



GPM CARBON

White paper

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Introduction

The project is part of the GPM-Planet Group, the details of the company can be found on the website gpm-planet.com

As part of the project a professional team of like-minded people was assembled. During the team-work from research to obtaining prototypes, the team showed purposefulness, resourcefulness and professionalism. At the moment, when we are as close to the launch of industrial application of technology as possible, we have formed a friendly and effective team aimed at the result.

Regarding economic indicators, the project is interesting for the possibilities of transferring cryptocurrency funds into real money with a good conversion rate. This marketing was prompted by the market, as in the environment of cryptocurrency holders there was a dual situation on investment strategies.

In addition to creating a unique production with high quality raw materials, we provide the highest level of service to our customers. On the basis of the enterprise the vertically integrated structure is created which includes: production site, warehouse, transport and information logistics. Process management is created on all business units and the company token will be the payment unit for the entire ecosystem of the company.

The project concept is to launch an innovative production of activated carbon with help of the technology of using raw materials with a high carbon content.

The GPM-carbon project solves 3 main problems of modern society:

1. Water resources pollution.

Factor leading to changes in the properties of water resources (chemical, physical and biological) as a result of human activities. This problem has been widely covered in reports such as:

[EPA Report](#)

[US Department of Energy/National Renewable Energy Laboratory Reports](#)

[FAO: Water Pollution from Agriculture: A Global Review](#)

2. Soil pollution

Factor affecting the accumulation of chemicals in soils and grounds as a result of economic and other activities in quantities that degrade the quality of soils and grounds and represent a potential danger to public health and the environment. This problem has been widely covered in reports and articles such as:

- [FAO 2018: Soil Pollution: A Hidden Reality](#)
- [Soil Management Review](#)
- [UK Environment Agency: Land contamination](#)
- [Land degradation threatens human wellbeing, major report warns by Jonathan Watts. The Guardian, March 26, 2018. Over 3.2 billion people are at risk from soil erosion, vegetation loss, and other forms of land degradation.](#)
- [One fifth of China's farmland polluted by Jennifer Duggan. The Guardian, April 14, 2014.](#)
- [Likely Spread of Deserts to Fertile Land Requires Quick Response, U.N. Report Says by Elisabeth Rosenthal. The New York Times, June 28, 2007.](#)
- [Soil erosion as big a problem as global warming, say scientists by Tim Radford, The Guardian, February 14, 2004.](#)
- [Illness linked to contaminated land: BBC News, 23 June 2003. Can we ever truly know the health impacts linked with polluted land?](#)

3. Contamination of food

The process of contamination of food products with radionuclides and nitrates, leading to deterioration in the health of consumers of such food, their development of chronic diseases and premature death. This problem has been widely covered in reports and articles such as:

- [Foodsafety.gov reviews](#)
- [Evaluation of certain contaminants in food](#)
- [Food Contamination: Major Challenges of the Future - NCBI - NIH](#)
- [Department of Health | 8 Food poisoning and contamination](#)

Project objective

Development and introduction into production of a fundamentally new technology for the production of activated carbon, which avoids such a significant impact on the environment and at the same time allows to produce activated carbon that meets the high standards set by the world's leading manufacturers.

For comparison, consider the main indicators of competitive industries*

Country of manufacture	Manufacturer	Brand	Mineral-based raw materials	Bulk density d, g/dm ³	Hardness H, %	Ash content Z, %	Iodine activity I ₂ , mg/g
GPM Planet	GPM Carbon	GPM Carbon	Anthracite hard coal	780	76	4.5	1100
India	Eco fresh carbon	Gold	Coconut	550	95	4	1150
India	Eco fresh carbon	Water purification	Coconut	550	95	4	1300
India	Eco fresh carbon	Air	Carbon	400-550	95	10	1000
India	Eco fresh carbon	MEKS	Peach pit	450-550	97	5	900
India	NWC Carbon	NWC	Coconut	480	98	3	1100
India	NWC Carbon	NWM	Carbon	440	96	10	950
India	NWC Carbon	NWN	Wood	300	98	7	1000
India	NWC Carbon	NWC GM-45	Coconut	500-570	99	3	No data
America	Calgon	FILTRASORB® 300	Bituminous coal	560	78	No data	900
America	Calgon	FILTRASORB® 600	Bituminous coal	620	80	No data	850

*All information in this table is collected from open sources, including raw materials manufacturers' websites.

Country of manufacture	Manufacturer	Brand	Mineral-based raw materials	Bulk density d, g/dm ³	Hardness H, %	Ash content Z, %	Iodine activity J ₂ , mg/g
America	Calgon	CENTAUR® 20x50	Bituminous coal	520	70	8	800
America	Calgon	CENTAUR-C® 12x40	Bituminous coal	500	75	5	900
America	Calgon	PULSORB WP 220	Charcoal	450	65-85	No data	800
America	Calgon	PULSORB WP 260	Charcoal	400	65-85	No data	1000
Sri Lanka	HAYCARB	RIWI 1010	Coconut	500	98	3	1000
Sri Lanka	HAYCARB	RWAP 2022	Coconut	480	98	1	1050
Sri Lanka	HAYCARB	RWAC 1004	Coconut	500	98	3	1050
Sri Lanka	HAYCARB	RFBA 1001	Coconut	450	98	1	1150
Belgium	DESOTEC	ORGANOSORB® 10	Bituminous coal	470	90-96	No data	1000
Belgium	DESOTEC	ORGANOSORB® 15	Bituminous coal	470	97	No data	850
Germany	CarboTech	CarboTech DGK 12*40	Coconut	500	No data	3	900
Sweden	JACOBI	AquaSorb®2000	Coconut	490	95	2	950
Sweden	JACOBI	AquaSorb®CPI	Coconut	510	No data	5	1000
Sweden	JACOBI	EcoSorb® CS	Coconut	530	98	4	1000
Sweden	JACOBI	ColorSorb® G7	Coconut	No data	No data	5	900

What is Activated carbon

Due to its physical and chemical properties, activated carbon is a unique and ideal purifying (sorption) material. Currently, it is difficult to name the sector of the economy where this unique adsorbent is not used. In fact, this is the second material after iron in the breadth of its application.

