



NIHILUM

**With your trust and passion,
we can make it happen – Nihilum.**



Project overview

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Project Overview

The purpose of the white paper is to present a new opportunity in the ICO market. This opportunity is called Nihilum. The token is based on an Ethereum mining center, which is located in Kaunas, Lithuania, European Union.

The name of the token, Nihilum in Latin means nothing. Name of token was set up on purpose to represent a symbolic meaning of cryptocurrency. Because who decides what price should be paid for the cryptocurrency and how much it would cost today, tomorrow or next week. No government can regulate the market of cryptocurrency, only people participating in the blockchain system can affect this market. With this picture in mind, we can see a clear vision that only our decent and hard work towards a common goal can lead to success and nothing else matters.

The project is carried out by a Danish company Cesare Energy Solution (<http://cesare.dk/>). In our view, mining has become an expensive process which requires decent management and hard work, seeing this problem Cesare Energy Solution is prepared to help people who would like to participate in the mining process with minimal effort, by taking control of all the management in the mining process. Our proposal is that Cesare Energy Solutions is creating a mining center project for people who want to engage with the mining process and pledges to provide lifetime mining center administration services for token holders as long as the earnings will cover the expenses.

The balloon miner. Our symbolic difference compared to other mining centers based on ICOs is that we have built the first green energy miner – balloon to represent a meaning of cloud mining and will launch it on 2018-05-11. This miner was built in cooperation with the high-tech company – Adpos (<http://adpos.eu/contacts>). Also, this is a symbolic gesture to prove that we are capable of achieving the goal and to show to future token holders that there is nothing impossible for us.

The vision. We see blockchain technology as revolutionary technology that will have a huge impact on everyday activities in the future. Just like the internet or the invention of mobile phones changed the way we live, the blockchain will play its role in the near future and we want to be part of that change. Within the whole development of the blockchain system, we see Ethereum as the most prospective platform that will be a flagship in the field and we believe that the value of Ethereum will continue to increase based on its wide application in everyday activities. Considering ongoing transformation, we are willing to participate in the development of a more secure Ethereum network by building up one of the biggest mining farms in Eastern Europe and we invite everyone to be a part of this project, a part of this mining center community.

The Token and Contract

The Nihilum token is an Ethereum – based ERC-20 standard compliant token. The token is launched with the automated contract which will divide mined cryptocurrency to token holders as a service (excluding management costs and transaction cost of GAS'). Also, we have launched a web app interacting with Ethereum blockchain for the easier process of token purchase and handling.

Main smart contract functions:

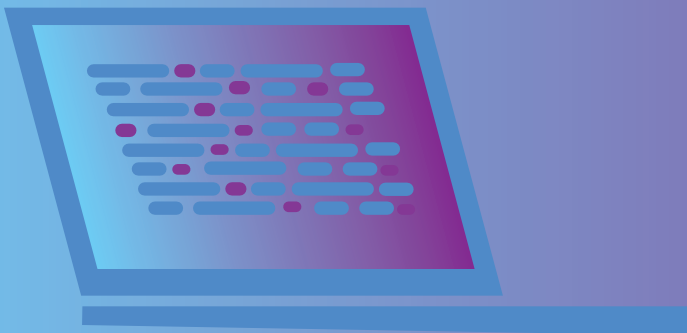
- transfer - Transfers your tokens to a different wallet.
- buyTokens - Purchases as many tokens as possible for ether provided.
- whitelist - Allows you to buy tokens after the KYC procedure.
- claimNihilum - Allows to claim your ETH.

