MIRAMIND

GLOBAL INTELLIGENCE

Decentralized open Artificial Intelligence ecosystem,
with a full cycle of corresponding solutions and services

WHITE PAPER

Contents

INTRODUCTION

What is MIRAMIND?

MIRAMIND is a unique ecosystem, created to united developers, clients, and miners in the artificial intelligence field and create the most advantageous conditions possible for the development and adoption of artificial intelligence technologies.

Parts of the ecosystem:

Technology companies

Specializing in creating artificial intelligence programs

Commercial organizations

Interested in reducing costs and competitive advantages through automation of enterprise processes

Developers

Specializing in creating artificial intelligence programs

Miners

To provide computing power for information processes and supporting the system's working capacity

Data providers

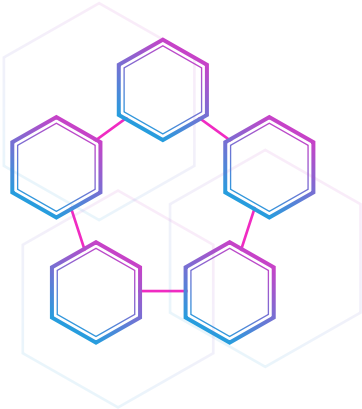
To provide the data necessary for Artificial Intelligence models

PROBLEMS

At the present time, more than 78% of business processes could technically be automated if Artificial Intelligence were more accessible to companies and developers had a universal platform for creating AI constructs and exchanging knowledge.

Target audience

MIRAMIND's target audience includes all participants of the Ecosystem: companies desiring to optimize costs through AI, technology companies developing in the AI field, miners, developers, and small and medium businesses.



Problems for developers in the AI field

Absence of standards for integrating varying AI solutions

At the current time, there are more than 5,000 startups creating solutions in the Artificial Intelligence field. In addition to the fact that companies rarely exchange experience with each other, there are no platforms for safe, honest exchange of data, and there is a high level of competition from major technology companies in the AI field (e.g. Google, Amazon, and others) – yet there are no unified standards.

No access to data for training AI

Data providers cannot safely and reliably sell their accumulated knowledge, and developers don't have a unified resource where they can find the necessary information at a fair price. The lack of a free market for the exchange of data and knowledge about AI makes for an environment effectively closed off to startups, and artificially raises the cost of development due to the lack of free competition.

Need for major computing power for developing and training AI

The creation of an Artificial Intelligence algorithm should go through a training process, based on neural network model. For the training process, a large quantity of computing resources are necessary. The primary problem is the cost of computing power. In the majority of cases, development and training of AI systems is inexplicably high. To solve this, we need a technical infrastructure capable of processing large volumes of data, completely packaged work on GPUs, and coordinating results.

Problems for technology companies in the Ai field

Lack of specialists

In the IT industry, there is a clear lack of specialists in the field of artificial intelligence (AI) systems creation. Bloomberg has written about this, citing data from Element AI. According to analysts, today there is a clear lack of true experts in this field. And if such giants as Google and Facebook can handle the problem, then smaller companies will have a harder time finding the specialists they need.

Overall, Element AI found 22,000 developers in the artificial intelligence field. This is more than two times more than in the previous year (the company counted 10,000 such experts).

Lack of opportunities for simplified adoption of AI solutions

The majority of companies create new programs from scratch, lacking the ability to acquire a solution and implement it in their field.

At the moment of product development and launch, it is necessary to make agreements with various companies about the launch process. But in order for technology companies to acquire the opportunity to present their product, much effort and expense is required.

Thanks to the MIRAMIND ecosystem, technology companies can instantly see who is interested in their solution and who is prepared to implement the latest technologies in their business. This gives both the opportunity to find key partners and attract important investors who are interested in the product.

* Для изучения данного рынка аналитики компании пользовались сервисом LinkedIn и набором встроенных в него фильтров. Ключевыми были следующие параметры: наличие докторской степени, полученной после 2015 года, навыки в области создания и обучения нейросетей, компьютерного зрения и распознавания речи. Одним из критериев было также владение Python (высокоуровневый язык программирования) и работа с TensorFlow (открытая программная библиотека для машинного обучения, разработанная компанией Google).