Activated carbon is a material with a developed porous structure, 87-97% by mass consisting of carbon. Activated carbon is obtained by activating a carbonaceous fault material.

Activation is a thermal treatment of carbonaceous fault material under special conditions, leading to the formation of numerous pores, crevices and cracks, and is accompanied by a significant increase in the pore surface per unit mass of the target product. The specific surface area of activated carbon is its most important adsorption characteristic. The value of the specific surface area of pores of the best brands of activated carbons can reach 1800–2200 m² per 1 g of carbon. The higher this indicator, the wider the range of tasks for the environment purification can be performed by the adsorbent.

Application field of activated carbon

Activated carbons are used in such spheres:

- Atmosphere: Purification of gas emissions, including desulphurization, gas purification system of nuclear power plants, capture of gasoline vapors emitted by vehicles, destruction of chemical weapons, destruction of solid waste, purification of air entering residential and working premises.
- Hydrosphere: Purification of drinking water, disposal of wastewater, water treatment, processing of liquid radioactive waste, gold and non-ferrous metals mining.
- Lithosphere: Soil protection from xenobiotics, including pesticides, soil remediation, sanitary protection zone of water sources.
- Human: Means of individual and collective protection of the filtering type, production of chemical and pharmaceutical agents, vitamins, antibiotics, enterosorption and hemosorption, receiving environmentally friendly food.

Main application fields of active coals:

- Chemical. Production of: chemical fibers, synthetic rubber, dyes, chemicals, etc.
- Medical. Production of: chemical and pharmaceutical reagents, antibiotics and vitamins, medicines and others.
- Nutritional. Production of: sugar, oils and fats, starch and molasses, wine and vodka drinks, cigarette filters and others.
- Metallurgical. Production of: flotation (enrichment) of non-ferrous metal ores, non-ferrous and ferrous metallurgy, gold mining.
- Gas and oil refining. Production of: separation and purification of the process streams, production of plasticizers.
- Atomic industry.

Modern production problems

The study of the experience of activated carbon production by the world's leading manufacturers leads to a disappointing conclusion: the vast majority of leading manufacturers, creating a product often of the highest quality, the action of which is aimed at solving environmental problems, at the same time cause serious damage to the ecology of the planet. This is primarily due to the methods of production and preparation of raw materials necessary for its production, as well as technological and production processes.

In modern technologies, the traditional raw materials used for the production of activated carbon (coconut shell, wood, peat, various types of carbon) has insufficient initial carbon content and to increase it requires an additional process of carbonization. This is an expensive and time-consuming process consisting of 7-8 technological operations that require additional equipment. During this process, there is a release into the atmosphere of volatile substances and resins accompanying the production process of more than 40% by mass of the processed raw materials with any technology for producing activated carbon.

In traditional technologies, the loss in the mass of raw materials to the resulting product is very significant. Thus, when used as a raw material of coconut shell, the yield of activated carbon occurs in a proportion of 6:1 (that is, to obtain only 1 ton of activated carbon, 6 tons of shell are needed). The proportion of activated carbon yield when using wood is 7:1, coal – 2:1, brown coal – 9:1, peat – 10:1.

Thus, when using modern production technologies, a huge part of raw materials, at the stage of its preliminary preparation, goes to waste, which, of course, are pollutants of the environment.



Analytical study of the development of the activated carbon market

The unique purifying properties of activated carbon, allowing to solve a wide range of environmental and technological problems of modern production, is constantly expanding its application sphere. The application field of activated carbon is very wide, and the gap between supply and demand is constantly increasing.

Factors determining the growth of the activated carbon market:

- Continuous improvement of strict environmental regulatory standards in major markets – USA, Canada and Western Europe. Purification of water, air and industrial effluents, strict standards for the mercury removal from the air during the production of energy using fossil fuels (carbon, oil and natural gas), stricter standards for emissions of vehicles – all these spheres require an increasing use of activated carbon.
- Raising emission standards and controlling water and air pollution in China, India and many other developing countries. Growing populations, water and air pollution caused by rapid industrialization and depletion of clean water sources are increasing the demand for activated carbon.
- Increasing production activity and actively applied innovative technologies in industrialized countries. Most of the processes using activated carbon are based on its use throughout the production process.

The growing pollution of the environment, increasingly stringent rules and regulations for water treatment and technological emissions, the growth of industrialization and the technological level of modern technologies, the growth of the world's population and urbanization are among the key factors contributing to the growth of the activated carbon market.

The growing pollution of the environment has already become a serious problem for both developed and developing countries around the world. Increasing environmental awareness creates a demand for products, systems or solutions that can effectively counter the adverse effects of large-scale environmental pollution.

Activated carbon, characterized by its exceptional adsorption properties, has been identified as an effective solution for air and water pollution control, resulting in its growing demand in both Mature and emerging markets worldwide.

According to [TechSci Research](#) experts due to the growing use in various end-user industries such as mining, food and beverage production, pharmaceuticals and chemical and petrochemical industries, the global activated carbon market is expected to grow rapidly over the next five years. According to their report «Global forecast and opportunities of activated carbon market for 2019», the world activated carbon market is projected to grow by 12% in 2019.

Experts of [Statistics Market Research Consulting Pvt Ltd](#) also agree with their forecast. According to the report, the world activated carbon market in 2017 amounted to 4.12 billion us dollars, and it is expected that by 2026 it will reach \$14.21 billion, an average increase of 14.7% in the period from 2017 to 2026.

To similar conclusions in their study, the experts [GLOBE NEWSWIRE](#). According to their forecasts, the global activated carbon market will average 12.1% during the forecast period. The industry is likely to grow from \$4.2 billion in 2017 to \$10.2 billion by 2024. During 2018-2024, the global activated carbon market will experience an average annual growth rate of 12.1%.

More detailed information on the activated carbon market can be found in the reports of analytical companies presented as of 2018:

[Wiseguyreport](#)

[Inkwood Research](#)

[Mordor Inteligence](#)

The main factors of growth of cost of activated carbon:

High demand for high-quality grades of activated carbon leads to an increase in its cost. In 2019, once again the world's major manufacturers such as [Calgon Carbon](#) and [Jacobi Carbons](#) announced a global increase in their prices by an average of 10%. In 2018, these companies also [increased their prices by 10-20%](#). The main reasons are the increase in transport and operating costs, as well as the continuing escalation of the cost of raw materials.

