



CeBioLabs.io

White Paper

A Blockchain-Based Supply Chain Management Solution for the
International CBD and Cannabis Industry

Reshaping the Global Market for CBD and Cannabis

Version 1.0

What is CeBioLabs and what do we do?

We are a young company registered in Germany with a vision to revolutionize the management of value chains of the CBD and cannabis industry. Our team sees itself as a collective of CEOs from the CBD market, crypto experts, economists and software and system developers. The "CeBioLabs" project, as the Issuer of the "CBSL tokens", will develop innovative systems and solutions for the CBD and cannabis market and launch research projects. All companies wishing to use our systems and solutions must pay the applicable fees in CBSL tokens.

CeBioLabs is supported and managed by the following German companies:



CeBioI
Blockchain Solutions

Company: CeBioI Blockchain Solutions GmbH
Founded: 2021
Headquarters: Hamburg, Germany
Expertise: CBD and Blockchain Technology
Team: 10 Experts



CeBioI.

Company: CeBioI GmbH
Founded: 2018
Headquarters: Hamburg, Germany
Expertise: CBD and Cannabis Market, Trade
Team: 12 Experts



Company: getViews Consulting UG (haftungsbeschränkt)
Founded: 2013
Headquarters: Kassel, Germany
Expertise: Krypto and Blockchain Technology
Team: 3 Experts

VON FERBER | LANGER

Legal support by VON FERBER | LANGER Partnership of lawyers regarding the regulatory classification of the CBSL token by the German Federal Financial Supervisory Authority (BaFin)

Info: www.kvf-law.de

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1. Abstract

The market for Cannabis and Cannabidiol (CBD) is growing steadily and becoming increasingly popular around the world. Despite country-specific regulations, more cannabis is being grown than ever before. The supply of CBD-containing products has already reached an all-time high and will continue to grow in the coming years.

We at CeBioLabs are a collective of many companies, including CeBioL GmbH, which has been working in the CBD field since 2018 and knows the market, its weaknesses, and problems. That's why we at CeBioLabs will do everything we can to make the global market for CBD even better. Our complex system "CeBioLabs SCM" will make an important contribution to this(B2B). This blockchain-based supply chain management system will provide all players in the cannabis and CBD value chain with an indispensable tool to model and manage all key operations, information, and data. All relevant details will be stored within the blockchain, eliminating the need to trust other players. All information, from cultivation to the finished product, will be verifiable and validatable. Through the blockchain, the information is stored immutably and securely, creating a transparent and traceable overview of all operations and processes in the CBD value chain. We will also serve another gap in the market and offer a (decentralized) marketplace for CBD products and services where buyers and sellers can transact and trade large quantities of CBD products (B2B), regardless of the legal situation. Another problem of the global CBD market is the uncertainty about the authenticity of certificates of analysis of CBD products. We will develop a blockchain-based portal for certificates of analysis and enable CBD suppliers and CBD brands, in collaboration with laboratories, to confirm the validity of their certificates using the blockchain. This will enable end customers and intermediaries to verify the authenticity of the certificates of analysis provided by suppliers, thereby enabling them to better assess the quality of CBD products. Furthermore, we would like to use our know-how in the field of CBD trade and establish worldwide e-commerce projects in the field of existing and innovative CBD products. As the last major area, we will actively and strategically launch and fund research and development projects in the field of CBD. By doing so, we aim to develop future technologies for the cannabis and CBD sector and, thus, be a first mover in shaping the development of the markets. These research and development projects are designed for the long term and will be carried out over the next few years.

As a link between all projects of CeBioLabs, our token "CBSL", issued especially for the project, will play a leading role. The token will bear the name CeBioLabs and use the ticker "CBSL". The acronym CBSL is derived from our company name: "**CEBIOL BLOCKCHAIN SOLUTIONS**". Investor benefits will increase with each project, and buyback mechanisms will provide potential price stability. All the above areas and projects are expected to generate operating revenues, which we will deploy for the benefit of the CBSL token and use for product development or buybacks.



In addition, we will use 10% of the annual profits of our company CeBioLabs GmbH, founded in 2018, for buybacks. The buybacks will be executed at market prices on various exchanges and are intended to form a solid basis for the token in the long term.