Competition with global corporations

The absence and potential expense of marketing on the international level for boutique manufacturers makes breaking into the global market impossible, while large corporations control the necessary instruments for advancing AI applications.

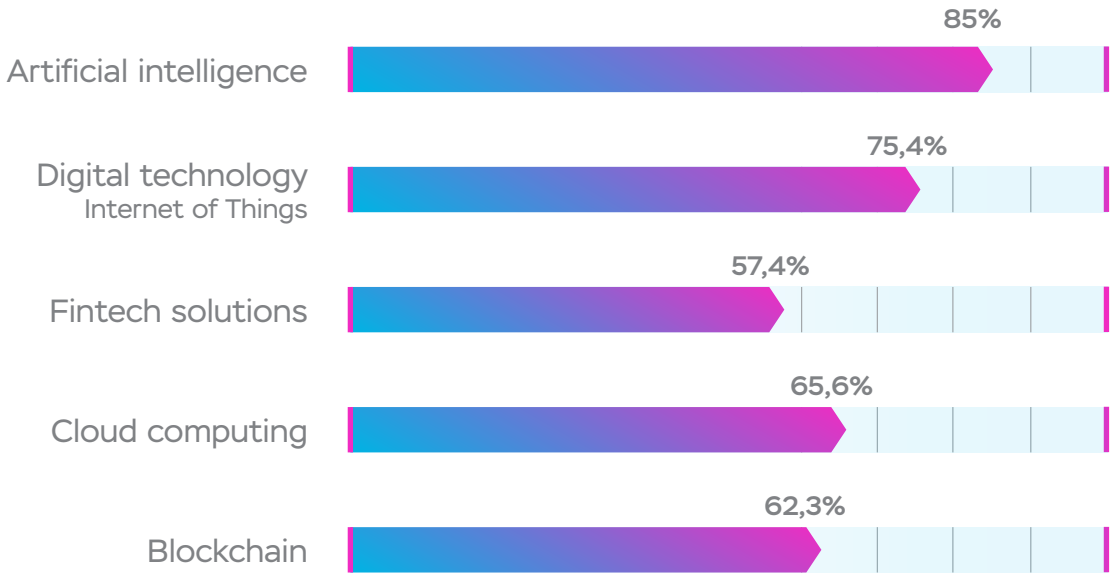
Problems for business who need AI solutions

As has always been the case, AI products must be decoded using the neural network after their launch. The more users there are, the more calculations are necessary – which naturally results in increased cost.

MARKET OVERVIEW

PwC predicts that by 2030, 45% of overall economic growth will come from improving products that stimulate consumer interest. This is connected with how AI will control a large variety of products, offering more personalization, greater attractiveness to consumers, and more accessibility over time.

5 most promising fields



Artificial Intelligence is a leader among the most promising fields for investment, according to openly-accessible data. McKinsey calculated that in 2016, investments in artificial intelligence development totaled between $26 and $39 billion dollars. Investors include giants like Google and Baidu, who invested approximately $20-30 billion. Investments by private investors also played a significant role – the overall amount totaled between $4-5 billion dollars. Private shareholders invested between $1-3 billion dollars – 3 times more than in 2013. Additional investments totaling $1 billion came from grants and initial funding.

Trends*

Over the last five years, rapid growth in the number of practical uses for AI can be observed. Such intelligent systems as autopilots for automobiles, facial recognition systems, and smartphone voice assistants and visual translators are occupying prominent places in everyday life. The rising number of AI applications can be explained with achievements in machine learning, computer vision, and natural language processing, as well as the availability of cloud computing. This has led to widespread adoption of the field and the birth of a billion-dollar economy around smart applications.

