devices based on them.

2. “SmartHeat” Design Office. Development of miners. The combination came in 2015, organized by successful entrepreneurs who had a great deal of experience in innovative business. Applying non-standard technological solutions, the founders of the company could combine new computational technologies with the need to use heating in Russia’s climate. Super-compact installations having great computational power produce calculations while simultaneously giving off heat which becomes almost free. SmartHeat also produces a device for working with distributed computations, both on ASIC processors and on GPU under the Pantech brand name which is widely known in Russia.

3. LLC Goodwin. Production of hash boards and software for microcontrollers. The Russian telecommunications concern was founded in 1997 for development, production and promotion of high tech products using the DECT standard. The company’s divisions include CJSC Concern Goodwin (Goodwin Europe), CJSC ERRI+ and CJSC Goodwin+, which develop and produce a whole spectrum of goods and software necessary for the deployment of communications networks in the DECT standard, as well as an array of

telecommunications equipment and household electronics for the consumer market under the Goodwin trade name. Our own high tech production (CJSC ERRI), located in one of the industrial zones of Moscow and equipped with modern automatic lines for surface assembly of printed circuit boards (SMD assembly) and testing systems of the leading manufacturers (Philips, Rhode & Schwarz, Samsung, Agilent). The concern also is a developer of base stations of the LTE standard, of a new generation of networks for 4G data transmission.

4

LLC Radius Group Production. Serial assembly of miners The system integrator RadiusGroup is specialized in developing complex hardware-software and engineering solutions for business. RadiusGroup has been working on the IT market since 1999 and is a successful and fast growing company. Key competences in the field of building modern engineering networks, development and deployment of complex Information Systems for managing structured and unstructured information, ERP-systems for managing an enterprise and systems based on electronic document flow. The company carries out a whole set of outsourcing services for information infrastructure, as well as outsourcing of software based on its own data centers.

1.2 TASKS

The priority tasks of the Russian Mining Company project are:

- development and deployment of the new generation MultiClet miners based on the S1 processor with 28 nm multicellular architecture;
- lowering the cost to purchasers of the Sunrise s11i miner;
- creation of a distributed mining network;
- organizing the Joint Mining Club.

1.3. THE 16 nm SUNRISE s11I MINER

The 16 nm Sunrise s11i miner for mining bitcoins has the following technical specification and advantages:

III. 2. Sunrise s11i Miner

Launch of the first shipment: September 2017

A fixed purchase cost for RMC: $1600*

*Price without VAT and other taxes in the receiving country. Taxes are paid by the buyer in addition.'

Basic specifications:

- Mining algorithm: SHA 256
- Full computational power: 22.6 TH/s of which:
  18 TH/s (received by the physical owner)
  4.6 TH/s (allocated to the Joint Mining Club)
- Power requirements: 2.3-2.5 kW
- Processor architecture: 16 nm

Advantages:

- Best ROI in its class
- Possibility of colocation in central unit of RadiusHost RadiusHost.ru
- Connection to the RMC Club by SSL

1.4 MULTICLET 28 NM MINER

The 28 nm MultiClet miner is the first in the world to work on the S1 processor with multicellular architecture. The MultiClet miner has the following technical specifications and advantages:

III. 3. MultiClet Miner

Current status:
the 180 nm chip is ready

Calculations have been made of productivity on the basic cryptocurrenies using the mathematical model of the 28 nm MultiClet chip

Processor:

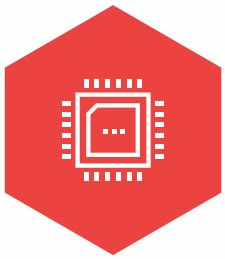
- The latest DSP processor (chip for mining) not on the basis of the Von Neumann architecture
- Multicellular architecture
- Dynamic reconfiguration - Simultaneous performance of multiple tasks
- Mining for altcoins with the PoW protocol of consensus

Advantages:

- Reduces electricity consumption by 200 times
- 3 year guaranty and ROI in less than 24 hours
- The most powerful and safest in the world

1.5. COMPARATIVE ANALYSIS

Comparative analysis of the bitcoin miners is presented below:

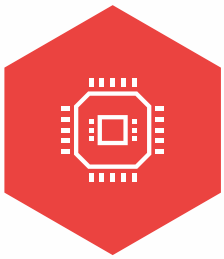


Pantech sx6

8.5 TH/s, 1.3 kW
$1,450

ROI – 12 months

Guaranty for less
than the ROI period!

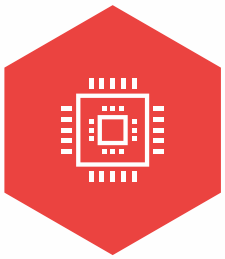


Bitmain s9

13.5 TH/s, 1.5 kW
$2,450

ROI – 12 months

Guaranty for less
than the ROI period!



