A revolutionary platform, which:
- Combines more than 50 years world top scientific and business experience in agriculture
- Unites all the players of agroindustry
- Ensures highest possible execution success for agro project of any complexity
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1. Executive summary

SmartAgro is a platform for innovative development of the agro-industrial sector, an optimal mechanism for financing large-scale projects. It will unite the community of producers and consumers of the agro-industry. SmartAgro demonstrates a number of revolutionary solutions, the platform will allow you to evaluate, analyze and monitor projects, minimize the risks of investors, control the quality of products. AgroKlaster is a high-tech greenhouse complex. In order to prove the practical benefits of the platform, a modern high-tech hothouse combine will be built for year-round growing fresh vegetables with an area of 30 hectares. The hothouse plant will be an integrated part of the SmartAgro platform, and is the first project of the SmartAgro ecosystem with a scalable business model.

SAT - Smart Agro Token is a discount utility-token that grants the right to a fixed discount. SAT will allow to purchase platform services and AgroKlaster products with a discount of 65%.

2. Liability Clause

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Some of the statements, calculations and financial figures given in this WP are prediction based statements. They may be based on known and unknown risk factors and uncertainties, which may cause the actual circumstances and results to differ significantly from the calculations and results below, directly or indirectly provided for in such preliminary forward-looking statements. For the avoidance of doubt, nothing in this WP should not and cannot be interpreted as a promise or guarantee of achievement of the company's SmartAgro, or SAT token higher results in the future in respect to the effectiveness / relevance of the project, or as a promise, or guarantee of receipt by the holder of the token a profit due to the acquisition of the SAT token.

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purposes. Possession of the SmartAgro token\tokens does not give the holder of the token any other rights, such as the right to property, the right to distribution of assets or proceeds (including dividends), or other right to property (including intellectual property) in SmartAgro or any other related SmartAgro company, or other legal or financial rights, except those directly specified in this WP. While SmartAgro may request (for its consideration) the opinion, or opinions of the owners of the tokens on specific matters, the SAT token does not provide the holder with the right to participate in any decision or to give SmartAgro instructions on way to run a business.

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3. Key challenges of the agricultural sector

Over the course of 2 years we have been studying the urgent issues along with existing solutions of cultivation in the greenhouses. The practical study of the processes, technologies, suppliers and know-hows in this area has been long and rigorous. We studied issues related to the construction of a greenhouse plant and obtaining permits; calculation of the useful area and the necessary clearance; supply of equipment and technologies. In the process of studying, it became obvious that there are a large number of unnecessary facilitators and insufficiently qualified integrators in this sector of the market. It is extremely challenging, for most of the participants to bring greenhouse complex to the desired level of performance after building it.

As will be shown further in the chapter "The needs of the agroindustry market", there is a rapid growth of planetary scale. It is our duty to join forces to raise production to the proper level. One of the problems to be solved is the technological gap between existing facilities and new requirements for production and quality. According to number of estimates, more than 60% of such facilities use outdated technologies. The issue is particularly acute due to the lack of available funding. Many agricultural lands are located in areas of increased risk, characterized by low fertility. Global warming leads to a decrease in the agro-climatic potential of the planet. Many areas of traditional agriculture are becoming unsuitable for agriculture, due to desertification of some areas and flooding of the others.

In addition to state above, permanent urbanization reduces number of people engaged in agriculture. These people remaining in the industry will need new, better technologies to be able to grow more crops, using less land and less labor.

Another issue is financing of Agricultural projects. The key problem of project financing is that financial institutions are unable to assess the costs of the proposed solutions properly. Those costs are often inflated by "turnkey" suppliers, using the market condition. The challenge of obtaining an optimal solution for an adequate price in the implementation of our own greenhouse complex, served as an impulse to the documentation and development of global algorithms for interaction of all participants in the field of protected soil. At the moment, the project funders are solving this local problem with the help of a large international integrator of agricultural projects. Israeli integrator and RITSA (Russian-Israeli center of agricultural technologies) assist in the design creation and selection of technologies, on the basis of their vast positive experience, they assist the project team in the organization of open price system ("open book") tenders.

Today, the industry has a paradoxical situation, when there are a large number of manufacturers of equipment and technologies that provide good quality at a reasonable price, but are not able to track the
changing situation in the demand market. On the other hand, the owners of enterprises, ordering greenhouse technologies, cannot always take into account the subtleties in the differences between the equipment from different manufacturers, so they tending to buy some of the equipment at inflated prices from companies that do not produce, but actively promote certain products to the market. There are a large number of manufacturers of specific technologies that can solve a single problem, but not ready to take on a comprehensive solution. To achieve efficiency and productivity, a secure space for pooling efforts is needed.

"Know where-Know how" is a very popular consumer approach in the US, allowing the buyer to know - where and how food was produced, how long it was stored and how the products were delivered to the shelf. It would be right to scale this system. Since on a global scale, the information about the products on the shelves is partial and not always trustworthy. There are huge prices differences, while it is difficult to be sure where and under what conditions these vegetables were grown, what technologies were used in their production, how "environmentally friendly" they are and how safe they are for the consumer. These problems are having negative impact on the whole industry which will only become worse in a time being. The average annual increase in agricultural productivity will be rapidly decline, unless radical technological innovations will not be actively introduced soon. The need for development and implementation of innovative solutions entails an ever-increasing need for investment. The problem of lack of investment in the agricultural sector has not yet been solved, although there are stable positive trends, as reported by Higher School of Economics - National Research University (source).

4. The solution is an innovative SmartAgro platform.

For the first time in the industry, SmartAgro platform implements the latest methods of big data analysis, semantic and neural network analysis in a full extent along with traditional analytical tools, forecasting models and expert research. This will allow to analyze huge amount of relevant information such as regulations, reports, forecasts of international organizations-OECD (Organization for economic cooperation and development). Documents collected by FAO (Food and Agriculture Organization of the United Nations, the United Nations environment Programme, the world Bank, UNIDO (United Nations Industrial Development Organization), — relevant ministries and departments of various countries, manufacturing companies, leading research centers and universities, consulting and analytical agencies. SmartAgro is designed as an intelligent and innovative tool for the development of the agricultural industry. It will provide a model of alternative financing of agro-industrial facilities with a highly reliable degree of implementation of each single object. Our global partners-integrators well known worldwide have unique experience and competence in the field of forecasting and implementation of large-scale agricultural projects around the world. SmartAgro is going to use all of their data collected during 30+ years of experience. Utilization of the latest IT developments will allow us to analyze and evaluate new projects. By identifying the most productive and reliable of projects, SmartAgro will create a reliable and stable basis for investment in the agro industry.

SmartAgro will become part of the effective and successful development of such a significant sector of the economy.

4.1. Our mission vision and values

The SmartAgro project plans to make a qualitative contribution to the world program "how to feed the world population in 2050". We believe that in today's world there should be no place for hunger. Innovative technologies can and should solve this problem. SmartAgro will unite the community of agricultural producers and will increase the trust level of financial institutions towards entrepreneurs.
4.2. Goals and Objectives
1. Collection and systematization of the experience of leading specialists.
2. Achievement of maximal data reliability and best of class verification of commercial data via decentralized architecture; run your own Blockchain.
3. Create a centralized solution, bringing together all participants of the agricultural industry into a single technological ecosystem.
4. Create tools to assess the feasibility of an investment project in the agricultural industry.
5. Identification of the unscrupulous participants and non-productive projects.
7. Development of the entire agro-industry by creating a stable channel for funding effective projects.
8. Construction of its own highly profitable greenhouse plant-AgroKlaster, as a proof of the effectiveness of the solution.
9. Launch of a profitable loyalty program for the consumer - discount tokens.
10. Creation of a controlling instrument for the supply chain and verification of the products.