Major global suppliers: Cabot Corp., Calgon Carbon Corp., CarboTech AC GmbH, Kurary Co. Ltd., Osaka Gas Chemicals Co. Ltd., Haycarb PLC.

Currently, in many countries of the world there is a shortage of available low-ash carbonaceous raw materials necessary to obtain high-quality grades of active coals, the production of which, due to the aggravation of environmental problems, as well as the successful development of new areas of their application, is increasing.

Leads to higher prices and a rapidly growing consumer market. According to the company [Freedonia Group Inc.](#) in 2016, the volume of consumption of activated carbon amounted to about 1.9 million tons, and according to the forecast for the period up to 2026, global demand for it will grow by more than 10% per year. The most significant growth will be in the Asia-Pacific region and North America. The EU market is also characterized by stable growth with a growth forecast of about 5% per year. In addition, demand from countries such as Japan, India and China is expected to be a decisive factor in overall demand in the regional market.

GPM CARBON

Purposes

The purpose of the Carbon project is to organize the production of activated carbon in accordance with the developed environmentally friendly technology (see Description and technical description above) and to provide related services to consumers through the implementation of a vertically integrated structure.

Business Structure

The opening of activated carbon production using our technology is based on the following advantages

- Raw material. Always available in required quantity. The quality of raw materials required for the production of activated carbon is one of the best in the world.
- The production of the product according to our technology significantly reduces its cost compared with the cost of the world's major manufacturers.
- For the successful implementation of the project, we have a patented innovative technology of production of the product with the exclusive right to use it.
- Technological production will be located on the territory of our production complex, the competitive advantages of which are excellent geographical location, highly qualified personnel, full technological readiness of the production site for the installation and launch of technological equipment.



Business building and project development

Stage 1*. A period of 1 calendar year.** Stage-by-stage installation of four production lines with a total production capacity – 8,000 tons/year.

Stage 2. Term 1.5 years from the start of the project. Installation of one production line with planned production capacity – 10 000 tons/year.

Stage 3. Term of 0.5 years. The implementation of the service directions of the vertically integrated structure. Service areas are related to the provision of corresponding services to the company's customers: logistics and brokerage services.

Stage 4. Term 1 year from the start of the project. Acquisition of an additional production site (real estate, land, engineering networks) for the possibility of increasing the volume of production and release of finished products under the GPM Carbon brand name.

*project stages can move in parallel.

**all deadlines are filed from the end of the TGE

Company ecosystem

WAREHOUSE LOGISTICS

Storage of products in warehouses of the company.

INFORMATION LOGISTICS

Supplying cost conversion for calculations within GPM Carbon ecosystem.



TRANSPORT LOGISTICS

Delivery of raw materials for the productions and delivery offinished products to the customer.

BROKER SERVICES

Legal support of export operations.

Main financial indicators of the Business plan

At this stage, we have applied a simplified form of presentation of the financial model, but it corresponds to the business plan, calculated with all the factors affecting the business process.

Business plan of «Production of activated carbon» project KEY INDICATORS OF ECONOMIC EFFICIENCY*	
Planning period - up to	December 2028
Names of indicators	Value of the indicator USD
Proceeds from the sale of product, usd	314 160 000
Other proceeds, usd	0
Total income, usd	314 160 000
Investment and production costs, usd	157 742 543
Profit tax, usd	50 829 393
Amount of finance leveraged, usd	17 886 879
Interest on finance leveraged, usd	0
Net profit , usd	105 588 065
NPV, usd	28 885 024
IRR	62,7%

**The indicators above are provided solely for the purpose of demonstrating the planned financial model of the Carbon project, the GPM Coin does not entitle to participate in the project profit, receive dividends or other passive income.*

The main planned indicators of production

To achieve the financial indicators that are included in our Business plan, we plan to:

1. In the shortest possible time to bring production processes to stable operation, and the project to self-sufficiency.

Details Of The Project:

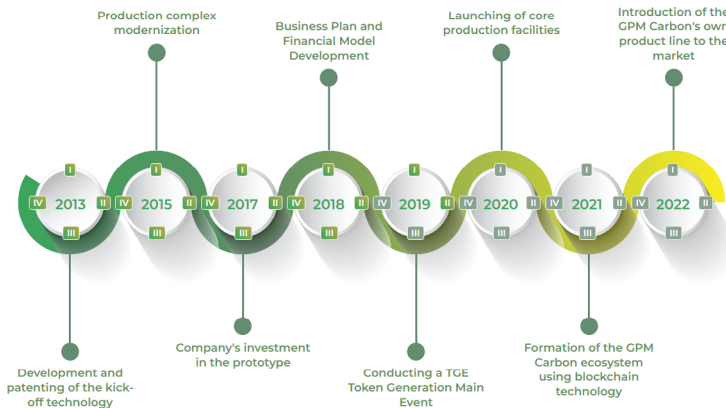
The total planned period of the project:	at least 10 years
First production:	6 months after the start of the project
The total construction period of production:	no more than 1.5 years
The project will start to make a profit in:	6 months after the start of the project
The required time before the return on investment:	1.5 years
Design capacity of production:	18 000 ton
Planned return on investment:	within 3 years

2. To use certain portion of business proceeds for purchasing GPM coin from the market at the market price.
- 3.
4. Part of the funds should be directed to the marketing of the project, which will promote its popularization among the community, and as a result, should lead to an increase in demand for the token.
5. To use the experience of similar ICO projects in the production sphere. We have carefully studied about 50 such projects and their real history in the future.

Road map

The company has long been engaged in the development of technology for the production of activated carbon. At the time of patenting the invention, roadmap was prescribed to start production and its output to the planned indicators.

- 2013 Development and patenting of launch technology
- 2015 Modernization of the production complex
- 2017 Of the company's Investment in the prototype
- 2018 Business plan and financial model Development
- 2019 The construction of the main events of the token generation TGE
- 2020 Launch of main production facilities
- 2021 Building the GPM Carbon ecosystem using blockchain technology.
- 2022 Launch of GPM Carbon's own product line



Importantly*: Capital expenditures have already been made and items 1, 2 and 3 have already been implemented.