Sunrise s11i

22.6 TH/s, 2.6 kW
$1,600*

ROI – 5 months

A RECORD INDICATOR
- 3-year guaranty

Ill. 4. Comparative specifications of the bitcoin miners

11.6. PRODUCTION TIMELINE

08.17 – 09.17

August – September 2017 –
Carry out the pre-ICO and ICO

09.17

September 2017 – launch of production of the new Sunrise s11i miner (BTC) with security chip and possibility of joint mining. Start of work on development of the MultiClet miner based on the obtained mathematical model of the chip.

09.17 - 07.18

September 2017 – July 2018 – research, development and creation of the MultiClet chip and miner, mass production and sale of Sunrise s11i miners.

07.18

July 2018 – exchange of 1 RMC coin for a miner and MultiClet Miner or continuation of joint mining on Sunrise s11i miners.
Start of production of MultiClet miners

07.18

July 2018 – September 2018 production of MultiClet miners depending on the number of RMC coins

10.18

October 2018 – launch of work of the MultiClet miners.

10.18 - 10.21

October 2018 – October 2021 - guaranty period of the work of the MultiClet miner

CHAPTER 2. THE SCIENCE

2.1 MULTICELLULAR ARCHITECTURE

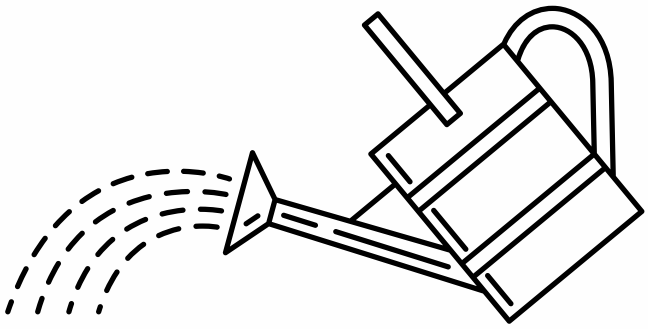
Brief basis of the architecture

The multicellular processor R1 consists of four cells.
The architecture encompasses the following four principles:

- The cells are independent and identical;
- There is no central control block;
- The cells can be joined together in any configuration in any quantity;
- One and the same program can be carried out on any number of cells;
- It works when there is a task to perform.

The R1 operational algorithm does not depend on the number of cells. Moreover, the cells are identical and it is not important in which of them one or another command is performed.

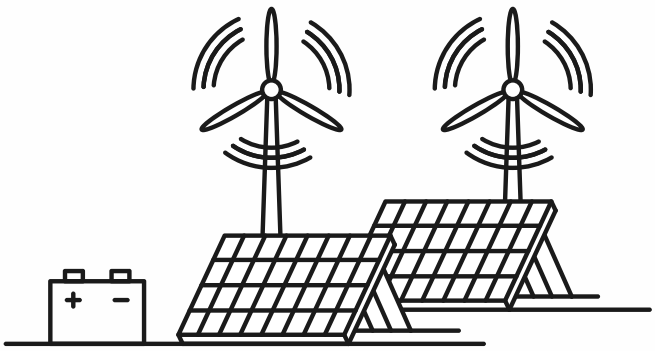
For example, imagine the usual garden sprinkler. You do not think about how many openings it has when you are watering your garden.



DYNAMIC RECONFIGURATION

High productivity is ensured by the multicellular architecture of the processor, which works more efficiently thanks to its dynamic reconfiguration. Reconfiguration is the capability of the cells to unite into a group without resetting the processor and it is distributed. For example, two cells can work on a computation. One cell on the periphery and transmission of information; the remaining cell, on analysis of the sensors.

SAVINGS ON POWER CONSUMPTION



A major competitive advantage of the architecture of this type is low energy consumption with maximal output. Low energy consumption is achieved thanks to the simplicity of the realization of the given architecture and use of the principle of wide-broadcast distribution.

The multicellular core does not do superfluous operations. It works when there is a task for it to do. Thus, the R1 represents a new class of processors. At the present time, no one has made such processors anywhere in the world.

The new qualitative advantages allow us to position the R1 as a principally new and highly efficient product of microprocessor technology. The S1 processor is being created on the basis of the R1 processor. Firstly, the MultiClet S1 processor will consist of 64 cells. The analog-digital converter and the digital-analog converter will be eliminated, since they do not participate in mining. Therefore, one can say that on the whole the S1 architecture will be simpler than the R1. Secondly, the R1 was designed on 180 nm technology, while the S1 is based on 28 nm technology processes. The selection of the 28 nm technology was not accidental. At present it already has been sufficiently accepted around the world. The design of a chip, as in the 180 nm, takes place on a surface. There is a great quantity of ready libraries for software and a sufficient number of specialists with experience.

2.2. INDUSTRIAL SAMPLE

On the basis of the MultiClet S processor, the engineers of Goodwin and SmartHeat will develop and produce a sample MultiClet miner on 28 nm technology in the course of 10 months from the end of the ICO. The finished product – an industrial sample of the 28 nm MultiClet miner - will be released already in August 2018.