>300
Fields where artificial intelligence can be applied

$20 bln/year
Devoted to artificial intelligence development by the European Union/EU

78%
of processes in business can already be automated TODAY

Artificial intelligence in numbers**

$90B
profit from software

54,4%
average yearly growth

1,7B units
connected industrial equipment

60% by 2020
anticipated price reduction

$3,5B
profit from cloud computing

$1,9B
data storage

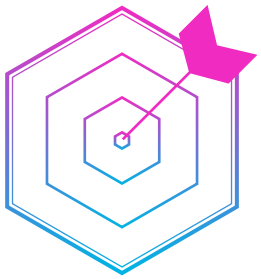
50B units
anticipated connection to IOT

* http://ru.euronews.com/2018/05/02/eu-budget-artificial-intelligence, ** ccording to news agencies

OUR SOLUTION: MIRAMIND

Advantages of the platform

MIRAMIND – is a decentralized ecosystem designed for the creation of a unified environment for the development and integration of AI solutions through the use of smart contracts. This is a full-cycle platform, uniting all aspects of the creation and use of AI applications. All of the applications used on it can exchange data, allowing AI to constantly learn and improve within the confines of the platform.



MIRAMIND's goal: to provide an opportunity to create as many complex, interactive AI algorithms as necessary, and thereby fulfill any number of practical applications and the ultimate creation of a 'Global Intelligence'.

The key component for developing "Global Intelligence" is the interaction of a wide variety of algorithms with each other and other participants of the ecosystem.

This platform will provide advantages for all those connected to the platform: developers, miners, businesses, and technology companies. Businesses buy ready-made AI solutions – or, if a suitable solution does not exist, they take advantage of the ecosystem's possibilities and quickly create a unique application that meets their needs. Developers write software and algorithms for AI and train them. Mining supports the necessary amounts of computing power of the network, and distributes the decentralized ecosystem. Data centers store big data storage arrays. Technology companies and developers are creating applications and the algorithms needed to make them work in the ecosystem and in AI learning, while collecting the information and resources needed to create new applications.

Why do we need blockchain integration?

The goal of blockchain integration is to provide inexpensive, reliable, flexible, safe, and decentralized computing power for algorithms, applications, and other AI solutions.

Through blockchain technology, MIRAMIND can make the work of the Artificial Intelligence's neural network decentralized and distributed across massive nodes around the world.

Computing nodes of the neural network can dynamically coordinate, depending on the computing power necessary, and thereby meet consumers' needs.

Data providers and developers that use data can be physically separated and have their data and identities protected through smart contracts.

Project mission

Our company's mission is to create a working environment which can unite scientific progress, technology companies, clients for product solutions, and miners providing computing services, resulting in the creation of a 'Global Intelligence', capable of completing any applied tasks.

Artificial Intelligence should not belong to a single corporation or be concentrated in the hands of a single power structure.

Advantages for all 4 sides

Open Ai Api | Developers

Integration
Monetization opportunities for AI solutions
Availability of computing power
Data for training

Ai apps
M algorithms

Miratoken
Ai algorithms

MIRAMIND

Advantages for all

Data Lab

Data Providers

Data security
Data monetization

Data of training

Miratoken

Comuting power
Storage

Miratoken

Blockchain computing power

Miners

Rewards for providing computing power
Rewards for storing data

Ai Integration

Miratoken

Business | Ai Store

Availability of ready-made AI solutions
Low-cost computation of Artificial Intelligence costs (70% savings)

WORKING PRINCIPLES FOR THE ECOSYSTEM

MIRAMIND works based on simple intelligent algorithms, designed to solve various specialized tasks.

Algorithms can be integrated into a multi-functional intelligent application.

Applications are able to independently interact with each other, and thereby form the MIRAMIND ecosystem, whose goal is to create a system of 'Global Intelligence', capable of fulfilling any tasks.

We offer a decentralized platform for AI applications, which removes barriers to entry while stimulating the growth of the market and reducing cost of use.

Blockchain provides a direct link between demand and the application, without the need for middlemen.

The MIRAMIND economy works on the SMART ECONOMY principle. Ecosystem users receive the solution they need, and developers receive payment for the use of their applications. At the same time, developers pay a commission for the use of each other's algorithms. Transactions in this interaction are provided through smart contracts.

MIRAMIND'S BUSINESS MODEL

1 A unified market for ready-made AI solution

Developers of intelligent algorithms, applications, or micro-services can register on the MIRAMIND ecosystem, having indicated the use case for their application or micro-service per our integration and data exchange regulations and the cost for using their solutions.