4.2.1. Collection and systematization of the experience of leading specialists
The success of SmartAgro implementation depends on the availability of the necessary information. Experience is needed to give a reliable analysis of the possible result of the project according to the declared parameters. Our partners are international integrators of the agricultural industry with a world name LR Group, Netafim. They have more than 30 years of experience in the implementation and configuration of highly complex and technological facilities. They are of information value as industry centers of competence and evaluation of agricultural projects of any scale. These integrators are acting as an information database of various solutions and applications of various technologies in the industry. They will be the main initial participants of the SmartAgro platform. With their help, we will consolidate a check-list models for filling in information into the platform and they will also be a verification source of analysis and data processing for quality verification, analysis and evaluation. For its part, the SmartAgro platform will allow participants to create, accumulate, organize and use these reference lists. Our integrators are ready to provide full expert support in the development of our project, which is confirmed by their official letters (see references to the letters of LR Group eng and Netafim).

The platform will include data on equipment and technology suppliers with a list of products they can supply.

The platform will also include data on the integrators, designers and builders. This segment is also a source of evaluation and an influencing element on the outcome of the projects’ feasibility assessment. SmartAgro platform is implemented with Blockchain technology and will unite all conscientious participants of the industry. It will allow to accumulate, systematize and use their experience for creation of new projects and for the optimization of existent once. Based on the synthesis and analysis of this experience will create new values for the consumer and all potential stakeholders. Using SmartAgro platform, it will be easy to conduct comprehensive RFP for the supply and development of technologies using unambiguous, clear criteria.

4.2.2. Achievement of maximal data reliability and best of class verification of commercial data via decentralized architecture; run your own Blockchain.
Assembled and multiplied experience must be stored securely. SmartAgro is an innovative platform that uses Blockchain technology to verify all its participants. Blockchain will not allow to change the information, thus creating the necessary trust.

The Blockchain technology will have the most impact on the trust of investors in the project, as all the claimed parameters of the new project will be stored in a decentralized manner. Each uploaded document will be verified and analyzed. The designer prepares a new project, makes all the necessary commercial
parameters: equipment, technology, performers, prices. Once the project is published, it is no longer possible to change the data retroactively. If you try to make a new document that is not already present, SmartAgro will report that the data chain is broken and there is a new document. Then it will show the result of changes to the previous document. If the document contains completely new parameters that were previously missing, SmartAgro will show information about the new parameters.

The platform will ensure the transparency of the project, will allow to see the entire order from the beginning to the completion of construction, thus eliminating unauthorized cost increases at each stage of the project.

SmartAgro will use all the advantages of Smart Contracts. This will allow reliable and transparent transactions between the participants of the ecosystem. Open source created smart contracts will be tested with ZeppellinSolution and posted on GitHub.

4.2.3. Create a centralized solution, bringing together all participants of the agricultural industry into a single technological ecosystem.

The components of the supply chain and agricultural production are isolated from each other. Today, to launch a new agricultural project, it is necessary to manually collect a lot of separated solutions. To start production, it is necessary to find suppliers of equipment, materials and technologies, contractors and developers; it is necessary to solve various financial and legal issues. For the successful sale of goods will also need to address issues of advertising, logistics and many other issues. Since the components and their parts are numerous and fragmented, it is very easy to lose sight of something. But each link in this chain affects the price and quality of products, terms and production and delivery of goods. Incorrect organization and selection of components will affect the reliability and success of the project as a whole.

SmartAgro platform will bring together all the separated components into a single Eco-system. The centralized solution will create an interactive system. This type of interactive system benefits cooperating participants, rather than participants competing with each other. Using the common infrastructure and unified interface of the platform, participants will create new products and implement innovations that they could never create individually, and which, thanks to their cooperation, will become available to consumers.

A centralized platform will help all participants to establish the necessary connections. The integrator will be able to find the missing components for his project. The manufacturer can find a new market among the integrators.

The platform will simplify and accelerate the interaction of all the participants involved in the implementation of agro projects. It will allow to create the shortest supply chains that optimally serves the needs of the projects, with minimizing financial risks for market participants.

The consumer's opportunity to participate in this process is also unique. By purchasing tokens, the end user will be able to enter into a direct relationship with the manufacturer. In return, the producer of agro products will receive alternative financing and the market for products.

4.2.4. Create tools to assess the feasibility of an investment project in the agricultural industry.

We have re-invented the project evaluation model by creating tools for transparent analysis of business parameters. An assessment will be required before the financial institution begins to consider the project for potential funding and significant resources are spent on the audit of documentation. Entrepreneur will be asked to make all commercial settings in the SmartAgro platform including suppliers of equipment and technologies, integrators implementing the project and other necessary data required for the proper design of the project.

Artificial intelligence component of SmartAgro platform will analyze the available information on similar projects in the global market and will provide relevant recommendations in the real time. SmartAgro will also provide real-time verification of all participants, show their experience, if any, feedback on the result
of the use of the proposed equipment and technologies, verify required level of informational accuracy, on the relevance of the declared parameters, both from cost and declared qualities perspective.

An important feature of the platform is to provide an alternative project cost for similar projects (same declared parameters) ran by other proven project owners, with comparable reputation and experience. Risk management and speed of decision-making have always been the key factors for the successful implementation of any project. Our solution significantly increases the speed of passing the quality check of the project, starting from the zero stage. Accordingly, it significantly reduces the time for consideration of large-scale projects. This is especially valuable when participant needs to finalize implementation by a specific season.

All points mentioned above will create a transparent mechanism for the successful implementation of a difficult-structured production facility of any level of complexity with the projected cost and required timelines of implementation. Thus, financial institutions will be able to offer businesses a significant reduction in the time of the project audit and save significant resources on processing a huge amount of data manually, helping to accelerate execution of the project.

Next important benefit is the assessment of markets and trends in demand; analysis of individual products; assessment of competitiveness and identification of niches and favorable conditions for the development of the projects.

4.2.5. Identification of the unscrupulous participants and non-productive projects

SmartAgro platform allows us to filter out proactively potentially unsuccessful projects at the initial stage, as well as those whose integrators and participants are not present on the platform, and, therefore, the risk are higher due to the missing information and inability to verify the performers. Further screening is possible at the stage of verification and comparative evaluation of the declared parameters of the project with the available data of already implemented projects of this subject.

4.2.6. Creation of a new standard in the agricultural sector

SmartAgro will become a new standard for project evaluation. When there is a choice which project one should invest into, it is essential to analyze a large number of different documents. The same information is presented in different forms, which greatly complicates the comparative analysis. Each entrepreneur prepares documentation on his own. One of our main tasks is to standardize reporting documentation and project evaluation process. To publish a new project, SmartAgro platform will request all the necessary information in a unified format, analyze it and produce the necessary charts and reports in a unified format. This will make it easy to compare projects with each other.

One of the criteria for verification of the provided data is comprehensiveness. Project cannot be published unless all the components are taken into account for a successful implementation. This will help to calculate the price for the end user more accurately, excluding unjustified overstatement of the price.

Today, the consumer has to compare the prices and quality of agricultural products manually. Our solution will allow you to standardize prices and centrally monitor many other parameters.

4.2.7. Development of the entire agro-industry by creating a stable channel for funding effective projects

SmartAgro will create a unique ecosystem that will attract innovative projects. SmartAgro will help to launch and develop effective projects, will help to create and develop demanded products. Reliability and transparency, ability to control the funds spent will attract financial institutions. They will be able to get a reliable platform for investing in the agricultural sector.

The result achieved by usage of the SmartAgro platform is an increase in the number of successful projects, which means more high-paying jobs, improving the social status of entire regions, reducing costs and improving the quality of life of the participants in any country.

Assessment tools and the transparency of the stages of production will allow the existing facilities to obtain recommendations for improvement. Thus, the industry will be able to constantly advance and to
improve the quality of products. SmartAgro will allow participants to support projects and keep them on the front line.

4.2.8. Construction of its own highly profitable greenhouse plant-AgroKlaster, as a proof of the effectiveness of the solution.