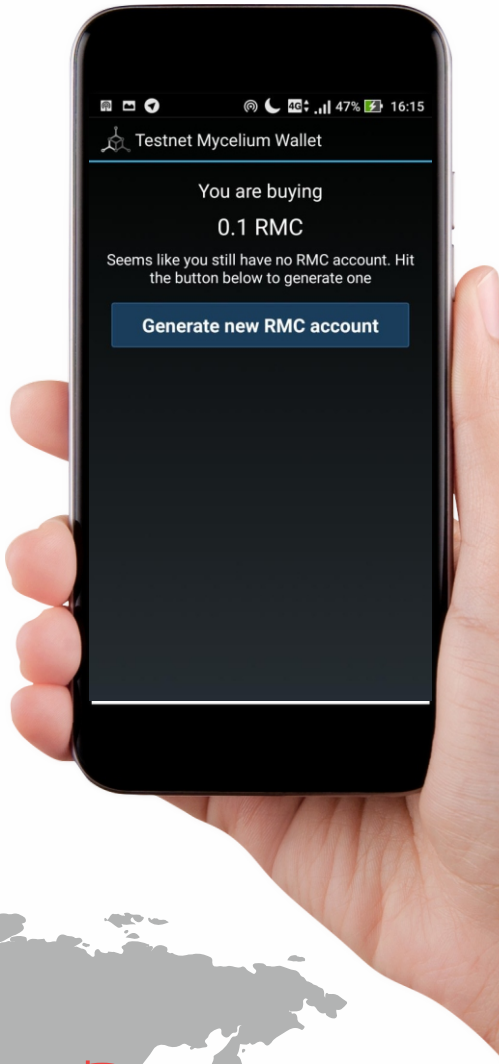
At the same time, LLC Radius Group will produce an assembly of the Sunrise s11i miner on the basis of 16 nm chips from Bitfury with a pre-installed security chip. The finished products will be sold to private individuals in free sale for the formation of a network of distributed mining.

2.3. SOFTWARE

The mobile Mycelium wallet which became very popular within the Bitcoin community. Its source code is in open access. At present it is available on Android. Integration with Cashila and Coinapult allow users to easily convert funds. Now there is full support for using Trezor.

MYCELIUM HAS A NUMBER OF ADVANTAGES:

- quick connection to the Bitcoin network through super nodes located in various data processing centers;
- the balance is displayed in 164 currencies;
- transaction history with full information on each deal;
- built-in QR code scanner;
- export of QR-code keys, both in exchange buffer and in the form of encrypted PDF files;
- the possibility to share the Bitcoin address through NFC, Twitter, Facebook or by email.



The Mycelium wallet enjoys the trust of

190 000

users around the world.

1,5

billion dollars on the accounts.

CHAPTER 3. THE TECHNOLOGY

3.1. DISTRIBUTED MINING

Distributed mining is the technology of distributed production of cryptocurrencies bringing together a new accessible product line-up of equipment for mining which allows us to create an efficiently operating decentralized network with low costs for mining. The security chip on each hash board and the special software of the S11i miner guaranties division of computational power between the owners of the miner on the basis of the Joint Mining Club.

The following factors are the preconditions for the creation of such a network in Russia:

- proficit of electricity capacity 20,000 MW;
- cheap electrical energy;
- reliable electric power system;
- cold climate;
- affordable price of the Sunrise s11i miner for the population.

In the ICO process, anyone can become a member of the RMC Club by acquiring an RMC coin, which gives the right to purchase the most modern and productive miner of altcoins, the 28 nm MultiClet, as well as the right to participate in the Joint Mining Club for BTC output on the Sunrise s11i.

3.2. JOINT MINING CLUB

The Joint Mining Club is accessible only to owners of the RMC coin club to which 20% of the computational power of each Sunrises11i miner is allocated. The owner of an RMC coin will receive digital assets from the total mining pool proportional to the number of coins that he owns.

3.3 DIVISION OF AUTHORITY, SPECIALIZATION

For fastest possible entry onto the market with a new product line-up of miners, several companies have joined up to form a single consortium: LLC Goodwin, LLC Radius Group, OJSC MultiClet and LLC Smart Heat. A precise division of authority and production processes within the system makes it possible to reach the goals set within the planned deadlines.

OJSC MultiClet - development of the multicellular S1 processor for mining;

LLC SmartHeat (SmartHeat Design Office) – development of the MultiClet miner on the basis of the S1 processor, the system for cooling the equipment, interaction with the pools;

LLC Goodwin - manufacturer of the hash board and of software for microcontrollers;

LLC Radius Group -manufacturing capacity, serial assembly of the products.