Each developer can integrate their intelligent algorithm or application, or create a new application based on existing algorithms, and then integrate their solution into the MIRAMIND ecosystem.

At the same time, developers pay a commission for the use of each other's algorithms. Transactions in this interaction are provided through smart contracts.

2 Blockchain computing power

The MIRAMIND ecosystem offers miners the opportunity to make money on the use of their computing power for the needs of technology companies and specialist developers. Specialists and technology companies working in the Artificial Intelligence field add MIRA Tokens to their account balance in the MIRAMIND ecosystem, and afterwards can use the computing power they need.

Miners receive payment for AI processing and exchange for the computing power they need, based on our rewards algorithm.

Transactions are based on smart contracts, provided by using our MIRA utility token. Mining nodes can be stimulated through a rewards system based on smart contracts. Our goal is to provide a consensus for each participant in the system, and most importantly, to provide access to the computing power of the neural network at a competitive price and lower the costs for providing computation.

3 Data laboratory

In our data laboratory, participants can acquire and provide data necessary for training AI algorithms. This simplifies opportunities to provide and accumulate data. Transaction safety is provided through smart contracts. Payment is available in MIRA tokens.

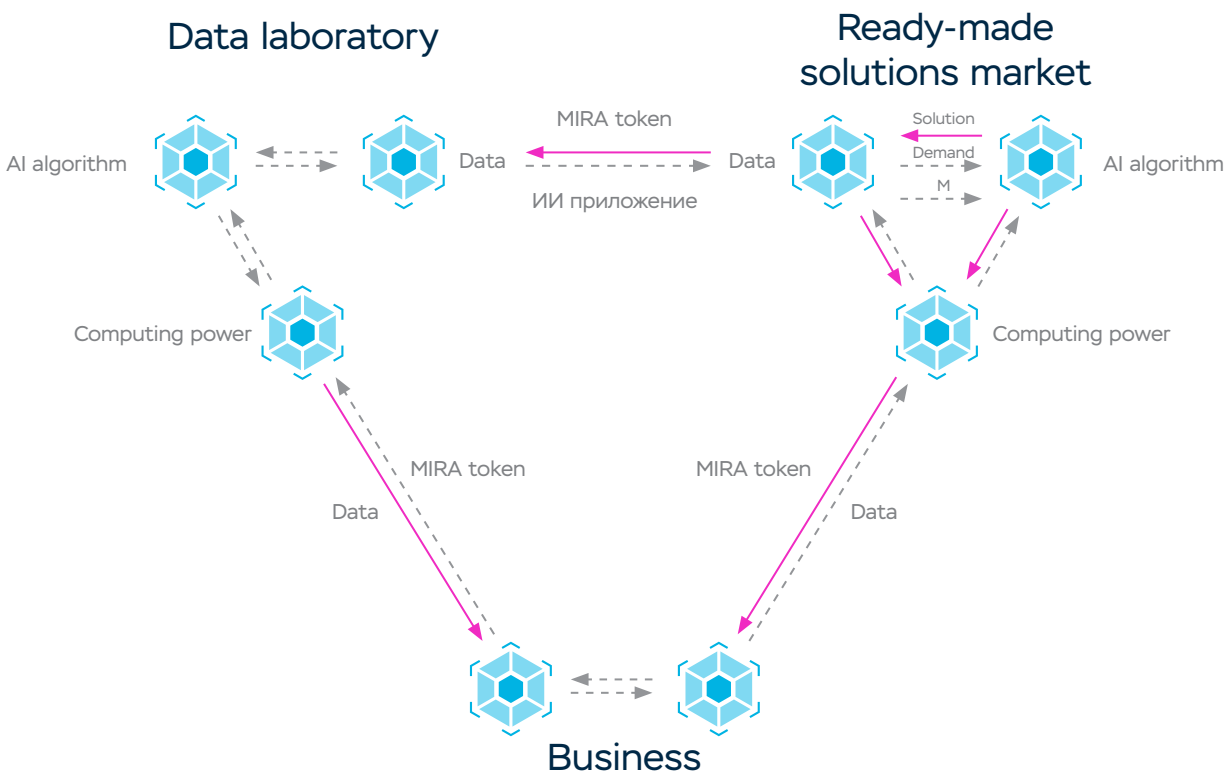
4 Open data exchange API for AI

AI application developers can safely use our API to exchange demo versions of their AI applications in the development phase.