We believe that technology should not be theoretical. It is necessary to implement it timely in the real sector. As the result, development of our platform should affect the quantity and quality of agricultural products. AgroKlaster is a synthesis of agro-tech and the latest developments in the IT industry. Features and details of the construction of the AgroKlaster are described below.

4.2.9. Launch of a profitable loyalty program for the consumer - discount tokens

The participation of end users of the products is enabled by SAT procurement, with that consumers contribute to the modernization of all segments of the industry. SmartAgro platform development, including the integrated agricultural complex for the production of fresh vegetables, is being supported by preorder of the future service by the end user. For this purpose, the issued electronic coupon, entitling the consumer to purchase platform services, or produce of the greenhouse complex, OOO AgroKlaster. This coupon gives a discount on any kind of product or service in the amount of 65%. This coupon is called SAT.

4.2.10. Creation of a controlling tool for the supply chain and verification of the products

By usage of Blockchain technology, we plan to develop controlling tool and also the necessary software. This tool will help solving three problems by verifying the goods with the help of QR-code:

1. Realization of the consumer's right to know what he buys, where it was grown, how it was stored and how did it arrive to the shelves in shops.
2. Easier control for administrative, statistical and Supervisory authorities of counterfeiting.
3. For the manufacturer, the ability to track the process of delivery of products to the consumer and pricing processes. Quality management and control of products from production to the counter.

The benefit of this Blockchain solution lies in the field of B2C – a fundamentally new approach to the description of the logistics history from farm to plate; the exact “pedigree” of each vegetable that falls into the hands of the end user. Every customer should know:

- Where and how are vegetable products produced, where they are imported from?
- How well-known is the supplier of the products, or is it a counterfeit product?
- What technologies, seeds, fertilizers and preservatives were used in the production process?
- What were the terms of delivery and storage of a vegetable?

The current situation on the market requires a solution to this issue. Milk producers periodically recall the need to confirm the quality of dairy products, in order to identify counterfeit and create conditions for fair competition. Producers and sellers of alcohol are now using a similar system to streamline the turnover of alcohol-containing products, as well as for the administration and timely collection of excise payments. Some stakeholder suppliers of vegetable products mark their products with special stamps. In China and Germany there is a monitoring system designed to follow the logistics chain from the manufacturer of the vegetables to retailers.

All these attempts are taking place, but they are completely behind technology. The Blockchain solution will provide protection against counterfeiting and product manipulations, and will become a more technological and cheap solution to such problems. For example, IBM is developing a Blockchain platform that allows to track the production, logistics and implementation of medical cannabis. Our solution will give the consumer accurate information about the products based on the analysis and processing of
information of any agricultural producer. It will allow to obtain and compare data on yields, seeds, fertilizers and technologies used in production.

4.3. SmartAgro Eco-system
4.3.1. International Integrators
The key participants of the platform are integrators of the world-renowned agricultural industry:

- **LR Group** is an international integrator that implements large-scale projects worldwide. Agricultural support by the Integrator will allow to get a guaranteed yield in the shortest possible time (fixed by two separate contracts - EPC contract and contract for agricultural support). LR Group Israel provides an international guarantee to investors on the performance of the Contract, which is a significant tool in the implementation of the specified goal.
• **Netafim** is a world leader in drip and micro-irrigation, offering optimal solutions to minimize production costs. The result is a higher quality crop with an effective use of resources—water, land, electricity.

4.3.2. **SmartAgro target participants**

• **International integrators**
  • Design and construction companies;
  • Equipment manufacturers and technology developers;
  • Suppliers of components and consumables;
  • Warehouse and logistics companies;
  • Insurance and valuation companies;
  • Investment funds and banks;
  • Retail chains and large wholesalers;
  • State supervision agencies and specialized institutions;
  • End user;
  • The initiators of new agricultural projects and running agribusiness.

4.3.3. **Added Value for each type of SmartAgro platform participants**

• Companies-designers and builders will get a quality development channel without the need to invest huge amounts of money in advertising.

• Equipment manufacturers and technology developers will get the opportunity to innovate directly, without intermediaries, and get feedback from the end user.

• Suppliers of components and consumables will get more incentive for quality production.

• Warehouse and logistics companies will increase the flow of products and will be able to reduce the prices for the end users.

• Insurance and valuation companies will be able to valuate projects realistically.

• Investment funds and banks will mitigate risks, increase business efficiency, significantly reduce the use of own resources, increase the volume of implementation and reduce insolvencies.

• Network retail and large wholesalers will get an opportunity to fulfill their needs for qualitative production for the long period of time and to continuously improve loyalty programs for their end customers.

• State agencies of supervision and specialized agencies will get execution of the prioritized programs of the industry development, simplification of the control over the counterfeit goods (those which don’t have data about the process compliance and origin record), automated planning of production volumes and timing of commissioning.

• The end user will get an access to information about the quality of products and a ready-made loyalty program.

• The architects of the agricultural project will get an option for the alternative financing, substantial acceleration of Banks’ project audit, control of implementation steps and adherence to the expenditure of the approved budget.

4.4. **SmartAgro solution highlights**

1. Single pane of glass for the user, and decentralized for data security.
2. Scalability of the platform
3. Solutions applicable for any location.
4. Business case simulation
5. Environmental aspects: sparing agriculture, green project.
6. Social aspects: significant increase in agricultural production, basket of goods enhancement.
7. Economical aspects: significant increase in agricultural production, agricultural products’ cost reduction.

8. Comprehensive R&D: MVP, worldwide Integrators, highly professional team. A distributed data network will bring together all industry participants. SmartAgro platform will allow creation, collection and organization of reference designs and will allow to use experience of all industry participants in the creation of new projects and optimization of the existing once. We will make it easy to carry out a comprehensive standardized bid (RFP) for the supply of products along with development of unique and clear winning parameters and RFP processes. It will allow financial institutions to see a fair assessment of assets and property rights, and thus reduce the risks, making financing cheaper and returnable. The initiators and funders of agricultural projects will be able to consciously choose certain technologies, a particular supplier, etc. built-in artificial intelligence and machine learning functionality of SmartAgro platform will provide the consumer with optimal and reliable information.

The solution, that will organize, standardize and optimize agricultural market, will always be in demand among the professional participants of the industry. We will entrepreneurs to increase the investment attractiveness of agricultural projects, and, while minimizing financial risks, will provide a larger funding of Fiat currencies. Our solution will also allow further ICO for agricultural projects on SmartAgro platform. Our solution is developed with Blockchain technology built-in, to allow the parties to come to an agreement and to build the trust.

Our solution will allow to reform the market of equipment manufacturers and technology developers. Firstly, it will make all unscrupulous players such as intermediaries and manufacturers of inefficient technologies obsolete, and thus will make them quit the industry. Secondly, the solution will be a commercial stage for the introduction of innovative technologies and new companies offering revolutionary solutions to the market. Thirdly, the reduction of costs for marketing and promotion of own products will allow the vendor to reduce the cost of goods, and focus on the use of more modern technologies.

SmartAgro platform will form a global solution for fair and healthy competition. The solution will provide transparency of each business process, and the choice of the Customer will be determined by the volume (or size of the object under construction), nomenclature and individual properties of the products. Modern solution to actual problems, based on Blockchain technology, will allow markets to become more relevant. Solutions and technologies will have more innovation focus. Enterprises will become more competitive; SmartAgro solution will highlight real values of products such as ecological safety, nutrition value etc. along with company reputation and experience; offering vegetables to the market, not just for satiation, but also to improve the health of the population. In traditional markets organized according to the old principle of oligopoly, competition is complex and is provided by external mechanisms. Blockchain technology allows to organize markets in such a way that, despite the presence of large players, the consumer will vote for the "best" product, as the competitive advantages will be transparent and understandable to the buyer. At the same time, our model is relevant and can provide healthy competition at any level.