TECHNOLOGY PARTNERS

III. 5. Specialization of the member companies of the RMC consortium

Researh and development

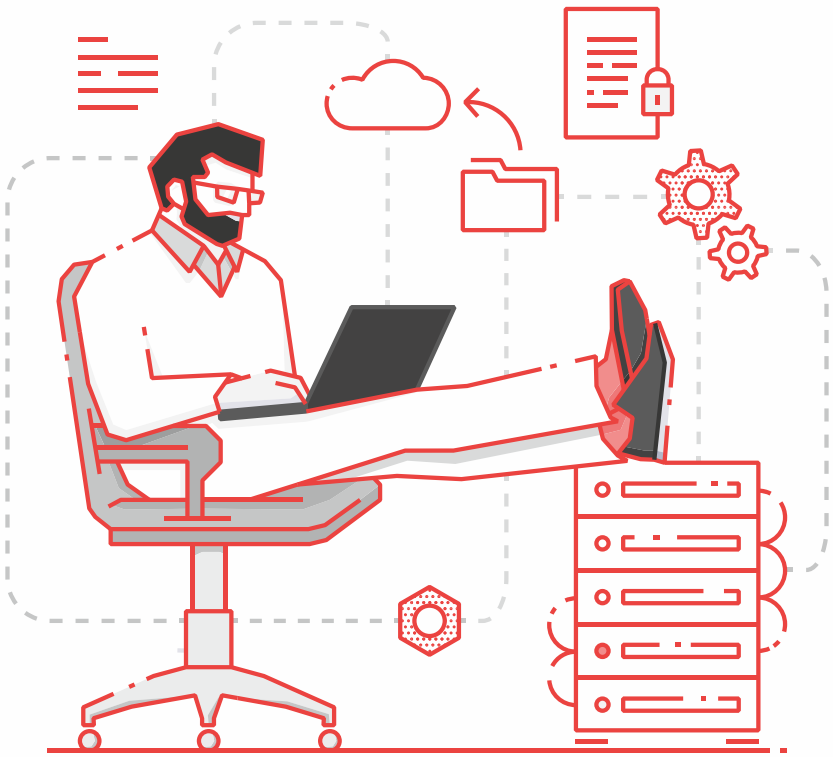
OJSC MultiClet.
Development of the 28 nm chip for use in mining
multiclet.com

SmartHeat Research and development
smartheat.io

Production and placement

LLC Radius Group.
Manufacturing capacity
radiusgroup.ru

LLC Goodwin.
Development of boards
goodwin.ru



CHAPTER 4. THE TEAM

4.1 R&D TEAM

Boris Zyrianov

- catalyst of the project, technology partner, general director of OJSC MultiClet

Sergei Bobylev

- ideologist of the project, generator of ideas, developer of dual purpose devices – miners-boilers, miners-heaters, founder of the company SmartHeat

4.2 PRODUCTION AND PLACEMENT TEAM

Dmitry Marinichev

- project founder, transforms ideas into concepts and brings them to a new level. Responsible for public relations, development and promotion. Heads the company Radius Group.

Mikhail Nagorsky

- technological support of the project Development of hardware solutions.

Nikolai Streltsov

- inventor of the multicellular architecture, technical director of OJSC MultiClet

Aleksei Demidov

- system architect, developer of software for mining pools and administrator of the joint mining services. Lead engineer – programmer of the company LLC Radius Group

4.3. ICO PREPARATION TEAM

Natalya Shatokhina

- project manager. Chief of staff for development of IT solutions on transition of government institutions to digital platforms.

Konstantin Alenov

- financial consultant to the project. Development of the financial model. Financial director of LLC Radius Group

Oksana Bobyleva

- project coordinator. Director of the blockchain Laboratory of the ecosystem «Lyudi Rosta»

4.4. HISTORY OF RMC

2015

- founding of the SmartHeat design office.
Launch of production of dual purpose
miners (miners-boilers).
http://smartheat.io/ru/

Summer of 2016

- beginning of joint work with the company
LLC Radius Group, organization of the firm of joint
Mining (ASIC) on the basis of the central unit (TsOD).
http://www.radiusgroup.ru/

Autumn of 2016

- beginning of joint work with the company LLC Goodwin.
Beginning of work on the security chip for the possibility of
division of income from mining between the pool of investors and
support for the functioning of joint mining.
http://www.goodwin.ru/

December 2016

- getting to know the company MultiClet. Start of development
of the mathematical model for a new generation miner
on the basis of the mathematical model for the MultiClet processor.
http://multiclet.com/

April 2017

- presentation of the new Pantech miner adapted for use in Russia.
Beginning of sales of Pantech miners to various
buyers through a dealer network.

June 2017

- start of preparation for the ICO.

CHAPTER 5. ICO

5.1. RMC COIN

The RMC coin is the digital asset of the system recorded in the Colored coins format http://coloredcoins.org on the basis of the Bitcoin blockchain with open source code. The RMC coin is the basic instrument of intra-system communication, as well as the asset which confirms membership in the Joint Mining Club.. Only the RMC coin gives the right of exchange for a MultiClet miner and participation in the Joint Mining Club or privileged purchase of the miner S11i.

Objective of the issuance
The objective of the RMC issuance is to attract cash funds to the Project equivalent to 100,000,000 USD.

Volume of the issuance
Only 25,000 RMC will be issued.
Buy-back of coins is possible by means of exchange for miners.