	I st quarter	II st quarter	III st quarter	IV st quarter
2013	Design work on the reconstruction of the industrial complex	Development and patenting of starting technology	Commencement of work on the reconstruction and modernization of the industrial complex	Set of studies carried out with types of raw materials for improvement of technology
2015	Beginning of development of the use of GPM Carbon technology in agriculture	Modernization of engineering systems of the production complex	Analysis and study of technological equipment made in China	Completion of works on reconstruction and modernization of the industrial complex
2017	Analysis and study of technological equipment produced in India	Company investment in the prototype	Testing of GPM Carbon products at test centres and by consumers	Analysis and study of technological equipment produced in Belgium
2018	Analysis and study of technological equipment produced in India	Company investment in the prototype	Testing of GPM Carbon products at test centres and by consumers	Analysis and study of technological equipment produced in Belgium
2019	Opening of R&D offices and sales offices in Prague, Czech Republic	Pre-sale of tokens. Pre-sale	Conducting a TGE Token Generation Main Event	1st Stage of production. Launching of the first production line
2020	Phased installation of four production lines with a total production capacity of 8,000 tons per year	2nd Stage of production. Beginning of the production line with a production capacity of 10,000 tons/year	3rd Stage of production. Acquisition of an additional production site to increase production	Installation of a production line with a production capacity of 10,000 tons/year
2021	Reaching the output of the project on a total production capacity of 18,000 tons/year	Building of a GPM Carbon ecosystem using block chain technology	Beginning of the service direction of a vertically integrated structure	Execution of R&D works to develop your own product line for the production of GPM Carbon
2022	Opening of the second production site in the EU territory	Copyright registration of our own GPM Carbon product line	Start of production of our own product line using activated carbon under the trademark GPM Carbon	Building of a sales network for our own GPM Carbon product line

Importantly: the items highlighted in color are already completed.

Token economy

Token features

USP:

GPM Coin is a project from the real sector of the economy, which has a material embodiment. GPM Coin gives the right to obtain a real highly liquid product (activated carbon of universal application), which has a good competitive position due to high quality and physico-chemical characteristics and is produced by a unique environmentally friendly technology through the use of high-tech raw materials. The company's ecosystem is designed so that customers can make payments for the GPM Coin token. The token will be a universal means of payment within the Carbon ecosystem.

GPM Coin gives the right to receive 0.1 kg of activated carbon. Shipments are made through the company's service business. The availability of tokens from contractors gives the right to priority shipment of products by appointment. Delivery and other related product shipping services may be paid for with tokens. The token is applicable to calculations in the entire GPM ecosystem.

GPM Coin is running on the Ethereum platform (ERC 20).

The initial cost of the GPM Coin token.

Cost of 1 GPM Coin	Pre-Sale	0,15 USD
Cost of 1 GPM Coin	TGE	0,30 USD

(The market value of 1 kg of activated carbon is not less than 3 USD)

Pre-Sale Stage

Pre-Sale Hard Cap – 9 million USD

Discount 50%.

Reaching the Pre-Sale Hard Cap will allow the project to launch 4 lines of production

TGE Stage

Soft cap – 3 million USD Hard cap – 27 million USD

The Softcap level will allow to launch a full cycle of production with a capacity of 2,000 tons with constant reinvestment of profits.

The Hardcap level will allow to launch a full cycle of production with a capacity of 18,000 tons with the possibility of investing the net profit in the following projects of the company.

Number of tokens placed

Total number of GPM Coin tokens 180 000 000 pcs.

The total number of tokens produced corresponds to the annual volume of carbon produced by the Carbon project, which is 18,000 tons.

Pre-Sale will require max GPM Coin: 54 000 000 pcs (x0,15USD = 8,1 million USD)

TGE will require max GPM Coin: 90,000,000 pcs (x0.3USD = 27 million USD)

Tokens reserved for sale and not sold within the TGE will be sold by the majority holder of GPM Coins by prior arrangement.

Token distribution		
Allocation of funds	%	Number of tokens
Total number of tokens	100	180 000 000
Pre-Sale	30	54 000 000
TGE	50	90 000 000
Founders	7	12 600 000
Team	5	9 000 000
Advisers	3	5 400 000
Bounty	5	9 000 000

Advantages of owning a GPM Coin token

- Blockchain project focused on industrial products and supported by real production. The value of the token is based on the actual market value of the coal.
- Reliability of the project. Proven market business model, with full transparency at every stage.

- Start of production in 6 months, which means the ability to use the functionality of the token in the near future.
- The possibility of priority delivery of goods and the use of the functionality of the Carbon platform, which allows you to track the production processes and the status of delivery of activated carbon in real time.

The prospects of owning a GPM Coin token

Owning a GPM Coin token opens up unique prospects for its owner.

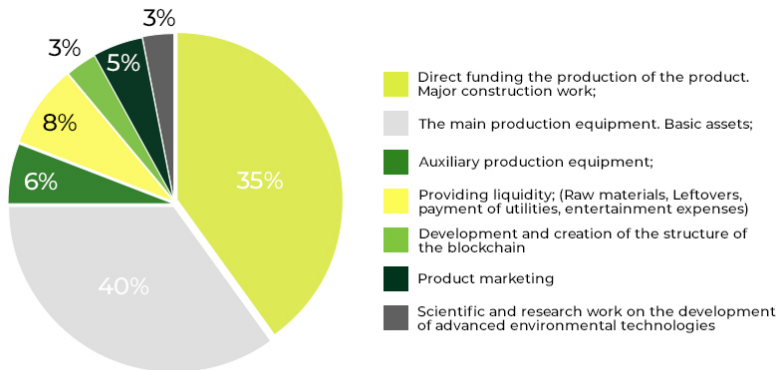
The actively growing sector of the activated carbon market provides a potential participant with the opportunity to purchase goods at the TGE stage. According to the expert opinions presented above, it is expected to increase the cost of activated carbon in the market to 12-20% per year. Thus, the growing in the long term world market of activated carbon and its widest application in the world allows us to talk about the reliability and long-term investments of GPM Coin token holders. And the convenience of market access gives the holder of the GPM Coin token additional confidence in the implementation of their financial strategies.