Developers can integrate their applications' or micro-services' functions into the 'Global Intelligence' system.

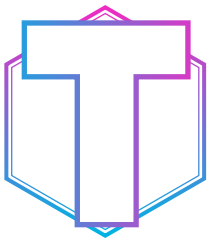
Transactions are based on smart contracts, provided through the use of MIRA tokens.

MIRAMIND Micro-Smart Economy



TOKEN SALE

MIRA token is a unified means for interaction within the ecosystem and a guarantee that as soon as an asset is confirmed via smart contract, all data will be open, transparent, and unchanged. In this way, users will have the opportunity for collaborative usage of data with completely reliable transactions. No false assets or fake transactions.



Payment for quantities of MIRA tokens for AI developers will be calculated based on the number of floating-point operations, neural networks usage, disk space usage, memory usage, and traffic used over a set period of time.

Payments according to the rates set for AI developers will not grow with the natural appreciation of MIRA tokens, as they are tied to fiat.

Mining smart contract

Miners will receive the majority of their profits from mining MIRA tokens through AI processing. Based on their involvement, nodes will receive payment every hour. Only those nodes which have successfully expanded containers and remained available for work over the entire period will receive payment.

Token

The Token Sale will be conducted with two main goals:

- Introducing the MIRA token to the market
- Attracting funds for development and marketing of the MIRAMIND platform

b. A fixed quantity of tokens will be launched, limited by a Hard Cap. Distribution will be conducted via smart contract. Collected funds will be directed toward platform launch, token integration, and financed advertisements and marketing. The realization of our project will depend on the amount collected.

Token symbol: MIRA

Limited offer **Private Sale**	**Token sale Round A**	**November**
300.000.000 Mira Token	3.100.000.000 Mira Token	Round A Completion
June $0,01	Start Date August 2018 $0,033 Start Date November 2018 $0,2	Distribution **Listing** HITBTC IDEX TIDEX INDODAX
BONUS 50%	BONUS 30% >> 5%	
Minimum contribution: **$30.000** Maximum contribution: **$100.000** Private Cap: **$2.000.000**	1 Milestone = **$100.000** Minimum contribution: **$100** Soft Cap – **$5.000.000** Hard Cap – **$35.000.000** Mega Cap – **$100.000.000**	

Upon achieving Mega Cap, Token Sale will end

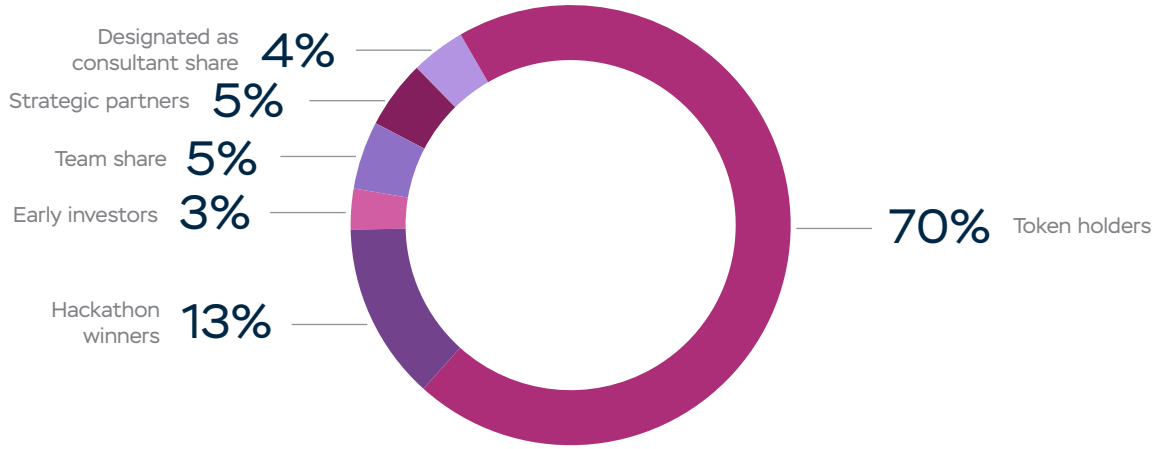
Participation in the Token Sale

As the Token Sale continues, you can acquire MIRA tokens by directly transferring ETH to our smart contract address. We only accept ETH from wallets. Be careful and remember that it is not advised to complete payment from wallets that are not ERC20 compliant or from an exchange account – this can lead to losing control over your purchased tokens.