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1 0 1 1 0

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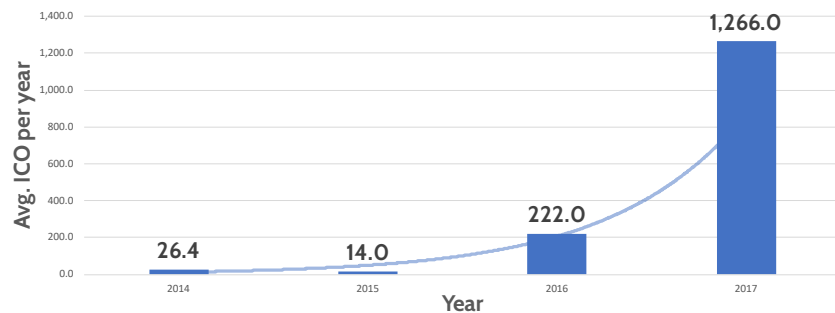
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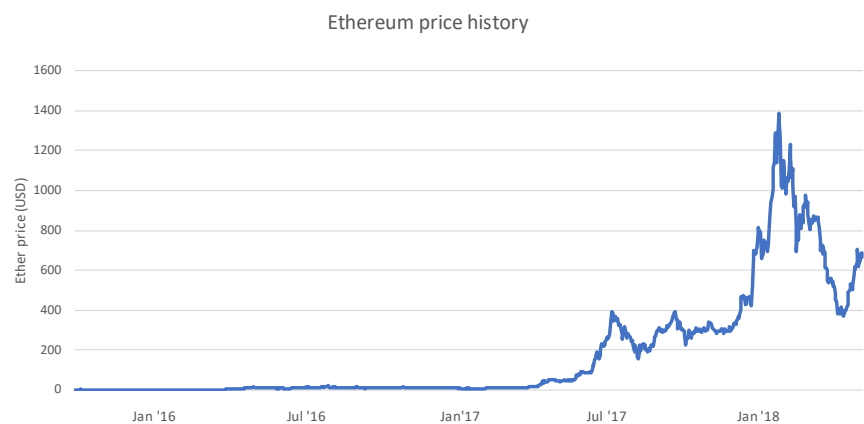
Economic Benefits

The overview of ICO market. Since 2014 the ICO market has grown almost 50 times compared to 2017 YTD. We strongly believe that this market will continue to grow exponentially and will generate a positive surplus for token holders.



Source: Autonomous NEXT analysis, units mln USD dollars

Mining center will operate on the Ethereum blockchain. This cryptocurrency profitability within 3 years has grown exponentially, compared to Bitcoin – the first cryptocurrency which is in the market for 8 years Ethereum has higher growth

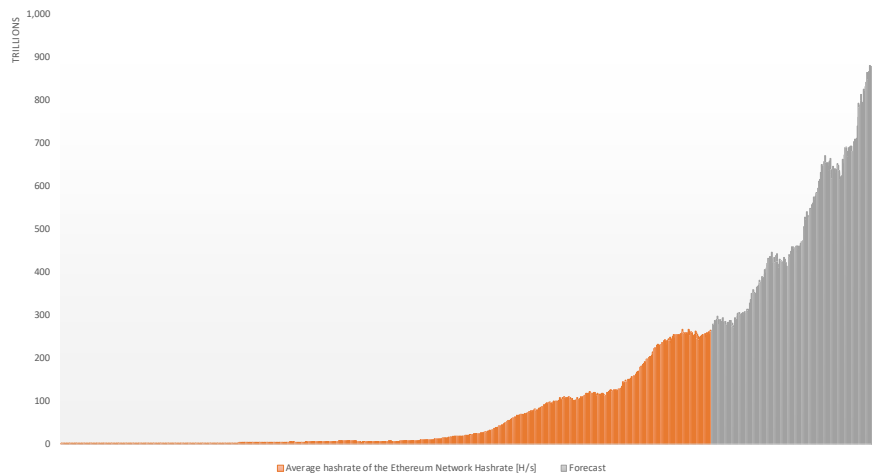


Source: <https://etherscan.io/chart/etherprice>

Mining center will operate on the Ethereum blockchain. This cryptocurrency profitability within 3 years has grown exponentially, compared to Bitcoin – the first cryptocurrency which is in the market for 8 years Ethereum has higher growth



Moreover, according to historical data, we have made a forecast projection which shows that Ethereum value will continue to grow. Although the growth is dependent on the market reaction and political decisions upon cryptocurrency as we all have seen how cryptocurrency market reacted to China's new policy against B2B development in the cryptocurrency