Advantages of the RMC coin

- Functional MultiClet processor;
- Joint production of the cheap and reliable miners 16 nm Sunrise s11i – with 3-year guaranty, ROI - 5 months;
- Existing production capacity – 20 MW;
- Mycelium software;
- Own pool from the project Bitcoin-Russia.ru;
- A developed security chip ensuring that 20% of the entire computational capacity goes to the Joint Mining Club;
- A finance plan that divides proceeds from the ICO into 2 flows: 10% for development and production of the MultiClet miner and 90% for purchase of components and production of the Sunrise miner with security chip;
- The interest of the producer in the long-term reliable functioning of the miners: the security chip guaranties participation of the RMC Club members in joint use of the equipment;
- A team of professionals with successful experience of implementing innovations.

5.2. PRE ICO

The Pre-ICO RMC begins on 7 August 2017
During the pre-ICO, the cost of an RMC coin comes to 4,000 USD without VAT.
The threshold of participation of the investor cannot be less than 250,000 USD.
At this stage, it is possible to pay in RUB or in USD.

5.3. ICO

Time period for carrying out the ICO
28.08.2017- 28.09.2017.

The cost of an RMC coin amounts to between 4100 and 4900 USD depending on the time of purchase during the ICO. The threshold of participation is 0.1 coin.

After completion of the ICO, the RMC can be freely transferred to a third party via the Mycelium wallet.

Pre-Sale

Transaction period
7.08 - 27.08

1 RMC coin
$4,000

Threshold of participation
$250,000

ICO

Transaction period
28.08 – 28.09

1 RMC coin
from $4,100 to $4,900

Threshold of participation
0.1 coin

After the ICO is carried out, new coins will no longer be issued
The number of MultiClet miners is limited.

Target

100 M $

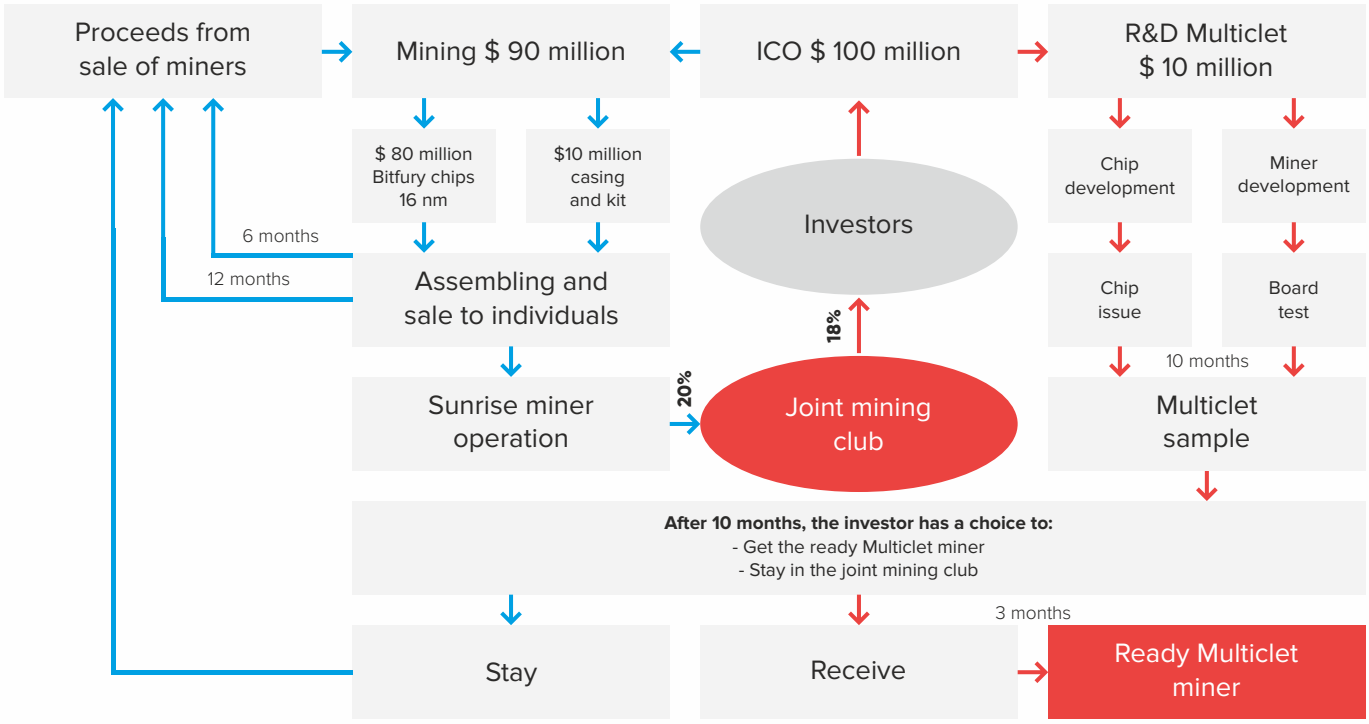
III. 6. RMC Project: conditions of Pre-ICO and ICO

5.4. OFFER FOR POTENTIAL PARTICIPANTS OF THE RMC CLUB

- 1 RMC – 4,000 USD
- Purchase of RMC coins for BTC, ETH, USD, RUV;
- possibility of free transfer (sale) of a coin to third parties;
- the benefits of coin owners as members of the Joint Mining Club;
- a special price for the 16 nm Sunrise s11i;
- the possibility to take ownership of a ready to go 28 nm MultiClet miner or to remain in the Joint Mining Club;
- reliable Mycelium software;
- the possibility to place equipment with Club partners.