We recommend using the following wallets:

METAMASK, MyEtherWallet, Ethereum

Token distribution

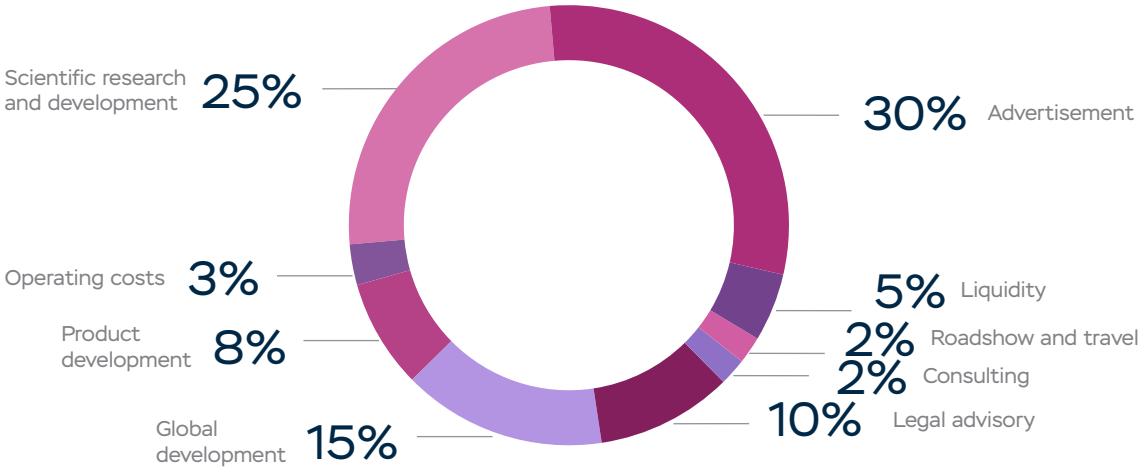


After the Token Sale, further centralized token distributions will be conducted from reserves made up of commissions paid. The cost will be determined based on market quotes. As we guarantee that additional sales will create a surplus of offers, there is also a risk that market quotes will decline. The distribution mechanism should even out the current risk as much as possible, with the goal of protecting the rights of token holders (for example, by extending the timeframe of the process).

Bounty program

Per our company policy, we have decided not to conduct a bounty program for our token.

Target token distribution:



Listing on crypto exchanges

After the Token Sale, tokens will be freely available for purchase or sale on many cryptocurrency exchanges. As the volume of trades and demand from users from different countries on the platform grows, the number of exchanges will grow as well. The project team plans to list on more than 12 international crypto exchanges.

It will be possible to conduct instant exchange of MIRA tokens for all liquid cryptocurrencies (BTC, ETH).