CeBioLabs serves the market gap in the CBD value chain with its technical solutions and is thus considered the first project of its kind. Therefore, we attach great importance to our location in Germany. As a company registered in Germany, we live up to the quality seal "Made-in-Germany" and plan to make the international market for cannabis and CBD better and more transparent.



2. The History of Cannabis and CBD

Hemp is one of the oldest crops in the world and originated in Central Asia. People have been using hemp as food and in medicine for several thousand years. Hemp gained increasing importance as a useful plant, especially in the textile and paper industry. Paper was already being made from hemp about 2,000 years ago, and in the 17th century, hemp experienced a real boom in shipping because hemp fibers were used for ropes and sailcloth.

Queen Victoria is said to have taken hemp to relieve menstrual cramps. As early as 1839, the Irish chemist and physician William B. O'Shaughnessy published a study on the healing effects of hemp. Unfortunately, marijuana was banned after the turn of the century – so research was also temporarily on hold. Then, nearly a century after the O'Shaughnessy study, it was discovered that a wide variety of chemical compounds are combined in the hemp plant. In 1940, cannabino(l)(CBN) was identified by the British chemist Robert S. Cahn. Two years later, the U.S. American organic chemist Roger Adams – the discoverer of THC (tetrahydrocannabinol) – succeeded in isolating the very first cannabinoid, cannabidiol (CBD). But it was Raphael Mechoulam who first synthesized the non-intoxicating CBD and more closely deciphered THC, responsible for the intoxicating effect of marijuana, in its psychoactive mode of action. In the 1980s, Dr. Mechoulam researched the potential use of cannabidiol in epilepsy therapy. The result was that 50% of patients who received CBD daily for four months had no epileptic seizures at all, and the frequency of seizures decreased in the rest. This study was treated “stepmotherly” and eyed with suspicion by the public for decades – despite the substance's great potential to help over 50 million epilepsy patients worldwide. Despite this, scientific curiosity remained unabated.

Besides CBD and THC, which are the two best-known cannabinoids, many other cannabinoids have been discovered. While studying the structure of cannabinoids, researchers came across a previously unknown biological system in our bodies: the endocannabinoid system. Every human has an endocannabinoid system, which is part of our nervous system. This part of the nervous system regulates and supports elementary body functions such as sleep, stress, appetite and immune defense. Cannabinoids influence the body's cannabinoid system. Two prescription CBD medicines have already been approved in the EU, which will not be a rarity in the future. Today, the World Health Organization (WHO) is pushing to intensify research in the field of CBD medications. In the meantime, a number of studies have proved the complaint-relieving properties and positive effects of hemp. In countries such as Germany, cannabidiols are available on prescription as medicinal products, for example as an oily cannabidiol solution NRF. It is used, as a component of the medicinal hemp extract Nabiximols, as a spasmolytic in multiple sclerosis. It has also been approved in the EU since 2019 for the treatment of certain forms of epilepsy in children as a drug called Epidyolex. Finally, physicians hope that it may counteract psychoses.

1940

cannabidiol (CBD) was discovered by the US chemist Roger Adams who also discovered THC. To this day, Adams is considered one of the most important pioneers of cannabis research.



Gently extracted hemp oils with natural ingredients, terpenes, and cannabinoids, and in different concentrations, are particularly trendy and can have many health-promoting benefits. Meanwhile, CBD's anticonvulsant, anti-inflammatory, anti-anxiety, and nausea-reducing effects have been documented. People suffering from chronic sleep and anxiety disorders, metabolic or even skin diseases have discovered CBD for themselves. In addition, an increasing number of consumers rely on it as a natural appetite suppressant and as a relief from acne and pain. A Johns Hopkins University study shows that cannabidiol can help people with a wide variety of health problems, improve the overall quality of life, and improve sleep and mood. Experience shows that CBD can potentially exert antioxidant effects against free radicals - aggressive oxygen compounds.

According to the WHO, CBD consumption by humans does not lead to abuse or dependence. In short, CBD products are not addictive, and there is no evidence that private CBD use is detrimental to health. No plant currently has had as many uses as cannabis. Given these benefits, it is not surprising that international demand for CBD products is steadily increasing.