5.5. ALLOCATION OF FUNDS RECEIVED

The Project stipulates allocation of the funds obtained from the ICO according to the following scheme:



III.7. Scheme for allocation of ICO funds

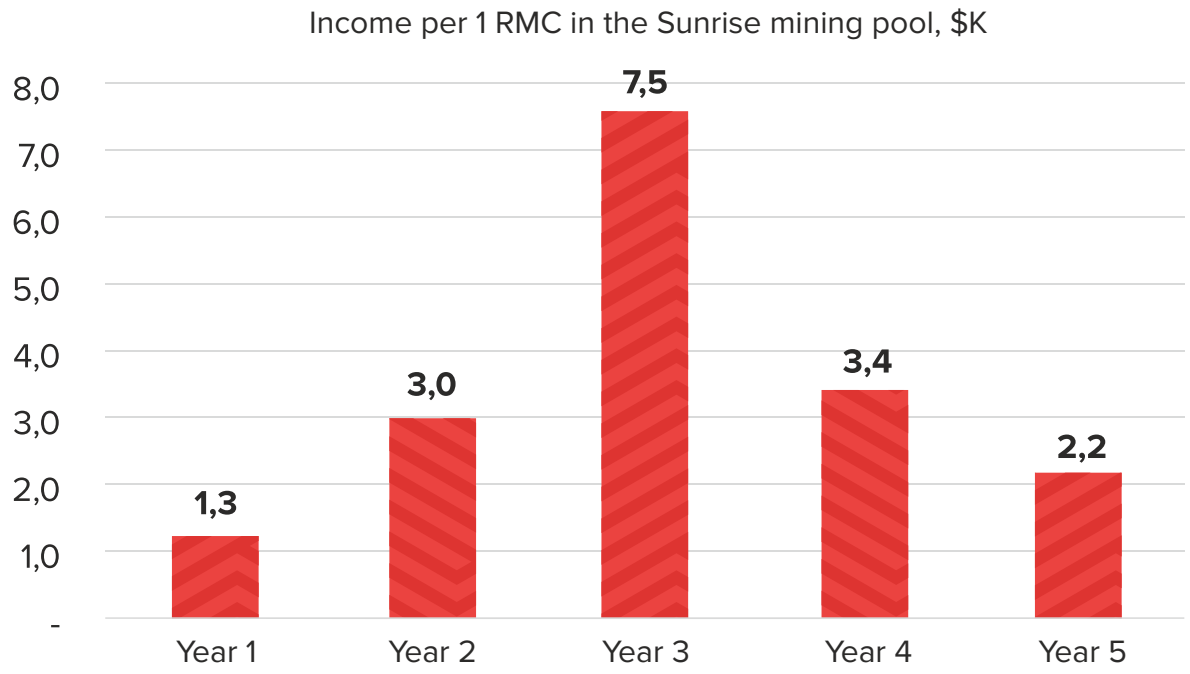
5.6. SCENARIOS OF INCOME FROM THE RMC COIN

Several scenarios of yield from the RMC coin are possible.