On the other hand, we also have made a forecast projection for the hash rate and it is estimated to continue to grow as well. So basically, the price change effect is eliminated by the hash rate effect, resulting in stability. We can conclude all this to one point as the price rises the hash rate will rise too, which means that we have almost no change, as long as price grows in the same rate as the hash rate. Because the market depends upon the trust and participation of the people in it, no one can predict exact numbers of its growth, only one thing is clear at the moment market conditions makes mining a profitable process and if there won't be any serious governance changes this process should stay the same.




Token holders benefit.

While the other mining projects give the token holders a small part of profit by cryptocurrency, we provide token holders with mining services, only excluding the management service costs out of the equation. The token holders will start receiving the mining services 3 months after the token sale ends, from the mining units that will be set up by that time. The product of the mining services will be stored in the contract available for withdrawal at any moment.

Nihilum mining centres operating expense (OPEX) is divided into seven main parts:

Personnel, electricity up to 30 % cheaper than in the household market (depends on the consumption) due to B2B prices, equipment up to 35 % cheaper than in the retail market due to B2B contracts (depends on the acquired quantity), internet, security, mining center's premises, re-investment + research and development up to 17 % from mined ETH.



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Risk Management

Risk management in cryptocurrency market depends almost completely on market growth. However, we can manage the various risks in the process of the mining center management. Ethereum deviation risk. In case of Ethereum dropping profitability or price, we will be capable of mining other altcoins as the mining units will be using GPUs (graphics processing units) to mine. For this scenario we will be constantly benchmarking the profitability in mining other altcoins and have an action plan ready, to eliminate the down time of our mining services.

ASIC development risk. Recently official sources announced that BITMAIN has developed ASIC technology to mine Ethereum. We estimate that ASIC technology in Ethereum mining will damage the market for GPU miners, however, only for a short time period because Ethereum developers are expected to upgrade the algorithm to deny ASIC mining, rendering them obsolete. This situation has already happened once with Monero cryptocurrency and Monero developers upgraded the algorithm, so all ASICs designed for Monero became useless. We see a clear picture that ASIC development in cryptocurrency is damaging the market by making it more centralized which is the opposite representation of the blockchain technology. Therefore, we pledge to never use ASIC technology in our business, because we don't support BITMAIN's monopoly and the disruption of the stability in the market.

Physical risk

The mining center could be robbed. We see this risk as a high threat to the project's contingency. We eliminate this risk by adding the additional line to OPEX by hiring a private security firm.

Virtual risk

We could be hacked and our mined cryptocurrency could be stolen. We will eliminate this by setting up various stages of virtual security measures to guarantee the safety of our center.

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Initial Coin Offering

- Price per 1 NIHILUM token: 0,0024 ETH.
- Minimal transaction: 50 NIHILUM tokens (be advised to not transfer less because the smaller transaction will not be accepted and you will only be wasting the GAS cost).
- Special offers to B2B clients.
- Accepted cryptocurrency Ethereum.
- Soft cap 5 000 000 NIHILUM tokens.
- Hard cap 55 000 000 NIHILUM tokens.
- KYC and AML directives.
To comply with worldwide Anti-Money-Laundering (AML) rules, we will white-list all our customers to verify that our clients are not listed in the international sanctions/terrorist lists, politically exposed persons, and people with adverse reputations. The white-list procedure is made by a third-party administrator, all personal data is hashed and stored in a private sever to keep clients personal information safe. Your personal information will be disclosed only if we receive a request from proper authorities.



Token Pool

90%

Sales
Participant

10%

Project
Management

Project Timeline

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- Balloon miner is launched May 11th 2018
 - Crowd sale starts May 11th 2018
 - Crowd sale ends July 11th 2018
 - Mining center is functional up to 50 % August 30th 2018
 - Fully operational mining center October 31st 2018

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Mining Centre

The mining center premises will be located in Kaunas, Lithuania European union. Project team estimates that the mining center should become fully operational within 3 months after the sale ends. So far, we have negotiated premises for the data center of 4 000 square meters with a capability to receive up to 15 000 square meters if needed.