ROADMAP

2018 Q1
MIRAMIND

Q3
Private Sale, ICO Start

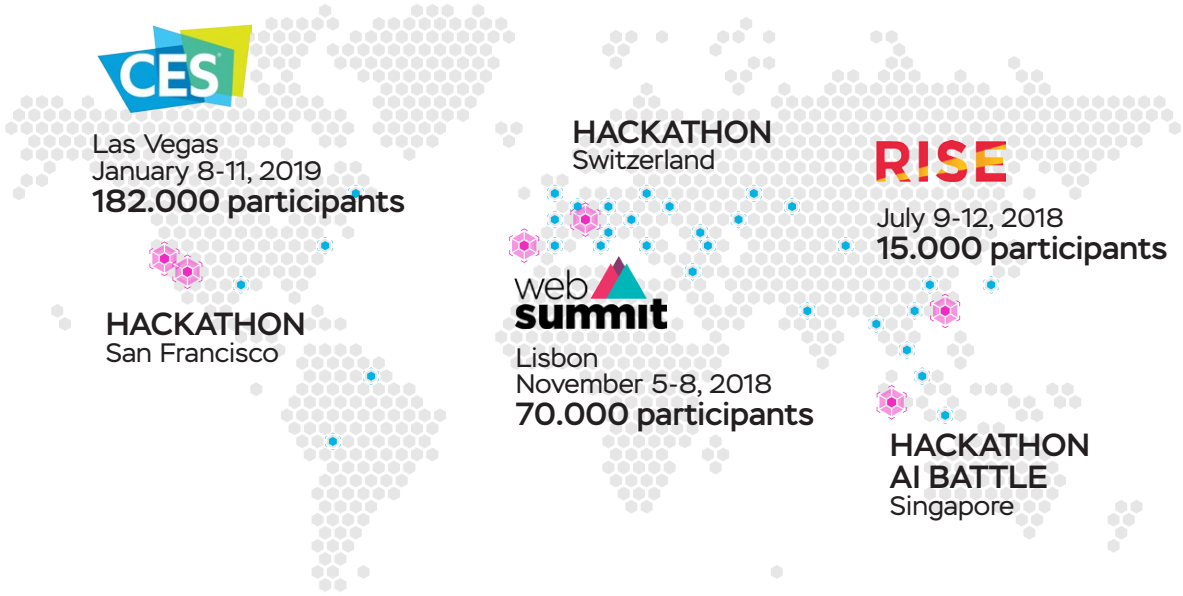
Q4
Development of global collaborations and partnerships
Conducting hackathons, AI Battles, AI Meetups

2019 Q1
Development start
Market for ready-made Intelligent Solutions and Data Laboratory for training AI Algorithms, Blockchain Integration

Q3
MIRAMIND Ecosystem Launch

ROADSHOW

30 cities.
HACKATHONS in 3 cities.
AI Battle.



TEAM

Mike Templeman

Advisor

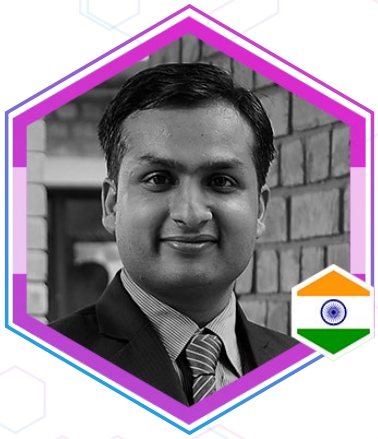
Contributor to Forbes, Fast Company, Business Insider, VentureBeat, Tech Cocktail, Washington Times, Entrepreneur Media. Founder of Foxtail Marketing.

Dmitry Nagaitsev

CEO

A ruthlessly ambitious businessman with experience of proactively managing multiple projects. His outstanding communication skills and intellectual curiosity have opened up opportunities to become one of the top influencers in the media industry. With an interest in high technologies and human-machine interaction, he decided to provide a creative solution by combining developers, scientists and researchers from different fields and present a brand new product that has no analogues in the world.

https://www.linkedin.com/in/dmitry-nagaitsev-a07555164/



Abishek Mittal

Advisor

Abishek is a blockchain enthusiast, who developed his penchant for technology during his college years. With a strong multi-country experience of 9+ years working with esteemed companies

https://www.linkedin.com/in/abishekmittal/

Laura Zaharia

Advisor

Active member in different ICOs from 2016, studying and analyzing all Crypto-Currencies and, also, providing insights as an advisor.

https://www.linkedin.com/in/laura-zaharia-a0802414a/

Prabu Dejavan

Senior Manager

His previous and current experience with ARIBA TECHNOLOGIES (SAP Company) Bangalore, India and Hewlett-Packard (HP) Bangalore, India have equipped him with functional skills of implementing business solutions based on user requirement analysis, testing and configuring them according to the technical requirements, building professional relationships with clients, learning promptly and adopting appropriately. Throughout his career he has demonstrated an exceptional facility for meeting organizational objectives and demand.