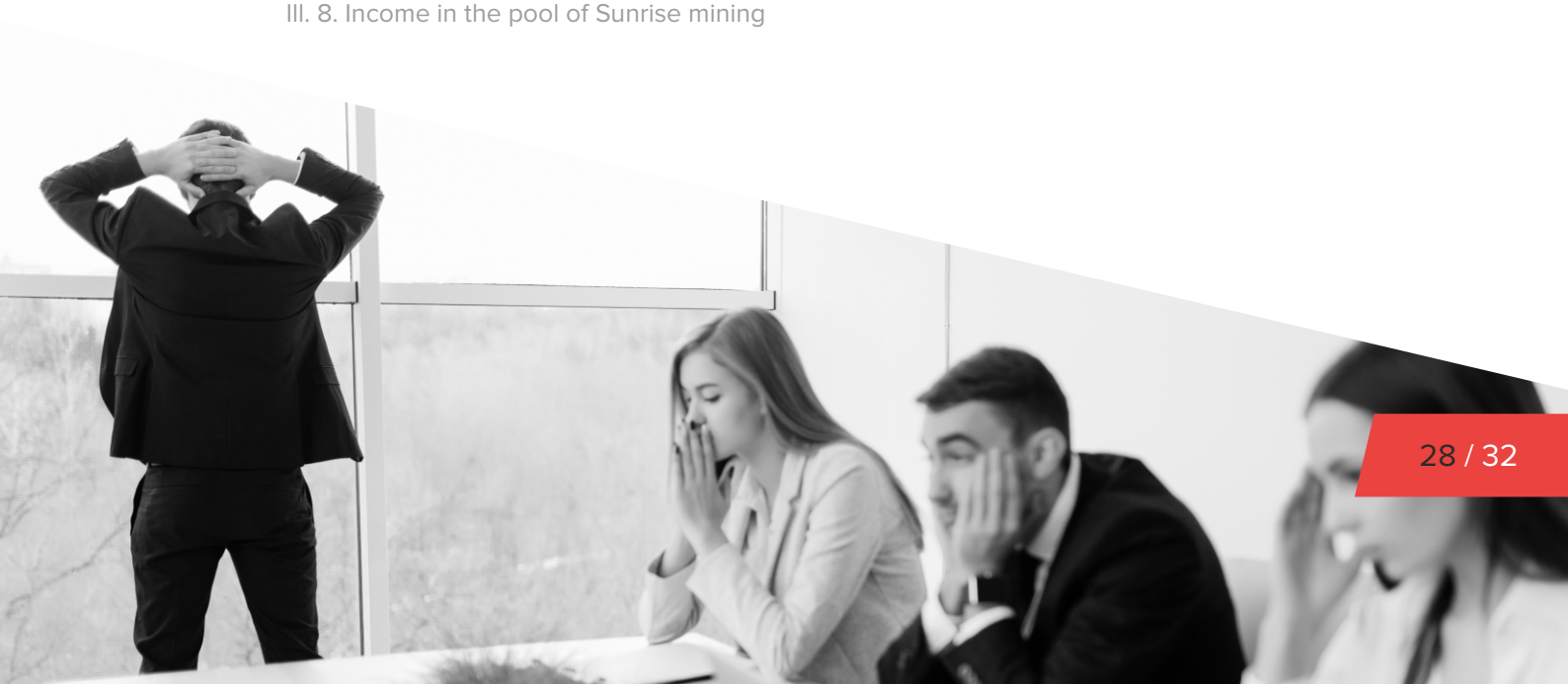
NEGATIVE

Indicates income per 1 RMC of 18% (20%-2%) included in the capacity pool of Sunrise miners. The calculation has been made given the sale of 56,000 units of Sunrise for every half year over the course of 3 years. Reduction of income in years 4 – 5 due to reduction in income per unit of capacity, complication of computations.