4.5. AgroKlaster

In order to implement the high-tech and innovative greenhouse in 2016, “AgroKlaster” LLC was established. All gathered knowledge and architecture principles will act as proof of concept and reference for future greenhouse projects created on SmartAgro platform. “AgroKlaster” LLC acts as an operator company and it is responsible for the organization, construction, implementation and quality control of a modern greenhouse that will produce fresh vegetables using technology of closed soil. These goals are achieved via integration of Blockchain technology in the business processes of the complex at the initial stage of its creation.
Added value of AgroKlaster:

1. We plan to market **functional** vegetables (also known as medical vegetables) for immune support and prevention of diseases.
2. Flexibility: ability to restructure the greenhouse plant for the popular types of products at no additional cost.
3. Improved quality of greenhouse grown product: due to the automation of business processes, each individual complex has a minimum service life of 20 years without loss of quality.
4. The universal management model to control the complex.
5. Easier fundraising process for at any stage of implementation.

As in many other trending market sectors that nowadays attracting funders and financiers, the agricultural industry as a whole and the construction of greenhouse complexes in particular, has not spared such a phenomenon as the apparent simplicity of implementation. After all, many people think the greenhouse business is very simplistic. As a matter of fact, modern greenhouse complex is an innovative, high-tech solution - “spacecraft”. Number and nomenclature of components for the manufacture of greenhouses quantitatively roughly coincides with the nomenclature of the Boeing 747. The type of lighting, power sources, inter-row distances, advantages and disadvantages of cogeneration, choosing the best technologies and many other questions and issues arises before the team of greenhouse designers.

AgroKlaster greenhouse conceptual design was developed by the international integrator (one of the TOP 10 Worldwide). After the completion of construction and commissioning of the greenhouse, the integrator will be responsible to achieve required production value according to the contract of agro-support.

AgroKlaster greenhouse complex will be an integrated part of the SmartAgro platform. It will be located in the Moscow region which is the largest, from the economic and demographic perspective, region in Russia:
Regional analysis:

- 19 million residents;
- 354.5 billion rubles (USD $6,000,000,000) annual food consumption spend value;
- More than 25,000 points of sale of food products, including more than 4,000 large chain retailer stores.

Moscow region is the largest consumer of food in Russia, with the consumption volume above 12,000,000 tons of food consumed annually, including vegetables and melons that are more than 1,800,000 tons per year.

According to Rosstat, the agricultural sector of the Russian economy has seen stable positive trends in increasing production of vegetables and increasing consumption of fresh vegetables. 2 years ago the total consumption of fresh vegetable products of the closed ground is 33% of the total consumption of the population. The remaining 67% of vegetable products in the amount of 1,072,000 tons were imported from the near and far countries.

5. Market analysis

5.1. Demand of the agricultural industry market

In the first half of this century, as the world’s population grows to reach about 9 billion, global food demand will almost double. Food production must increase additional 70% in order to be able to feed an additional 2.3 billion people in 2050. This challenge must be met while fighting poverty and hunger, using scarce natural resources in the most effective way and adapting to climate change - these major challenges will be faced by world agriculture in the coming decades, as reported in FAO documents.

According to FAO analysis USD 83 billion of net investment should be invested annually into developing countries in order to feed 9.1 billion people in 2050. In addition to that USD 50 billion should be invested annually for supporting services, which is necessary for the achievement of the production increase. Most of this investment will come from private investors, including farmers, who purchase equipment and machinery in order to invest in the processing industry.

According to estimates by the National Research University – Higher School of Economics, and other international forecasts, the volume of production of agricultural products in the world between 2016 and 2030 will increase by about 3% per year and will reach USD $9,300,000,000

5.2. New era of agro-industry and its potential

A new investment segment AgriTech (also called AgroTech) was formed, which overtook FinTech and CleanTech. USA, Canada, India, China and Israel are actively participating in AgriTech development.

Many logistical, financial and technological problems are being solved by usage of advanced IT and automation of processes.

"The analog period in agriculture is over, the industry has entered the digital era." - Goldman Sachs predicts that the use of new generation technologies can increase the productivity of the world’s agriculture by 70% and bring $800 billion of additional products by 2050. "Second green revolution" is incoming. Experts estimate that thanks to precision farming technologies based on the Internet of Things, there may be a surge in yields of a scale that humanity has not seen even at the time of the emergence of tractors, the invention of herbicides and genetically modified seeds.

Digitization and automation of the maximum number of agricultural processes is welcomed as a conscious need for the development strategy of the largest agro-industrial and engineering companies in the world. Link

The market for precision agriculture solutions will bring to producers and developers USD $240,000,000,000 in 2050. Some examples for such a solutions are: precise planting, precise irrigation,
precise fertilizer, spraying, and field monitoring and data analysis, solutions for small agricultural machinery, including autonomous machinery. Link

The opportunities for modernizing the industry are enormous. Accelerated by pressure from the need to increase productivity, agriculture is turning from a traditional to a high-tech industry that is capable of creating new markets for innovative solutions and developments that have not existed before to solve a large number of existing problems. Link

5.3. Key stakeholders in the SmartAgro platform

Investors: banks and funds, acquirors.

Auditors: Those who have to audit the project for financial institutions or investors, audit and evaluation companies.

Entrepreneurs: Those who are interested in implementing the project, initiators of the projects: the existing business owners and those who implementing new project, the businesses that requiring modernization.

Risk estimators: Those who will insure the risks of the insurance company.

Consumers and analytics: Those who are interested in information about the volume of production and production potential, in order to forecast the saturation of the market with their own production and to control the quality of products, those who need to be able to plan financial support measures for producers-government agencies reliably.

5.4. SWOT analysis

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal</td>
<td>1. Lack of initial capital.</td>
</tr>
<tr>
<td></td>
<td>2. Long-term project.</td>
</tr>
<tr>
<td></td>
<td>3. Insufficient experience in agricultural marketing and PR.</td>
</tr>
<tr>
<td></td>
<td>4. Target audience is chosen based on the project Team's assumptions, not on marketing and sociological research.</td>
</tr>
<tr>
<td></td>
<td>5. Lack of business reputation of the project Team as a whole.</td>
</tr>
<tr>
<td></td>
<td>6. The risks associated with the market launch of a completely new product.</td>
</tr>
<tr>
<td></td>
<td>7. Small amount of initial partners.</td>
</tr>
<tr>
<td>1. Unique approach.</td>
<td></td>
</tr>
<tr>
<td>2. There are no existing analogues of the proposed expertise, the data for processing is provided by the world’s leading experts-practitioners and currently is only used internally.</td>
<td></td>
</tr>
<tr>
<td>3. Exclusion of the human factor- data processing is done with help of artificial intelligence. Processed data is aggregated from all around the world.</td>
<td></td>
</tr>
<tr>
<td>4. Drastic reduction in labor force and financial investments for all the platform participants.</td>
<td></td>
</tr>
<tr>
<td>5. The geography of potential participants is not limited, personal participation of the customer is not required at any stage, everything is done online.</td>
<td></td>
</tr>
<tr>
<td>6. The administrative system of the project is</td>
<td></td>
</tr>
</tbody>
</table>
brought to a whole new high-tech level through the use of artificial intelligence.

7. The production of functional (medical) vegetables is practically not developed in the world, and in most countries does not exist. Distribution and consumption of functional vegetables will reduce the risk of multiple diseases.

8. Laboratory research in the agro-complex will allow ongoing collection of new information for future analysis on SmartAgro platform.

9. License model assures exclusive right for unique products.

10. Platform team is personally interested in best results and highest quality of services.

| External | 1. Opportunity for platform participants to enter new markets worldwide. | 1. Participation in SmartAgro Platform does not eliminate the competition in the agro-sector, on the contrary, it introduces fair competitors, approved by the participants of the platform. |
| | 2. Re-organization of the market by exclusion of unscrupulous participants. | 2. There is no threat of market reduction, and replacement for honest participants, then the capitalization of the Platform will grow, and the cost of vegetables sold may decline. |
| | 3. Recognition of product expertise at the governmental level. | 3. The target audience of functional vegetables may be reduced due to a decrease in the standards of living, product cost will also have to be reduced accordingly. |
7. The decline in the quality of free medical services and living standards in Russia makes us care more about the food choice people make.
8. Continuous professional development of specialists in the established research centers that will constantly improve the efficiency of the agricultural complex and reduce production costs.