At the same time, the owner of the GPM Coin token is protected from the risks of a sharp decline in the value of the token in the case of a General fall in the crypto-currency market. In this case, he always has the opportunity to obtain in kind a certain amount of activated carbon, in accordance with the number of tokens purchased, for his own needs or for sale on the free market. To simplify the procedure of working with raw materials, GPM Carbon team is ready to provide the customer with the services of Express IR management company in the Czech Republic. This company will take on the task of selling activated carbon to the customer at a favorable market rate.

GPM Coin redemption policy by GPM Carbon project

GPM Carbon plans to produce the ransom GPM Coin by the project at market value activated carbon. After the purchase, the tokens will not be sent for sale, but will be frozen for use in the future for the development of the internal ecosystem of the project. The same mechanism will be implemented in the case of providing Agency services to token holders when selling their equivalent of activated carbon.

Allocation of funds	
The funds collected during TGE are planned to be distributed as follows:	
Direct funding the production of the product. Major construction work;	35%
The main production equipment. Basic assets;	40%
Auxiliary production equipment;	6%
Providing liquidity; (Raw materials, Leftovers, payment of utilities)	8%
Development and creation of the structure of the blockchain	3%
Product marketing	5%
Scientific and research work on the development of advanced environmental technologies	3%



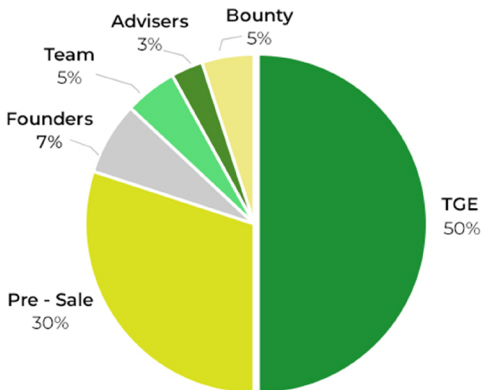
Additional information

Tokens are to be sold through a public token generation event. Token sale will be carried out in accordance with Token Generation Event Terms and Conditions, which will be published on the project website.

Pre-Sale Tokens Lockup Period. GPM Coins purchased during the Pre-Sale shall be subject to a lockup period of 6 (six) months from the end of the Token Generation Event (the "Lockup Period"), in order to avoid speculative use. At the same time, the Company may allow the use of GPM Coin on the Carbon Platform even during the Lockup Period, provided that the locked Tokens may not be transferred or exchanged.

Tokens perspective

Tokens perspective is due to a unique marketing move. We offer an attractive exchange rate of US Dollar to BTC, ETH and other digital assets. Current rates of redemption are always published by bounty operators. The correct implementation of the proposal will be monitored by the safety specialist of the GPM Carbon project.



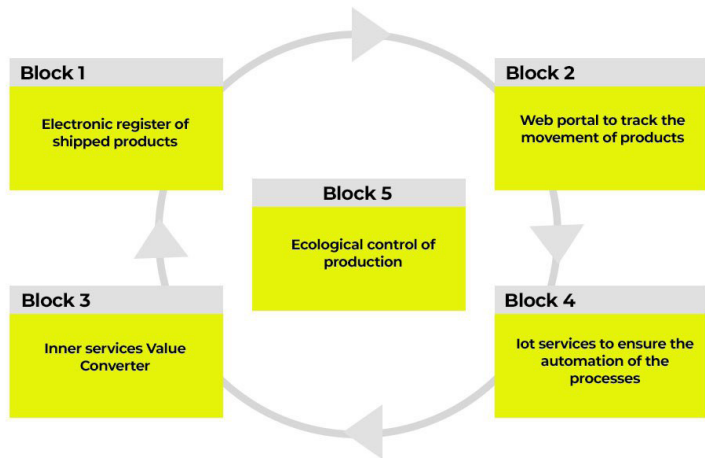
Application to the blockchain

The entire GPM Carbon ecosystem will be rebuilt with the use of blockchain technology. This will ensure maximum flexibility and security of all transactions in the company.

At the stage of launching the product line under the GPM Carbon brand, all products will be marked and recorded in the blockchain register.

Main elements of the system:

- Electronic register of shipped products;
- The portal to track locations of product distribution;
- Service unit cost converter;
- lot services to ensure the automation of the process;
- Ecological control of production



Picture 1

At the stage of launching the product line under the GPM Carbon brand, all products will be marked and recorded in the blockchain register.

Blockchain application

The entire GPM Carbon ecosystem will be rebuilt with the use of blockchain technology.

This will ensure maximum flexibility and security of all transactions in the company.

The main system elements:

Block 1. Electronic register of shipped products.

At the stage of launching the product line under the GPM Carbon brand, all products will be marked and recorded in the blockchain register.

In online mode, all investors and customers see the volume of produced goods, and the authenticity of the GPM product is confirmed by using electronic labeling.

Block 2. The portal to track locations of product distribution.

In online mode, all partners and customers see the passing of goods through control points on supply chain. This helps monitor execution of contractual terms. Principle of “solid confidence”.

Block 3. Service unit cost converter;The project has introduced database to assess the prime cost of individual stages. All production stages are reflected in the form of a data section in a single database on a selected server. Due to the use of predictive analytics, the company’s specialists are constantly working to reduce prime cost without losing the quality of the GPM product.

Block 4. lot services to ensure the automation of the processes;

The project has introduced database to assess the prime cost of individual stages. All production stages are reflected in the form of a data section in a single database on a selected server. Due to the use of predictive analytics, the company’s specialists are constantly working to reduce prime cost without losing the quality of the GPM product.

Unit 5. Ecological control of production.

The system of managing the production cycle compliance with the environmental standards. This system allows you to manage the production of raw materials, the main production process, the occupational safety of employees, cycles of packing, storage and transportation of the GPM product.

To move the project into a vertically integrated format, a three-tier server system has been developed (Picture 2)

Smart Contract

Smart Contract has been developed under all terms of the agreement between users. Special keys were included to hold the sale of tokens for various groups of token owners to exclude possible speculation. Smart Contract is placed on a GitHub account and published on the GPM Carbon website.

Token

GPM Carbon coin is created on the basis of ERC20 (Ethereum) Electronic transaction register for all ongoing operations in the vertically integrated project.

Cloud server

Storage of all transaction data is done using blockchain technology. This helps secure data from the threat of penetration or corruption to the greatest possible extent.