Income calculated at the current BTC exchange rate

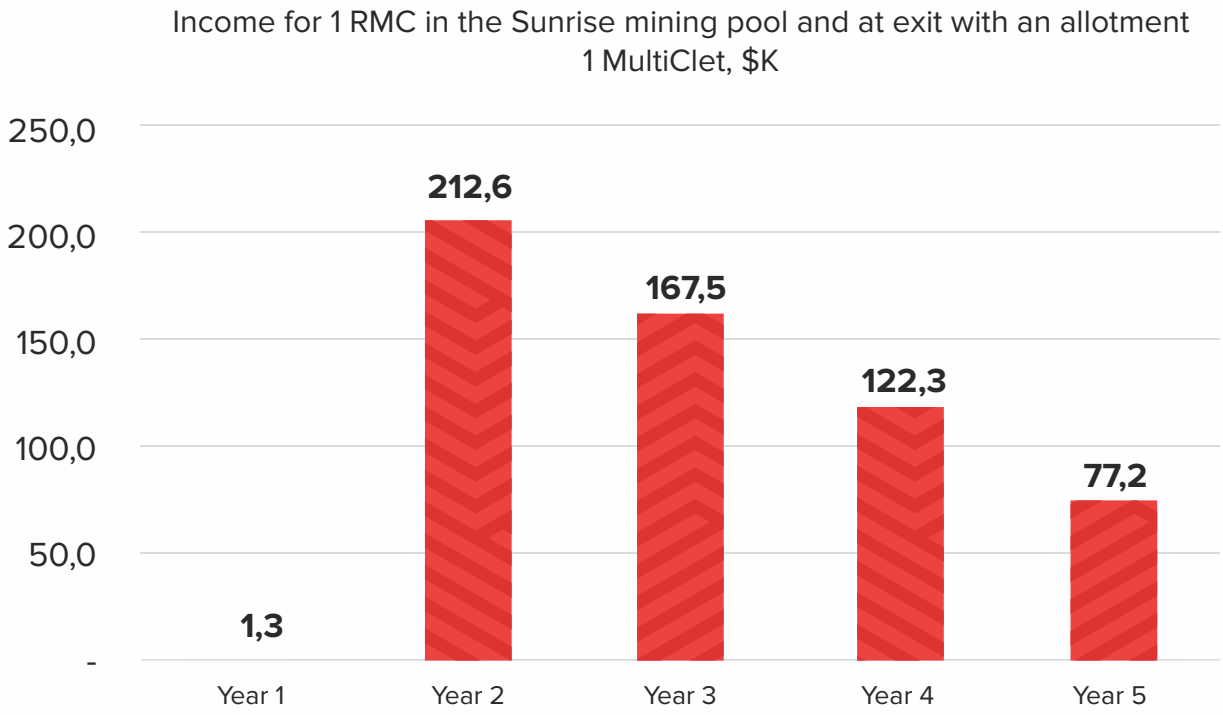


Ill. 8. Income in the pool of Sunrise mining



POSITIVE

The MultiClet miner stopped being produced in the agreed time periods: income from the first year of 18% capacity of Sunrise in the pool. Next – exchange of RMC for MultiClet and exit from the pool. Years 2 – 5 superior income from MultiClet mining.

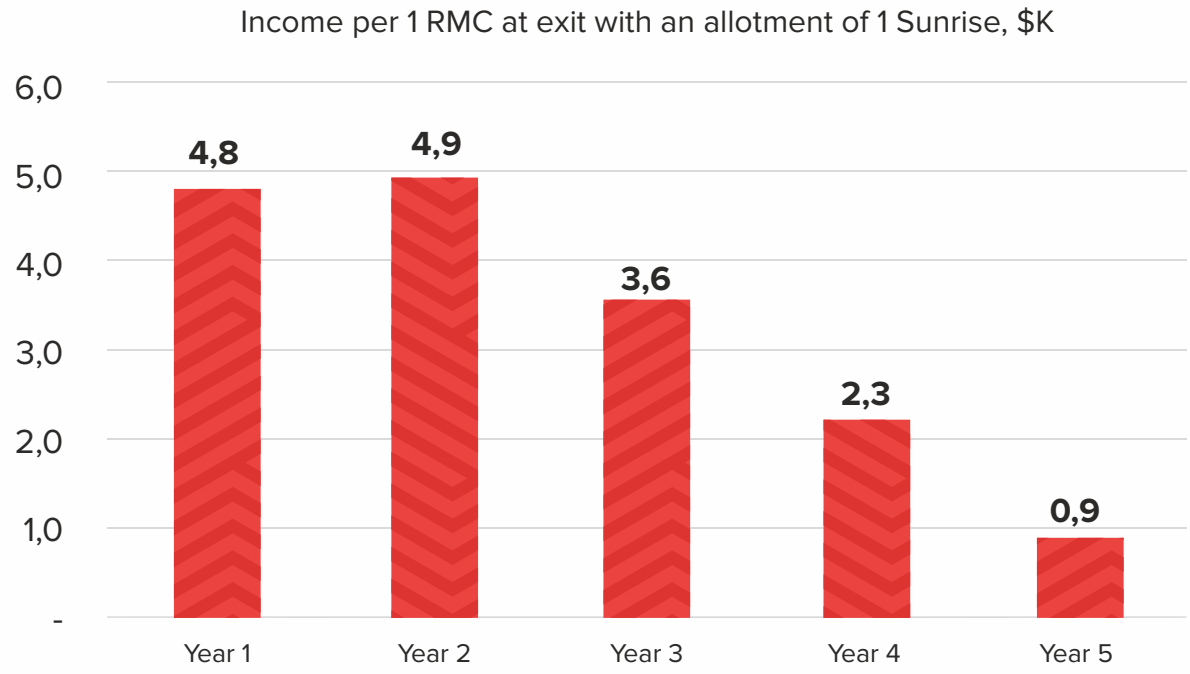


Ill. 9. Income in the Sunrise mining pool taking into account the exchange of RMC for MultiClet

WITH

INDEPENDENT OPERATIONS

The coin is used for purchase of the Sunrise miner and further independent mining on it. Income from independent Sunrise mining after purchase in exchange for RMC in the first Sunrise allotment and exit from the Joint Mining Club.



Ill. 10. Income when buying Sunrise and engaging in independent mining.

CHAPTER 6. GUARANTIES

6.1. JURIDICAL BASIS AND LEGAL GUARANTIES

At the foundation of the project is a juridical construction which makes it possible to regulate and establish the respective rights for Members of the RMC Club. The Russian Mining Coin is a digital asset which gives the right to acquire a new generation MultiClet miner, and also the right to acquire a Sunrise miner at a special price. In addition, the owner of the coin becomes a participant in the Joint Mining Club. De facto, the RMC coin is an asset which attests to the existence of obligations between the parties. The lack of legal status of cryptocurrency in the RF allowed the developers of the project to view it as a digital asset created in the mining process and at the same time as a discount coupon which gives the right to purchase an RMC coin at reduced price.
Moreover, the level of discount for purchase of a coin is directly proportional to the amount of invested digital assets (cryptocurrency). The right to membership in the Joint Mining Club is confirmed by the RMC coin. The right to membership can be transferred by means of transfer of the coin either for compensation or on a non-compensated basis.

6.2. DISCLAIMER OF RESPONSIBILITY

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THE MULTICELLULAR REVOLUTION!

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