JC Lin

Advisor

He obtains experience in strategy planning, management and technology consulting. JC specializes in Blockchain applications, big data and artificial intelligence. By providing marketing, design, smart contract development and other services for ICOs, he helps companies that want to carry out different projects through Blockchain from its earliest phase to the completion of the project. JC has more than 16 years of professional experience in the field of ERP projects, and his greatest achievement was the SAP ERP that synchronized 33 companies in the North America, United Kingdom, Europe, Australia, China, Hong Kong, Singapore and Taiwan.

https://www.linkedin.com/in/lin-jc-84a34614b/

Rajesh Kumar

Junior Designer

With over 8 years of experience as a web graphic designer, Rajesh Kumar advanced his professional skills in Adobe Illustrator, Adobe Photoshop, Autodesk AutoCAD, Tableau, Adobe XD and became the winner of Design Hackathon conducted by Lollypop Designs, Bangalore in April 2018.

Kir Nemo

CVO

Kirill is an Artificial Mind ideologist and philosopher with over 20 years of AI research behind his back.

In the business world, he co-founded a logistics company and spearheaded a total overhaul of their internal business processes, making them the leader in logistics for the Far East. Since then, he is eager to fuse his practical know-how with exhaustive theoretical knowledge in order to revolutionize the way the entire world does business with his unparalleled vision for Artificial Mind technology.

https://www.linkedin.com/in/kir-nemo-54b42a31/

Jan Schets

Advisor

Jan is a seasoned entrepreneur, altcoin miner, and an early crypto investor.

https://www.linkedin.com/in/schets/

Victor Nagaitsev

CTO

Tech enthusiast with 15+ years of experience in SEO and IT, is currently focusing on creating a next generation of Artificial Intelligence. He has gained an experience in conducting SEO for MAIL.RU (annual revenue of $712 million) in Yandex, #4 largest search provider worldwide and increasing daily traffic up to 1 million visitors.

Speaker at: MegaIndex.TV conference, PROOFSEO, i-COMFERENCE.

Programmer: PHP & Java Script, C++, Linux, Python, Solidity.

https://www.linkedin.com/in/victor-nagaitsev-co-founder-at-miramind-70143836/

Irina Tridubenko

Event manager

Nadezhda Golovko

Head of HR

Anton Boltnev

Front-end Developer

Ekaterina Isaeva

Head of International Communications

Ivan Bychkov

Sales manager

Anastasiya Siz

SMM manager

Dmitry Pukhov

Developer

A multiple winner of international development hackathons, such as: Steemit Hackathon, Blockchain Institute, Unearthed, participated in the development of FPGA for convolutional neural networks. His role focuses on building neural networks using fixed-point math algorithms, creating FPGA architecture and implementing training algorithms. As part of the Phenom Team, he developed highload blockchain-related solutions. He also took part in a voice biometrics project for call centers by preprocessing data, constructing a pipeline for evaluation of different teaching methods and implementing web service prototype.

Beart Sofia

Digital marketing manager

Graduated from journalism faculty of Moscow State University and received an MBA in Marketing from Chicago Booth in 2014. She studied in Sorbonne and was awarded a Master of Business and Finance degree in 2017. Her rich educational background has allowed her to possess high-level expertise in online promotion tools. Starting from 2011, Sofia has been coordinating marketing and advertising in FMCG companies. Head of Marketing Department of JSC «Solidarity» until 2018.

Andrew Freeburg

Head of Content

Andrew's original background was in a different kind of artificial intelligence. After training at Yale as a theater director, he spent the past five years consulting companies of all shapes and sizes - from 3D-scanning robot developers to one of the largest fashion delivery companies in the world - on corporate communications, presentations, and collaboration. His work has taken him all over Europe, and has been recognized everywhere from corporate boardrooms to the world's largest theater design conference.

https://www.linkedin.com/in/andrew-freeburg-65450722/

Marat Mukhamedkhanov

Designer

MIRAMIND

GLOBAL INTELLIGENCE

MIRAMIND.IO
HELLO@MIRAMIND.IO
+44-7509-769034