4. Toughened legislation of cryptocurrencies.
5. Bringing a new product to the market and gaining the trust of consumers will require significant investments.

6. SmartAgro platform architecture

- Enterprise customers
- Data processor
- Inspection of incoming documents
- Blockchain
  - Smartero uses our own blockchain database. The metadata of all documents are stored as a chain and can not be changed. Each uploaded document will remain in the history
- Smart data
  - Datasets, documents are stored here
- Investors (looking for fastest return on investment product)
- Auditors
- Regulators and Government structures
- Framework for solution creation
  - Quality control
  - AI Market analysis
  - Financial modeling
  - Legal and Compliance
- API for public data
- Neural Networks
  - We use neural networks to analyze the data obtained. Based on our extensive analysis of the agricultural market over last 50 years we provide predictions of profitability and advise on emerging markets for any type of agricultural products
Bleeding edge technologies are used in the development. We use Blockchain, Neural Network, AI, OpenStack, Docker and Kubernetes. The platform is initially designed to work under high loads, with high standards of security and fault tolerance of the platform. Artificial Intelligence technology is used for the analysis of the agricultural data. The platform has a scalable architecture, a wide range of features for efficient operation and able to serve of large amounts of commercial information required for both business and end user (Big Data).

7. Tokenomics

7.1. Token distribution and application for the consumer.
To allow funding for SmartAgro platform development and integration of high-tech greenhouse complex, we are producing SAT (SmartAgro Token), which will act as discount coupons for products of the greenhouse complex and for SmartAgro platform services. Also the platform will only be available to SAT holders. SAT will offer companies and individuals a fixed discount of 65% on all types of services and a discount on the products of the greenhouse plant, as following:

1. Basic platform service: will be provided as a monthly subscription that will cost $1680 per month (excluding VAT) - and includes all the features finalized in the first year from the date of release of the SAT according to the roadmap. In the future, the cost of services will be increased to $5000 / month. In the third year of operation, the cost of the monthly subscription will be $10,000 in the subsequent periods of improvement of services and opportunities, service packages can be redistributed according to the functionality and status of the SAT holder. SAT holder status: Standard, Business, Premium and VIP. The status is determined by the volume of the purchased SAT and the term of their ownership.

2. Additional platform services such as project Audits or global tenders will be sold separately.

3. SmartAgro integrated greenhouse plant AgroKlaster will produce tomatoes and cucumbers. The discount is defined as a reduction in the cost of 1 kg of products, regardless of its nomenclature and time of year. The amount of the discount will be defined as a discount from the average retail cost of this type of product in the country of localization of the agricultural complex. Only SAT holders can benefit from the discount. The SAT holder will be registered in the SmartAgro platform.

The purchased SAT is an advanced prepayment for the future service. Thus, the consumer himself contributes to the formation of an effective market mechanism for the qualitative development of the massive industry. For each segment, the SAT provides value in short and long perspective. Large corporations, for example, fast food producers are interested in partner that is able to satisfy its daily need for fresh vegetables. And our greenhouse plant will produce 90 tons of vegetables per day, which will cover the needs of one large network of this segment. And this network will be strategically interested in such a solution, as it will get a big discount on high quality products and on a regular basis. Corporations that are not direct mass consumers of products will be able to get a discount on the service of other participants of the platform, or to use a discount to receive platform services for project evaluation, such as funds and investment funds that are considering financing projects in the agro industry.

The token can be used on the platform immediately after end of sale. Also, token holders will be able to immediately sell their tokens to those users who need them to access the platform and use the platform services.

SAT token in equivalent of 192 BTC will paid to ICOBox as a payment for services and use of ICOBox platform.
Token distribution: tokens will be distributed to buyers after 14 calendar days from the date of Token Sale conclusion, provided that there are no unforeseen circumstances and subject to KYC (You’re your Customer) verification procedures.

Till the end of the sale of SAT tokens, all received funds will be in escrow as an additional protection of the token buyers’ interests.

Company reserves the right to extend Token Sale period for two additional months, however, final Token Sale end date shall be not later than 31.12.2018.

**7.2. SAT sales process**

<table>
<thead>
<tr>
<th><strong>Hard Cap</strong></th>
<th>USD $48 M 450M SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>The maximum amount of funds raised for the timely implementation of the project on the market (the maximum program) is calculated on the basis of a forecast assessment of the industry in General and the market of analogues in particular, as well as the forecast of the profitability of the project (financial model). All the remaining tokens after reaching Hard Cap will be destroyed.</td>
<td></td>
</tr>
<tr>
<td><strong>The price of SAT</strong></td>
<td>Nominal $0,18 Average $0,15 Minimal $0,117</td>
</tr>
<tr>
<td>is calculated based on Hard Cap of the project and the average market data on the prices of tokens. The minimum price is the price with the maximum bonus.</td>
<td></td>
</tr>
<tr>
<td><strong>Amount of SATs</strong></td>
<td>Total 608,000,000 For sale 450,000,000</td>
</tr>
<tr>
<td>The issue of SAT will be a one-time.</td>
<td></td>
</tr>
<tr>
<td><strong>Reserved SAT</strong></td>
<td>158,000,000</td>
</tr>
<tr>
<td>26% from the total volume of SAT.</td>
<td></td>
</tr>
<tr>
<td><strong>Technical implementation.</strong></td>
<td>Ethereum based Smart Contract</td>
</tr>
<tr>
<td>The process of release and sale/purchase of SAT is regulated by a programmable smart contract, which is a digital analogue of contracts with more detailed scenarios of situations and algorithms of actions, as well as a mechanism for automatic management of digital data.</td>
<td></td>
</tr>
<tr>
<td>Smart contract technical standard</td>
<td>ERC20</td>
</tr>
<tr>
<td><strong>Ways of SAT procurement and accepted crypto currency based on the smart contract</strong></td>
<td>5 types of crypto currencies will be accepted with an automatic transfer system into a single currency-BTC</td>
</tr>
</tbody>
</table>

---
7.3. The distribution of the SAT, the nominal value of SAT and the minimum amount of purchase for units of service or product

<table>
<thead>
<tr>
<th>Title</th>
<th>%</th>
<th>SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-ICO and ICO</td>
<td>74%</td>
<td>450 000 000</td>
</tr>
<tr>
<td>Team</td>
<td>8%</td>
<td>48 000 000</td>
</tr>
<tr>
<td>Reserve for Future Development</td>
<td>13%</td>
<td>80 000 000</td>
</tr>
<tr>
<td>Advisors and Partners</td>
<td>2%</td>
<td>12 000 000</td>
</tr>
<tr>
<td>Bounties</td>
<td>3%</td>
<td>18 000 000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>608 000 000</strong></td>
</tr>
</tbody>
</table>
SAT pricing policy and distribution of the rights for the service or product

| Nominal SAT value in USD $ | 0.18 |
| Minimum amount of SAT to receive a monthly subscription to SmartAgro platform services | 588 |
| Minimum amount of SAT to purchase 1 kg of products | 2 |
| The value of a fixed benefit (discount) for a product or service in % | 65 |
| Expiration of the discount | 3 years |

7.4. Added value of SAT for the end user
Discount on product/service of the platform is fixed at a rate of 65%. SAT can be used for 3 years. SAT is released only once and in the limited volume, and no additional release will be provided. In case of exceeding SAT sales, additional Tokens will be added from the reserve. SAT cannot be reused, once SAT was used for payment it will disappear.

SAT demand growth drivers
1. Transparency of the project.
2. The launch of MVP+.
3. Launch of a fully functional platform.
4. Platform services are only provided to SAT holders.
5. Integrated in SmartAgro platform greenhouse complex.
6. Scalability of SmartAgro ecosystem via new projects and countries.
7. Production of agricultural products that can be discounted with SAT.
8. Expansion of the projects’ geography.
9. Next level forecasts and analytics.
10. Stable market prices for high-quality vegetable products.
11. Constant raising demand for the platform services.
12. Expansion of the platform functionality and geography of its presence.