Cloud hosting

Physical repository of company data and location of the GPM platform;

Electronic register of finished products;

Predictive analytics module. Allows making all sorts of analytical forecasts based on the stored data.

Reporting module. For internal use only.

Additional service

All internal services of the company: logistics, brokerage, storage services are digitized by means of service tokenization, and anyone can pay for the service received through the company's tokens. The conversion rate is displayed by the Exchange Server.

Exchange Server

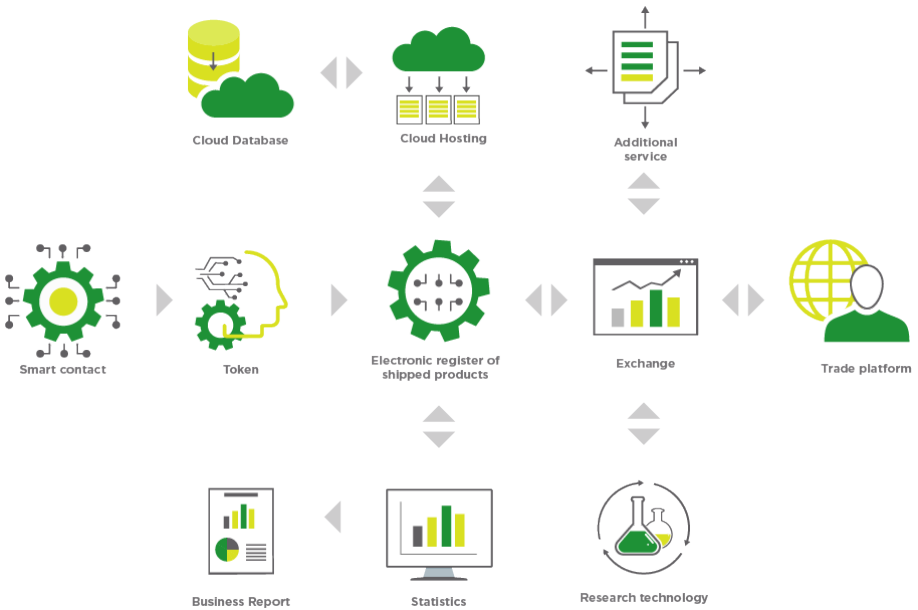
The company has introduced a server to calculate cross-rate for services through the specified platform with a powerful analytical potential. It stores data for the entire period, and uses lot technologies to perform the calculation with the most favorable coefficient.

Research & development

The company developed an internal asset accounting model. It helps accumulate funds for the study of technology and be in the market trend of industrial innovation. The company registers all patents in international jurisdiction, and use of technology within the vertically integrated structure helps eliminate the loss of prime cost in terms of subjective parameters.

Trade platform

Selling and exchanging tokens can be done through purchasing services or products of the company. The most economical exchange of digital assets is done through the created trading platform. This service is based on the company data center. Access to the service is open to all GPM Carbon token owners.



Picture 2

Our partner



Aurum

Aurum Law Firm provides legal assistance to businesses, technology companies, international organizations and individuals in various legal matters. The firm is a permanent legal adviser to a number of large technology and IT companies.



CMIGroup

The Nesa Solution (R) - the world's leading manufacturer in the design, manufacture, modernization and maintenance of equipment for energy, defense, metallurgy, environment and other industries in General. More than 5,500 employees on all continents.



Barrier

The Barrier is: top-5 leading global players in the field of water purification; brand № 1 in Russia with a market share of more than 40%; more than 25 years of successful work; modern production and warehouse complex; own research center; dozens of patents for unique technological developments.



Alliance Digital Fund

The international financial organization, whereby it involves having investment partnership by transferring the investor's assets into the fiduciary management of the fund. Foundation comprises professional traders, consultants and analysts. Our partners always have the opportunity to interact and communicate with representatives of the Alliance Digital Fund team.

Legal status of the GPM Coin

Carbon has approached the Carbon Token Generation Event in a comprehensive and responsible manner. Given the uncertain status of cryptocurrencies and digital tokens in various jurisdictions, Carbon has spent a significant amount of time and resources to analyze the legal status of Carbon business model and GPM Coin ("GPM") in jurisdictions where it plans to operate.

The GPM Coin is a functional utility token generated by Express.ir s.r.o., established under the laws of Czech Republic, and designed specifically for the Carbon Project. It is an ERC-20 compatible cryptographic token generated by Carbon, which is intended to be a cryptographically secured representation of a participant's rights to access and use the Carbon Platform, as well as receive specific goods or services from Carbon.

GPM is not a security, and is not registered with any government entity as a security, and shall not be considered as such, and we do not recommend purchasing GPM for speculative or investment purposes. The prospective participant should only purchase GPM with the purpose of receiving access to the Carbon Platform, specific goods or services from Carbon, under the terms to be further established.

GPM does not grant the right to receive any profits, income, payments, returns, dividends from Carbon or any of its affiliates, nor is it intended to be a digital currency, security, commodity, bond, debt instrument or any kind of financial instrument or investment carrying equivalent rights. Accordingly, any protections offered by the law in respect to the purchase, holding, or sale of the instruments and investments referred to above shall not apply to the participant's purchase, holding, or sale of GPM.

It is not recommended to purchase GPMs unless the prospective participant has prior experience with cryptographic tokens, blockchain-based software and carbon-related business. Once GPM Coins have been purchased, they cannot be refunded.

Residents of the following countries and jurisdictions are not allowed to participate in the Carbon Token Generation Event: U.S. Persons and Green Card holders, citizens and residents of Bosnia and Herzegovina, Central African Republic, Cuba, Iran, Iraq, Syria, Crimea Region (Ukraine), Venezuela, Democratic Republic of Congo, Guinea-Bissau, North Korea, Libya, Sudan, Singapore, Yemen, People's Republic of China (except for Hong Kong, Taiwan and Macau).

It is the liability of the participant to ensure that the funds used for purchasing GPMs were not derived from, invested for the benefit of, or related in any way to the governments of, or any persons within, any country under a U.S. embargo enforced by OFAC, or any persons who are named on the List of Specially Designated Nationals and Blocked Persons maintained by OFAC, or EU Restrictive measures (sanctions) list, or on any other similar list maintained by OFAC, EU Council, EU Commission pursuant to any authorizing statute, executive order, or regulation.