3. The Market for CBD

The increasing liberalization of cannabis for medical and recreational use worldwide has led to a differentiated view of the hemp plant. Due to the reduced institutional stigmatization of the medically effective cannabinoids THC and CBD, people are increasingly recognizing the effectiveness of these substances. This has been accompanied by a massive increase in demand for CBD-containing products, and especially CBD oils, in recent years. The key drivers of this increasing demand are the health benefits of CBD oils, its increasing medical use, its increasing acceptance and use due to legal relaxations, and its increasing availability in retail stores.

In this context, the growth of the CBD market spans all continents and has significantly exceeded forecasts in recent years. For instance, a research report by Industry Research Biz estimated the global CBD market at \$310 million in 2019, with a compound annual growth rate of about 32%¹. For the following year 2020, a study by the global market research firm Fortune Business Insights assessed the total market for CBD products to be worth \$2.7 billion, with a projected annual growth rate of 26%². Market research firm Global Market Insights Inc. predicted an even higher global market value of \$7.1 billion worldwide by 2020, with CBD oils alone contributing to a market volume of \$1.7 billion³.

The year 2020, marked by the COVID-19 pandemic, did not negatively affect the growth of the CBD market. A global survey of 15,000 respondents conducted by the statistics platform Statista found that 29% of people over 18 bought and consumed more CBD-containing products in the wake of the corona pandemic⁴. According to the experts of the research institute TechNavio, the Corona crisis also did not stop the growth of the industry, which confirms the overall positive impact⁵.

Major growth in the market for CBD was also evident in 2021. The market research institute Fact MR confirmed this trend and estimated the market for cannabidiol products at around \$3 billion⁶. According to the forecasts of Grand View Research, the market for CBD could even be estimated at more than \$3.5 billion⁷. TechNavio's market report arrived at a far more positive assessment. The researchers forecasted global growth of \$3.05 billion for the CBD oils market alone⁸.

An even stronger positive development can be observed in the overall cannabis market. According to an estimate by the market research firm Fortune Business Insights, the global market volume of cannabis was around \$20.5 billion in 2020. Despite the COVID19 pandemic, the overall cannabis market was able to grow by about 40% and was estimated to be worth more than \$28 billion in 2021⁹.

US \$7.1 bn.

was the global market volume for CBD in 2020, according to some market researchers.

¹ <https://www.industryresearch.biz/global-cannabidiol-cbd-market-14386001>

² <https://www.fortunebusinessinsights.com/cannabidiol-cbd-market-103215>

³ <https://www.gminsights.com/industry-analysis/cannabidiol-cbd-market>

⁴ <https://www.statista.com/statistics/1238020/covid-19-impact-on-cbd-use-worldwide/>

⁵ <https://www.technavio.com/report/cbd-oil-market-industry-analysis>

⁶ <https://www.factmr.com/report/4176/cbd-market>

⁷ <https://www.grandviewresearch.com/industry-analysis/cannabidiol-cbd-market>

⁸ <https://newsroom.technavio.com/news/cbd-oil-market>

⁹ <https://www.fortunebusinessinsights.com/industry-reports/cannabis-marijuana-market-100219>



4. The Future of the CBD Market

The rapid growth of the markets for cannabis and CBD products will continue in the coming years. The Market research firm Vantage Market Research forecasts the global cannabis market volume to exceed \$129 billion by 2028¹⁰, with an annual growth rate of 26%. The market analysts at Fortune Business Insights, on the other hand, see the global cannabis market even exceeding \$197 billion in 2028¹¹. With the increasing legalization of THC-containing cannabis around the world, growth rates could even be significantly higher.

The positive trend in the CBD market will also continue in the coming years. According to a forecast by BDSA-Analytics, the total market volume of CBD products will exceed USD 20.5 billion in 2025¹². The market research institute TechNavio expects a much higher global market volume for CBD in 2025 of over 29.91 billion US dollars¹³. The research "EU CBD Consumer Report Series: Market Size & Demand" by the analysis company New Frontier Data¹⁴ also estimates that the European market for CBD products alone could reach a market volume of over 15.4 billion US dollars in 2025. Global Market Insights forecasts the total CBD market to be just as high in 2026¹⁵, with \$16 billion attributable to the U.S. market alone, according to the data portal Statista¹⁶.