Possible constraints to consumer demand for SAT
1. Failure to comply with the Roadmap
2. Decline of market prices for greenhouse complex products
3. Overflow of Russian market with cheap vegetable products
4. Decrease in purchasing power of the Russian population

The basic value of the SAT is provided by the volume of production and service that will be provided continuously. This means that during the entire period of activity, the value of SAT will be preserved. We will provide the customer with a long-term discount policy for 3 years. This solution is designed to increase the trust in innovations of this kind, which will significantly expand the geography of users our platform on a long-term basis.

Additional important infrastructure advantage – large holders of SAT will have free access to the platform, placing data on products, pricing and industry competencies. That will act as a commercial ramp in the widest targeted information coverage of interested consumers.

7.5. The attractiveness of SAT for the buyer
1. Long term significant discounts on services and products.
2. Increase of the purchasing power of the SAT holder for the necessary agricultural products.
3. Access to SmartAgro ecosystem - unique solutions in the agricultural industry.

7.6. A description of the ICO stages

<table>
<thead>
<tr>
<th>#</th>
<th>Stage</th>
<th>Start</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Private-sale</td>
<td>06.01.18</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Pre-sale</td>
<td>27.08.18</td>
<td>3 weeks</td>
</tr>
<tr>
<td>3</td>
<td>Administrative break</td>
<td></td>
<td>1 week</td>
</tr>
<tr>
<td>4</td>
<td>Sale</td>
<td>24.09.18</td>
<td>6 weeks</td>
</tr>
</tbody>
</table>

7.7. Bonus Policy chart

The standard SAT purchase bonus will steadily decline depending on the time of purchase, from 30% to 0%. The size of the standard bonus does not depend on the number of sold SAT.

7.8. Special bonus terms

Special 3 weeks will have an increased Premium bonus of 5% on the purchase of SAT. This premium bonus will be available only in case that the total raised funds for that bonus week will be from USD $5,000,000 to USD $10,000,000 otherwise, the bonus will be according to the standard bonus policy (see previous chapter)
7.9. Bounty split
1. 3% of tokens - 18 million SAT allocated for bounty programs. Terms of cooperation within the bounty program are discussed individually. For any questions, please contact the community Manager Yohanan Momot yohanan.momot@smartagro.io
2. Early bird program. Allocated 10 million SAT. The program for buyers or a pool of buyers logged on to private-sale and the first week of pre-sale. When buying SAT for an amount of USD $ 500,000, an additional 5% of the SAT amount is provided at the rate of the nominal value.

7.10. Special conditions for investment funds
An additional bonus is offered for the investors in the first month - an additional discount on the purchase of SAT according to a following table:

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td>160,000</td>
<td>1,000,000</td>
<td>+5%</td>
</tr>
<tr>
<td>1,000,000</td>
<td>5,000,000</td>
<td>+7%</td>
</tr>
<tr>
<td>5,000,000</td>
<td>10,000,000</td>
<td>+10%</td>
</tr>
<tr>
<td>10,000,000</td>
<td>More than 10,000,000</td>
<td>+20%</td>
</tr>
</tbody>
</table>

At the preliminary and closed stages of sale, SAT will be offered to professional market participants-integrators, equipment and technology manufacturers, retail, financial and insurance companies. Large SAT holders (from USD $500,000) get full access to the platform to place data on products, pricing policy of industry competencies.

7.11. The distribution of funds received from the SAT sale

The use of smart contracts will ensure the proper distribution of the collected funds. Escrow will reduce risk. The implementation of the smart contract at the stages of design, procurement, supply, installation of equipment and technologies will be the basis of the platform to fulfill the claimed solution terms. Built-
in machine learning features will allow the platform to provide stakeholders with optimal and reliable information. Automatic distribution of funds received when transferring SAT to customers is provided by smart contracts:

7.12. The planned result of SmartAgro's activities in the five-year perspective, after the execution of the Roadmap

![Graph showing financial projections 2018-2023]

8. SmartAgro platform development plan

8.1. Roadmap

05.05.2017 – 15.07.2018 High Level Design Planning, Administrative Document Signing, Partners contract signing, demo of SmartAgro platform based on real data of 6-15 Ha greenhouse


Q3-Q4 2018 Beta-testing platform. Functional registration of international integrators and suppliers (equipment, services and technologies). Functional ability to populate actual technological, services, equipment data.

Q1 2019 Project checklist modelling. Development and implementation of participants' verification in the Platform.

Q2 2019 Verification of first 10 projects. Beta of the platform available for open public. Internal security and functional audit of the platform.

Q-3 2019 Expansion of new platform members' database. Massive collection of functional data from integrators, project architects. Second platform Security Audit. Verification of projects, analysis and evaluation of the possible outcome of the project. Automated analysis of the provided data based on the checklist model. Opening access to the read and search the database via API to third parties

Q4 2019 Verification of additional 40+ projects. Release of mobile applications, WEB and API. Development of UI for public access to data

Q1 2020 Functionality enhancements, platform add-ons, analysis tools
Q-2 2020 100+ projects verified. Development of strategies and conditions for platform expansion, integration, new opportunities, enhanced API functionality

Q3 -2020 – Q4 2020 Fully functional platform. 300+ projects verified. Commissioning of the second 10 Ha greenhouse complex bringing the greenhouse complex to 15 Ha in total.

Q1 2021 – Q4 2022 500+ projects verified. Commissioning of the third 15 Ha greenhouse complex, bringing the greenhouse complex to 30 Ha in total.

Q1-2023 – Q4-2023 Platform serving 1500 unique users. 150+ residents of SmartAgro ecosystem. 700+ Verified projects.

8.2. General plan of development after holding the token for a sale

9. Project team


Founder of three businesses. From initial design to successful development both in Israel and Russia. Development of business to revenue level of USD $ 20,000,000.

Founder and CEO of the dealership "Moria" (مصيري מכוניות מואיה בע”מ) and leasing company with the same name.

CEO of the leasing company "ComfortLease" (Москва, комфортleasing ООО) organization of the leasing company from scratch following the invitation of the investors.

General Director of Multidisciplinary financial group LLC (brand Smart Finance Group).

Oleg Perepelkin (Russia) CEO. Co-Founder. General and strategic management. Managed more than 200 people. Development of financial models, international management experience of more than 20 years. Management positions in Enterprises of various sectors (financial sector, media, organization, and business processes control management):
CEO Deputy “Fin-Agro” OOO, Kaluga region.  
CEO “INDUSTRIAL LEASING”, Moscow.  
Director of the municipal cooperative “Association on television, press and radio broadcasting”, Zheleznogorsk, Krasnoyarsk region  
Director of investment and trust company “Alliance” LLP, Krasnoyarsk region  
Full business and technical support based on EPCM contract

Irena Voykhansky  GR. Director of Public Affairs and Government Relations. US based BA degree in international business management. Worked in large scale international projects involving government relations. Experience in building and maintaining influential relations with government officials, policy-makers and other stakeholders at various levels in support of the organization objectives. Fluent in Russian, English and Portuguese. Leading Curator of FIFA and Gazprom project “F4F” Area of responsibility 42 countries of South and Central America. Liaison/Referent - Embassy of Republic of Kazakhstan in Federative Republic of Brazil. Deputy Director of Public Affairs and Government Relations - Eifman ballet theater.

Evgeni Zeldin  (Israel) CIO. More than 20 years’ experience in Solution Architecture, IT Infrastructure, Management of Global Multinational Projects, Outsourcing, IT Consulting to Enterprises in Financial, Educational, Healthcare and Government sectors. Total budget more than USD $250 million.

Oleg Vaisband  (Israel) CISO (Chief Information Security Officer) Cyber Security Expert 18+ years in Design and Development of Security Solutions, IT-Consulting for global companies.