Project team

The project team consists of specialists from various industries with experience in major projects and ready to unite to achieve the goals of the GPM Carbon project. The full list of participants is reflected on the website www.GPM-Carbon.com

List of main participants

Kasinov Igor

Role: Strategic planning. The overall management of the Project.

Experience: extensive experience in real estate, development, asset management.

Yasenkov Pavel

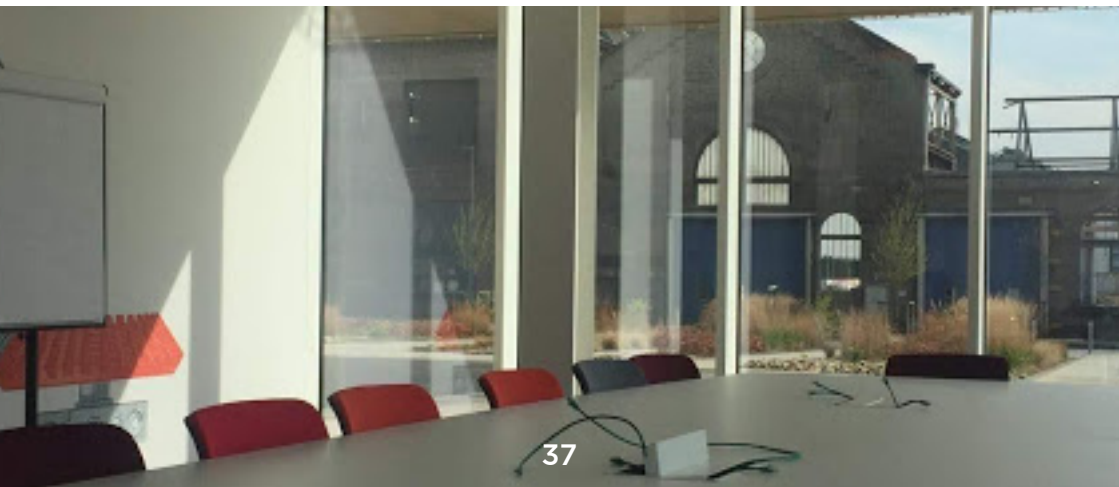
Role: Provision of a real estate object for the project implementation International and domestic logistics. Solving common issues in Project management.

Experience: extensive experience in real estate, international and domestic logistics, asset management.

Raikhat Khuzin

Role: Business planning of the investment project, analysis and financial control of the project, analytics.

Experience: extensive experience in management, finance, real estate, public administration, marketing and public procurement.



Churikova Evgenia

Role: The marketing, general promotion and sales.

Experience: experience in the development Corporation of Tula region.
Support of investment activity.

Levinsky Alexey

Role: IT specialist, advertising, promotion.

Experience: internet marketing.

Dmitrenko Viktor

Role: Marketing consultant.

Experience: Has been working in marketing since 2007. Specialization:
promotion of exclusive complex B2B services and projects in the markets of
the USA, Australia and Europe

Konstantin Nesterenko

Role: Production Technology Specialist

Experience: Technology, R & D, HR and Administration

Eduard Rumyantsev

Role: Finance Specialist

Experience: Expert in the finance planning and economy architecture



ANNEX I

Risks related to the Carbon Token Generation Event

PARTICIPATION IN THE CARBON TOKEN GENERATION EVENT CARRIES SUBSTANTIAL RISK AND MAY INVOLVE SPECIAL RISKS THAT COULD LEAD TO A LOSS OF ALL OR A SUBSTANTIAL PORTION OF CONTRIBUTION. The list below is not intended to be comprehensive.

No potential use

As of the date hereof, the GPM Coin has no known potential uses outside of the Carbon Project and Carbon will not support or otherwise facilitate any secondary trading or external valuation of the GPM Coin. However, such GPM Coin might be used in further Carbon's or its affiliates' projects.

Risk of loss

A person should not participate in the Carbon Token Generation Event unless he is prepared to lose the entire amount he contributed for purchasing GPM Coins. GPM Coins should not be acquired for speculative or investment purposes with the expectation of making a profit or immediate resale.

No promises of future performance or value are or will be made with respect to GPM Coins, including no promise of continuing payments, no promise of inherent value and no guarantee that GPM Coins will hold any particular value. Unless prospective participants fully understand and accept the nature of Carbon Project and the potential risks inherent in GPM Coin Generation Event.

Risk of Insufficient Interest in the Project

It is possible that the Carbon Project will not be used by a big number of people, companies, and other entities or that there will be limited public interest in the creation and development of distributed platforms (such as the Carbon Platform) more generally. Such a lack of use or interest could negatively impact the development of the Carbon Project and the potential utility of GPM Coins, including its utility for obtaining services within the Carbon Project.

Legal uncertainty

Carbon is in the process of undertaking a legal and regulatory analysis of the functionality of GPM Coins. Following the conclusion of this analysis, Carbon may decide to amend the intended functionality of GPM Coins in order to ensure compliance with any legal or regulatory requirements which it is subject to. In the event that Carbon decides to amend the intended functionality of GPM Coins, Carbon will update the relevant contents of its whitepaper, of the Carbon Token Generation Event Terms and Conditions and upload the latest version of the documents to its website (<http://gpm-carbon.com/>).

GPM Coins could be impacted by regulatory action, including potential restrictions on the ownership, use, or possession of such tokens. Regulators or other circumstances may demand the mechanics of the GPM Coin to be altered, all or in part. Carbon may revise mechanics to comply with regulatory requirements or other governmental or business obligations. Nevertheless, Carbon believes that it has taken all commercially reasonable steps to ensure that its planned mechanics are proper and in compliance with currently considered regulations.

Carbon's intended activities are subject to various laws and regulations in the countries where it operates or intends to operate. Carbon might be obliged to obtain different licenses or other permissive documents in each jurisdiction where it intends to operate its business, therefore, Carbon's business in such jurisdictions shall always be subject to obtaining such licenses or permissive documents, if so directed by applicable laws. There is a risk that certain activities may be deemed a violation of any such law or regulation. Penalties for any such potential violation would be unknown. Additionally, changes in applicable laws or regulations or evolving interpretations of existing law could, in certain circumstances, result in increased compliance costs or capital expenditures, which could affect Carbon's ability to carry on the business model and the GPM Coin model proposed in the Carbon whitepaper.