In conclusion, further trend research by the market research firm Global Market Insights Inc. indicates that the global cannabidiol market could reach a total volume of \$108.8 billion by 2027. According to analysts, around \$28.7 billion of this could be attributed to the European market alone¹⁷. Overall, the growth of the global market for CBD products will continue to pick up speed in the coming years, and double-digit to triple-digit growth rates can be expected. Our company CeBioLabs GmbH has been active in the European market for CBD oils since 2018 and has also been able to observe and benefit from this increase.

¹⁰ <https://www.vantagemarketresearch.com/toc/cannabis-market-1098>

¹¹ <https://www.fortunebusinessinsights.com/industry-reports/cannabis-marijuana-market-100219>

¹² <https://blog.bdsa.com/bdsa-forecasts-strong-growth-in-cbd>

¹³ <https://www.technavio.com/report/cbd-oil-market-industry-analysis>

¹⁴ <https://newfrontierdata.com/product/eu-cbd-consumer-report-series-market-size-and-demand/>

¹⁵ <https://www.gminsights.com/industry-analysis/cannabidiol-cbd-market>

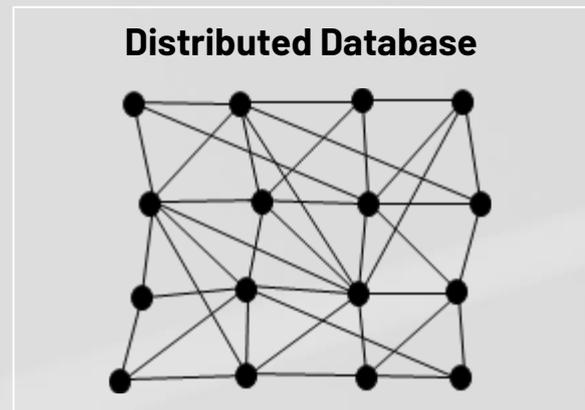
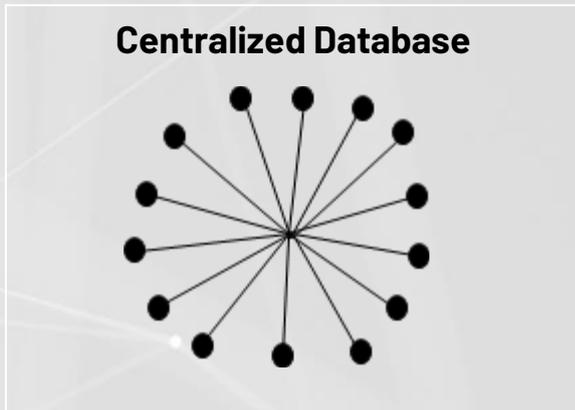
¹⁶ <https://www.statista.com/statistics/1067467/cbd-product-dollar-sales-us/>

¹⁷ <https://www.gminsights.com/industry-analysis/cannabidiol-cbd-market>



5. Blockchain Technology

The increasing digitization of the world is driven by future technologies that are located in a wide variety of areas and industries. One of the most important driving developments is the blockchain technology. It is often used as a synonym for bitcoin or other cryptocurrencies, which, however, only represent individual but very popular fields of its application and do not sufficiently reflect the full potential of this technology. This technology is often described as “disruptive” because its innovative potential offers entire industries the opportunity to redefine themselves.



Simplified representation of the blockchain data structure implemented in the CeBioLabs SCM system.

It is a technical framework that allows data in distributed infrastructures to be managed by consensus in a traceable and tamper-proof manner without a central instance. This makes it possible to verify any type of transaction in a trustworthy and transparent manner. The individual data records are combined into blocks, linked within the network, and strung together to form a growing blockchain, from which the name "blockchain" is derived. Within the network, all data nodes agree by consensus on a uniform and verifiable state of the blockchain. Cryptographic mechanisms ensure that data included in the blockchain cannot be changed or falsified and represent a tamper-proof unit. This makes the blockchain a technology that can be used in countless economic sectors and bring great benefits. The blockchain offers the greatest practical advantages through the immutability of data once stored and through traceable and transparent insight into all transactions. In addition, the consensually updated information chains are distributed and stored in a correspondingly decentralized manner, eliminating the need for central actors or intermediaries. This means that trust problems, which are guaranteed in many economic sectors by central and recognized actors, can be eliminated.