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The green energy balloon miner

The balloon miner idea

'This project is just a little example of what we can achieve if we work towards a common goal. Usually, the other ICO projects make a lot of promises related to new perspectives and innovations in the blockchain technology. In our view, we are here not to make wasteful promises but to create something amazing and to show everyone that we can achieve our goals in order to receive peoples trust in us.

Therefore, we begin our sales on May 11th after the balloon miner project is set up and released, so everyone could make a decision whether to believe in us or not by seeing our achievements in reality and not on paper.

Technical Specification.

The balloon is set up to float above the ground up to 100 meters high. It is powered by wind and solar power plants on the ground. The mobile ground station is stated on the ground for the balancing purpose and inside it, there are several miners as a micro mining center powered by the green energy.

True believers.

After crowd sales end on July 11th we will give away all mined cryptocurrency from this balloon miner project to top 10 purchasers of our tokens. Just to share our achievements with these people and to thank them for trusting in us.

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Project team

Nihilum is carried out as a united work project which is launched by a leading party Cesare Energy Solutions and a group of mining enthusiasts. The company has a clear picture that blockchain and cryptocurrency has become a part of today's world and is the future of tomorrow. Also, seeing that the mining process has become very expensive for individuals who want to participate in the cryptocurrency mining process, the company is releasing an ICO and invites everyone who wants to participate in the mining process to be a part of this crowdfunded project.



A symbol of the company the dog Cesar.



Jonas Rapsikevičius
Project manager.

Background in European Union projects in socio-economic valuation models of inland waterway transport projects. In private sector specialization and experience in financial management of revenue cycle management.



Aidas Subačius
IT development and security manager.

Studied in KTU JKM (Junior computer technology specialist school) since childhood. Background in webpage frontend, MS office, gamecreation, webpage creation, programming, robotics.



Tadas Valionis
IT development and security manager

Background in engineering and projecting technical design of computers and servers, optimization of servers. Field of studies - Building Services Engineering.



Mindaugas Norvaišas
Technical advisor.

Background in the field of engineering advanced building materials, construction structures, a sustainable life cycle of buildings, efficient resource and energy use systems, technologies and energy supply for buildings.

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Balloon Miner Team



Dr. Linas Obcarskas

Informatics engineering, electronics, bio-sensors. He has more than 20 years of experiences in business. Active in the field of sports, informatics and electronic integration in various solutions.



Dr. Valdas Grigaliunas

Electrical, electronics manufacturing, measurement technologies. He has more than 7 years experience working with piezoelectric sensors and actuators as well as in measurement technology area. He studied at Helsinki University of Technology (Finland).



Dr. Marius Gudauskis

Informatics and mechatronics engineering. He has more than 5 years experience in IT solutions, electronic integration and projects management.



Algis Karpavicius

Mechanical and electronic engineering. He is young creative and well-minded scientist. He has experience in designing and developing electronic systems. He was one of the team members in first Lithuanian CubeSat project.



Gediminas Ščipokas

Mechanical design, automation, electronic circuits and programming. I have made several small projects before, so this is a large leap in required expertise which I look forward to. My part in this project is the mathematical calculation, measuring of environment's parameters and mechanical structure designing.



Kristijonas Kerekeš

Specializes in various fields of mechatronics, especially in robotics. In order to get more knowledge and experience, I am always looking for opportunities to improve my skills in various projects. One of the most exciting experience was 10 weeks internship in NASA Ames. Also, a lot of experience I gained in projects of robotic. In this project, I will be working on mathematical calculations, air parameter measurement and control, and design and building of various mechanical structures.



Povilas Piartli

Previous experience involves making various robots and composite material structures with my team or by joining other projects, and recently an internship in NASA Ames research center where I worked on tensegrity robot prototype. In this project, I will be working on mathematical calculations, air parameter measurement; control, design and building mechanical structures.