Andrey Protasevich  (Belarus) Chief designer, Design Department. More than 7 years of experience in creating and developing websites, design and printing. Participation in 30 web-projects, serving government and enterprises.

Dmitry Rzhevskiy  IT expert, Software Architect. 20-years’ experience in software development, including 9-years’ experience in information system design, and dev teams supervision in major IT companies. Complex and high-load systems development.

Denis Guzikov  Senior software engineer, analyst. 6 years’ experience in software development at Sberbank, Salut plant. Complex systems and large-scale projects development. Core skills in Java EE, Jax RS, Jetty, TestNG, Mokito, Git, Maven, EJB3, Glassfish, GWT, GXT, JasperReports, Jira Spring, Hibernate, ZK, SQL, Oracle. Knowledge of HTML, CSS, JavaScript, PHP, Delphi pascal, 1C 7.7

Michael Zelensky  (Switzerland) R&D 19 years of development and architectural experience worldwide in startups and global corporate companies. Machine learning, web development, UI, data analytics expert.

Meir Slanov  Marketing manager. More than 5 years negotiations and b2b sales and other experience in the Russia’s top banks, investment, media food production companies, as well as start-up development. Was dealing with payrolls, transaction business, corporate funding and other corporate banking products and tools, on-line promotion and marketing. Was involved in organisation of federal projects implementation, stuff training.

Yohanan Momot  Web development manager. More than 10 years experience in corporate accounting, system administration and teaching activity. Web developer and designer. Founder and developer of an online educational start-up “JewSource”.  

28
Margarita Rozovskaya (Russia) CTO of design and construction department. Design and construction of greenhouse complex. Management and creation experience of multifunctional construction projects, with a total budget of more than USD $400 million.

10. Partners

**LR Group Israel**
International integrator, implementing large-scale projects. Agricultural support by the Integrator will allow to get a guaranteed yield in the shortest possible time (fixed by two separate contracts - EPC contract and contract for agricultural support). LR group Israel provides an international guarantee to investors on the performance of the Contract, which is a significant tool in the implementation of the specified goal. LR Group is 30 years of success in the field of agriculture, telecommunications, medical and aviation technologies. Acts as a technical customer, general designer and general contractor "turnkey".

**Netafim**
The world leader in drip micro-irrigation. Deliveries of highly specialized greenhouse systems, industrial greenhouses and greenhouse equipment. Leader in the production of irrigation systems.

**AR Consultants**
All funds collected during token sale will be placed to the crypto escrow. Escrow services are provided by ADBK consulting (tech firm) and AR Consultants (law firm) to ensure the highest level protection of tokens purchasers' funds and rights.

**ST PROFILE**
Successfully developing company with 20 years of experience. Development and production of metal products, for multiple industries.

**AGROPROEKT Vostok**
A subsidiary company of Polish agro-projects group. Acts as general contractor for the construction of industrial facilities. Expert in the design and construction of cooling, air conditioning, ventilation and climate control systems.

**MAX MOTORS LLC**
Gas engines distributor of General Electric Jenbacher Company. Provides services of design and supply of equipment, general design, installation and commissioning services. Implementation of high-tech integrated energy projects based on gas-piston power plants in Russia.

**STK STROYTEKH**
Production of lighting equipment for greenhouses, developed according to the advanced technologies of the world leader in LED greenhouse lighting - Philips Horti LED.

**ICOBox**
Founded in 2017, ICOBox is currently the world's largest provider of ICO solutions, offering a wide range of fixed prices and custom packages for projects seeking to sell their products and services through ICO. As part of its solution, ICOBox provides technical, legal and marketing services.
11. Advisors

International development SmartAgro

**Claudia Marcia Meirelles** – Regional Executive Adviser South America Managing. Director Of X-Strategia Consulting, company acting on international B2B negotiations and management over 10 years. For questions related to the regional cooperation, please contact: +55 (61) 9 9876-6863 +55 (61) 9 9333-9629 claudiam_vaz@hotmail.com claudiammeirelless@gmail.com

**Fahardine Mrovili Mohamed** – Regional executive adviser Africa. Head of department of the registration, identification, the communication and the reception of the taxpayer of the administration of taxes and Domains to the Ministry of Finances and Budget of Comoros. For questions related to the regional cooperation, please contact: +269 332 69 69 +269 432 69 69 fahardineagid@gmail.com

**Fahad Ayaz Khan** – Regional executive adviser Asia. Head of Information Process Solutions (USA) Media Productions. Over 10 years of multifaceted experience in Marketing, Management, Strategic Planning, Product Development, Partnerships and Collaborations. For questions related to the regional cooperation, please contact: +92 321 478 9443 +92 306 048 2709 fahad.khan@ipscould.co

**Michael Luther** – West African Market Developer Pro bono Over 20 years experience in multinational global companies as Solution Architect, Executive Cloud Architect, Senior Bid Solution Architect, Lead Implementation Consultant and other senior technical roles. Email: luther.michael64@gmail.com.

**Jan Heere** – Investment Advisor. Has spent the last 18 years in International retail. Worked 10 years for Inditex S.A. in various roles and then became the CEO for Russia & CIS where with his team he expended the business to over 200 stores in just 5 years, from 2006 to 2011. Then became the International Director for Marks and Spencer Plc based in London. Supervised over 50 countries distributing the iconic British brand. CEO for Kiko Milano Spain. Today involved in different retail investments and startups as well as ICO projects.

**Boris Rosenwald** – AgroTech Expert. CEO of RICA (Russian-Israeli Center for Agro technology), breeder. Member of expert group of the Ministry of Agriculture of the Russian Federation and Israel, specializing in: breeding, cattle, modern greenhouse solutions.

**Vladimir Gorbanovskyi** – Member of Shanghai Cooperation Organization. Director of the BRICS Energy Association, CEO Deputy of the Shanghai Cooperation Organization Business Club, Director of Energolizing Corporation. CFO of State Transport Company Russia.

**Reuven Sudakin** – Senior developer. Neural networks, cloud technologies, integration, UI, web design, research, quality assurance, development team management, databases and various programming languages expertise. Technical lead in large software integration projects.

**Alexander Kukartsev** – Professional supply chain and logistics operations manager with over 14 years of diverse and progressively responsible international experience in the FMCG, oil & gas, iron & steel, mining industries in West Africa and Former Soviet Union. Skilled in creating world-class supply chain organizations enabling companies to move from a tactical operation to a strategic value with a proven
track record of building dynamic and performing teams, optimizing work processes and implementing advanced, robust and cost effective logistics solutions.

**Yulia Semenikhina** – Social Media Marketing & Public Relation. Graduated from the Russian Economic University named after G.V. Plekhanov, majoring in Finance and Credit, and twenty years of experience in financial companies and banks with international capital (MFK BANK, LLC «Renaissance Finance Bank»). Professional education and practical activities in Social Media Marketing and Investor Relations.

**Dmitry Lyamenkov** – The business analyst in ICOBox. ICO marketing expert, 1+ year in preparing and launching ICOs, 2+ years in cryptocurrency trading. Collaborated with 7 successful ICOs such as ICOS, Aworker, Arcona, Cubomania, BCSHOP, etc.


**Nadezhda Psareva** - Financial advisor. Professor in the department of economy and management, full member of the International Academy of Corporate Governance, organizer of international conferences. Member of dissertational councils in FGIBU. Consulting - corporate management for the creation and restructuring of holdings (more than 30 projects: OAO TATNEFT, ZAO Soyuzprommontazh, ZAO Soyuzhimontazh and others).

**Alla Lebed** – AgroTech expert. 10 years professional experience in managing a modern greenhouse plant more than 70 Ha. Experience in implementations of plant biosecurity methodologies. Expertise in greenhouses LED illumination.