Risks Arising from Taxation

The tax characterization of GPM Coins is uncertain. The participant must seek his own tax advice in connection with purchasing GPM Coins, which may result in adverse tax consequences to him, including withholding taxes, income taxes and tax reporting requirements.

Forward-looking statements

Carbon whitepaper, content of Carbon website, press releases, public statements etc. May contain forward-looking statements, i.e. statements related to future events. Forward-looking statements often address the expected future business and financial performance of Carbon, the performance and effectiveness of Carbon Project, often contain words such as “expect”, “intend”, “plan”, “believe”, “will”, “would”, “ultimately”. All statements regarding Carbon’s financial position, business strategies, plans, future application of the carbon project, future functionality of Carbon Platform and GPM Coin, and future prospects of the industry which Carbon is in, are forward-looking statements. Such forward-looking statements are based on certain assumptions and analysis made by Carbon in light of its experience and perception of historical trends, current conditions and expected future developments and other factors it believes are appropriate, and are subject to risks and uncertainties. Although the forward-looking statements contained in this whitepaper are based upon what Carbon believes are reasonable assumptions, these risks, uncertainties, assumptions, and other factors could cause Carbon’s actual results, performance, achievements, and experience to differ materially from its expectations expressed, implied, or perceived in forward-looking statements. Given such risks, prospective participants in the Carbon Token Generation Event should not place undue reliance on these forward-looking statements. The list of risks contained in this whitepaper is not a definitive list of all factors associated with a making a contribution during the Carbon Token Generation Event.

Carbon undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date of its whitepaper. Carbon cannot guarantee that any forward-looking statements made by it or expected results of operation of Carbon Project will correlate with the actual future facts or results. Any prospective participant must acknowledge that Carbon Platform may not have all of the expected functionality. Carbon does not take any responsibility in regards to the functional capabilities of Carbon Platform, which is provided “as is”.

Risk of theft

Carbon will make every effort to ensure that the funds received from the Carbon Token Generation Event are securely stored and held. Notwithstanding the aforesaid, there is no assurance that there will be no theft of the cryptocurrencies as a result of hacks, sophisticated cyber-attacks, distributed denials of service or errors, vulnerabilities or defects on the website, in the smart contract(s) on which the Carbon Token Generation Event rely, on the Ethereum or any other blockchain, or otherwise. Such events may include, for example, flaws in programming or source code leading to exploitation or abuse thereof. In such event, even if the Token Generation Event is completed, Carbon may not be able to receive the cryptocurrencies raised and/or use such funds for the development of the Carbon Project. In such case, the development and launch of the Carbon Project might be temporarily or permanently curtailed. As such, distributed GPM Coins may hold little worth or value.

Access to Private Keys

GPM Coins purchased by a participant may be held in his digital wallet or vault, which requires a private key, or a combination of private keys, for access. Accordingly, loss of requisite private key(s) associated with the participant's digital wallet or vault storing GPM Coins will result in loss of such GPM Coins. Moreover, any third party that gains access to such private key(s), including by gaining access to login credentials of a hosted wallet or vault service the purchaser uses, may be able to misappropriate his GPM Coins. Carbon shall not be responsible for any such losses.

Technological risks

An open-source development comes with risks related to hacking and cyber-attacks that can cause a negative impact. To mitigate that risks the Carbon's team will be allocating resources in auditions and security tests, to ensure the Carbon Platform's safety. Also blockchain development is a relatively new technology and there will be a challenge requiring human resources with this specific knowledge.

Risks Associated with the Development and Maintenance of the Carbon Platform

The Carbon Platform is still under development and may undergo significant changes over time. Although Carbon intends for GPM Coins and the Carbon Platform to follow the specifications set forth in this whitepaper, and will take commercially reasonable steps toward those ends, some changes might be made to the specifications of GPM Coins or the Carbon Platform for any number of legitimate reasons. This could create the risk that GPM Coins or the Carbon Platform, as further developed and maintained, may not meet the participant's expectations at the time of purchasing GPM Coins. Furthermore, despite Carbon's good faith efforts to develop and maintain the Carbon Platform, it is still possible that the Carbon Platform will experience malfunctions, unplanned interruptions in its network or services, hardware or software defects, security breaches or otherwise fail to be adequately developed or maintained, which may negatively affect the Carbon Platform and the potential utility of GPM Coins.

Unanticipated risks arising from the Tokens

Cryptographic tokens such as the GPM Coin are a relatively new and dynamic technology. In addition to the risks included in the above, there are other risks associated with the purchase, holding and use of GPM Coins, including those that Carbon cannot anticipate. Such risks may further appear as unanticipated variations or combinations of the risks discussed above.

Risk of Alternative, Unofficial Projects

Following the Carbon Token Generation Event and the continued development of the initial version of the Carbon Platform, it is possible that alternative applications could be established, which use the same open source code and protocol underlying the Carbon Platform and/or elements of its business model. The official Carbon Platform may compete with these alternative projects, which could potentially negatively impact the Carbon Project and GPM Coins, including their value.

Technological risks

An open-source development comes with risks related to hacking and cyber-attacks that can cause a negative impact. To mitigate that risks the Carbon's team will be allocating resources in auditions and security tests, to ensure the Carbon Platform's safety. Also blockchain development is a relatively new technology and there will be a challenge requiring human resources with this specific knowledge.

Risk of Unfavorable Fluctuation of USD and Other Currency Value

Carbon's team intends to use the proceeds from selling GPM Coins to fund the maintenance and continued development of the Carbon Project, as described in the Carbon whitepaper. The proceeds of the Carbon Token Generation Event will be denominated in USD, and may be converted into other cryptographic and fiat currencies. If the value of USD or other currencies fluctuates unfavorably during or after the Carbon Token Generation Event, the Carbon's team may not be able to fund development, or may not be able to develop or maintain the Carbon Project in the manner as it intended.

No warranty

Carbon does not make, or purport to make, and hereby disclaims, any representation, warranty or undertaking in any form whatsoever to any entity or person, including any representation, warranty or undertaking in relation to the truth, accuracy, and completeness of any of the information set out in Carbon whitepaper, on the website or in other materials.