12. Risk factors

The purchase of SAT tokens (hereinafter referred to as “Token” or “Tokens”) may be associated with a high degree of risk. To protect the interests of potential Token purchasers, the SmartAgro team (hereinafter referred to as “the Company”) conducted an analysis of such potential risks, and presented the result of this analysis in this chapter. IMPORTANT: THE FOLLOWING LIST OF RISK FACTORS IS NOT EXHAUSTIVE. IN ADDITION TO THE RISKS SET OUT IN THIS WP, THERE MAY BE ADDITIONAL RISKS THAT THE TEAM AT THIS POINT IN TIME CANNOT REASONABLY FORESEE. These risks can materialize in other forms of risk than those specified here. Before purchasing Tokens, each potential Token buyer is advised to carefully weigh all information and assess the risks of such acquisition, including but not limited to the risks set out in this WP, and to decide on the acquisition of Tokens based on his own conclusions.

**Technical and technological Risks**

**Blockchain associated risks**

Tokens are issued on the Ethereum Blockchain (“Ethereum”). In this regard, any malfunction of the Ethereum Protocol may cause restriction in the use of Tokens, and/or Tokens or the platform functionality in an unexpected way.
The risk of a hacker hacking or Tokens

Tokens may be subject to expropriation and/or theft, by token hacking, or similar hacking activities. Hackers or other groups or organizations may attempt to interfere with a smart contract or Tokens in a variety of ways, including, but not limited to, malware attacks, DDOS attacks, coordinated attacks, network attacks, and denial of service attacks, among others. In addition, because the Ethereum platform is based on open source software, there is a risk that Ethereum smart contracts may contain intentional or unintentional errors or flaws that could negatively affect Tokens or lead to loss of Tokens, loss of access or Token management. In case of such error or weakness of the software, there may be no remedy available, and no refund or compensation is guaranteed to the token holders.

The risk of hacking the computer of the owner of the Tokens, or loss of the password \ loss of private keys

Tokens purchased by the buyer can be stored by the buyer (owner) in his / her digital wallet or storage, for access to which a password, digital key or a combination of digital keys is required. Accordingly, loss of required keys associated with such buyer's digital wallet or storage storing Tokens can lead to loss of access to Tokens. In addition, any third party that gains access to such passwords and / or private keys, including by gaining access to login credentials to the hosting wallet or vault, which is used by the buyer, achieved by hacker hacking or negligence of the Token owner or his / her trusted persons, will be able to use the buyer's Tokens. The company is not responsible for such losses.

The risk associated with new technologies, and changes in technologies in the future

Tokens and Blockchain are fairly new and relatively untested technologies. While they have so far proven to be highly operational, reliable and secure, there is no guarantee that the technologies will not fail in the future. In addition, as technological progress advances develop, these technologies may be found to be flawed in order to prevent them from functioning in the way they currently function. Finally, there is no guarantee that the technologies in question will be compatible with any new technologies invented in the future, and their use will not be terminated for any reason because of such incompatibility as being inappropriate.

The risk of incompatibility service wallet

Electronic crypto or service provider of the wallet, used for receiving and storage of Tokens must be technically compatible with the Tokens. Failure to do so may lead to the fact that the buyer will not receive or be able access Tokens. The buyer of Tokens should independently establish the fact of compatibility of his crypto wallet with Tokens. The company is not responsible for any errors within the scope of such establishment.

Regulatory risks

Risk of regulatory uncertainty

The regulatory status of cryptographic tokens, digital assets and Blockchain technology is unclear or not regulated in many jurisdictions. It cannot be ruled out that such technologies, and in particular Tokens, may be subject to one or more adopted or newly interpreted laws (or other regulations), court decisions, or actions by various regulatory bodies around the world, including but not limited to imposing restrictions on the use or possession of digital tokens, such as Tokens. Such changes may adversely affect Tokens in a variety of ways, including, for example, determination of Tokens as regulated financial instruments that require registration or other legal requirements and procedures. The company may terminate Token distribution, platform development, or transactions in a particular jurisdiction if the actions of regulatory authorities of the relevant jurisdiction make it unlawful or commercially inappropriate to continue.
Risk of failure to obtain, maintain or renew licenses and permits
As of the Token sale date, there are no legal requirements that require the Company to obtain any licenses and permits necessary for the Token sale, but there is no risk that such legal requirements may be adopted in the future. In this case, the question of the sale and further use of Tokens will depend on the procedure for issuing such licenses and permits, and compliance with their terms. It cannot be ruled out that legal requirements will be technically or economically impracticable for the Company. The company may terminate the distribution of Tokens, the development of the platform or the operations in a certain jurisdiction in case of economic, technological or other impossibility to obtain the necessary licenses or permits in such jurisdiction.

Risk of government action
The Blockchain industry and token circulation is new, and simply because of the novelty can be subject to increased regulatory oversight and control, including investigation or enforcement. There can be no guarantee that the government will not examine the activities of the parties. All of this can be investigated, which in turn can have a significant negative impact on the Tokens and/or on the development of the platform.

Business risks
Risk of failure in development
It cannot be ruled out that for various possible reasons, including but not limited to, for reasons of insolvency of business or technological strategies or business arrangements, technological problems, the emergence of new technologies, etc., that the Company developed and described in this WP model may not find the desired functionality, won’t be operational or will not work in the way that the developers wanted to achieve. Also, it is impossible to exclude the risk that for the specified or other reasons, the development and implementation of the model may take more time than predicted at the moment, and at the time of readiness of the model it will be outdated and / or irrelevant.

Risk of insufficient implementation
We cannot exclude the fact that for various possible reasons, including, but not limited to, for reasons of insolvency marketing strategies, external constraints, or the actions of competitors, model, developed by the Company and described in this WP model may prove unpopular and / or unneeded, to experience a lack in the usability and practical application.

Risk of dependence on third parties
Even after the launch, the model developed by the Company and described in this WP will rely in whole or in part on third parties to accept and implement certain functions, as well as to continue its development, maintenance and support. Although these third parties are chosen by the Company’s team in good faith, there is no insurance or guarantee that these third parties will perform their work properly, or otherwise meet the needs of users, and this can have a significant adverse effect on the platform.

Risk of loss of funds
The project described in this WP, developed by the Company model \ created platform, as well as any funds collected within the framework of the described ICO, are not insured. In case of failure of the project for any reason, loss or loss of the functionality of the Token or platform, there is no private or public insurance representative to whom the Token buyer can apply for compensation.

Risk of force majeure ("superior force")
In the future, there may be extraordinary circumstances that the Company cannot reasonably foresee or prevent and which may be subject to limitations or obstacles to the operation of the Company’s platform or Token.
Specific risks
Construction of a greenhouse complex involves some specific risks:

Construction risk
Implementation of design and survey work is not in full. Late delivery of components, planting material, substrate. This may lead to an increase in the cost and time of construction of the greenhouse, the timing of its commissioning. The attitude of local authorities to this facility may lead to the introduction of additional restrictions that complicate the implementation of the project. Risk of emergency situations due to insufficient reserve capacity of the structure and engineering systems.

Production and environmental risks
Low seed germination, loss of seedlings, late sowing. A sharp spread of diseases and / or pests. Weak work of bees / bumblebees in winter due to high clouds. All this may entail additional costs for planting material and plant protection products. Also, unexpected reduction of space, a decrease in the output of early products. Characteristics of the composition of water, extreme seasonal temperatures, the threat of the storm winds, heavy snowfall, etc. may result in a decrease in the intensity of production and additional costs.

Economic risk
Instability of demand for products in the summer. Lower prices and increased production by competitors. Tax increase. The reduction of the solvency of final consumers. Growth of prices for raw materials. All this can affect the sale of products and entail additional costs.

13. Conclusion
SmartAgro is going to standardize and unify agricultural industry. We combine all the segmental components of the agricultural industry into a single Ecosystem. We will standardize business and project management processes in the industry, improve their efficiency, reduce the cost and simplify the implementation process. SmartAgro increases the number of new projects, simplifies evaluation and financing of agricultural projects. SmartAgro platform will provide full transparency from the producer to the consumer, reducing losses. You can find more information on our homepage: smartagro.io