6. Our Industry Expertise in the CBD Market

Our CBSL token is supported by our established German company CeBiol GmbH from Hamburg. CeBiol GmbH has been active in the field of CBD since 2018 and sells, among other things, high-quality CBD oils. With years of expertise in the field of cannabidiol products, we have been able to shape the beginnings of the market in German-speaking countries and have positioned ourselves as a reputable supplier. We are one of the first German companies that entered the market with CBD



CeBiol.

products. Through transparency and the high quality of our products, we continue to be active in the market with a large market share. One of our recipes for success is our heterogeneous distribution strategy. This

means we do not focus on just one distribution channel but strive for a wide variety of channels and a correspondingly high reach. Our distribution channels range from B2B wholesaling to supplying local CBD stores and an expanded e-commerce strategy. Due to the guaranteed high product quality and this expanded distribution strategy, we have been able to steadily increase our sales in recent years and will continue to strive for linear to exponential growth. We will fully contribute our experience and expertise to CeBioLabs and would like to significantly promote the success of the company and the CBSL token through the resulting synergistic effects.

CeBiol GmbH

CeBiol GmbH was founded in 2018 and successfully distributes CBD oils throughout Europe. All products are examined by state-certified food technicians and provided with a marketability certificate. The legal sale in Germany is based on a lawyer's certificate of marketability.



7. The Problems in the Market for CBD Products

Since 2018, we have been working with numerous reputable companies and partners from a wide range of countries to provide our customers with the best possible product quality. In doing so, many years of experience on the market have taught us that, especially when dealing with products for ingestion, a great deal of trust between business partners is necessary. Numerous players are involved in the production of CBD oils, be it in cultivation, production, or logistics. The supply chain thus encompasses all processes of production, starting from the procurement of the cannabis seed to the sale of the finished CBD product to the end customer. Through our intensively cultivated contacts and constant exchange with all the involved players in the value chain, we have been able to eliminate the lack of trust as an issue. However, our professional approach does not correspond to the usual market actions of all other market participants and suppliers, which is why we have noticed a large trust deficit in the market for CBD oils. This is the reason why we at CeBioLabs would like to address and solve this lack of trust issue.

7.1. Reasons for the Lack of Trust in the Market

CBD products, such as CBD oils, must travel a long way before they reach the end customer. The complexity of the entire value creation process must not be underestimated. Numerous actors are involved, and the corresponding traceability of processes becomes increasingly difficult with the increase in the distances covered. The origin of the processed cannabis plants, legal regulations and specifications, manufacturing locations, storage details, laboratory tests, certifications, and information on environmental protection and occupational health and safety is relevant information that is known to the respective actors but gets lost during the supply chain and is not stored centrally. Although CBD suppliers are obliged to access and retain this information, in most cases, this is not possible. Often, the information provided by the actors in the previous row of the supply chain is adopted and relied upon. Overall, there is an asymmetry of information in the market, which has its origins in the seed.

Is the Seed Used Certified?

The entire process of producing cannabis products like CBD starts in the field of agricultural cultivation and begins with the selection and sourcing of seeds. It is estimated that several thousand different types of hemp seeds exist, and their number continues to increase due to crossbreeding and special breeding. The different hemp seed varieties have an influence on the composition of the active substances that are later contained in the plant, including cannabinoids and terpenes. The maximum THC content for commercial hemp is currently 0.2% in Europe. In the United States, it is 0.3%. On November 24, 2021, the Council of the European Union adopted the Parliament's proposal to raise the maximum THC content for commercial hemp from 0.2% to 0.3%. This will increase the number of hemp varieties allowed in the EU catalog as of January 1, 2023. The 0.3% level applies only to farmers who want to receive direct payments. In Europe, it will continue to be permissible to grow hemp at more than 0.3% if this complies with the applicable national regulations. The first relevant actor is, therefore, the seller of the seeds who sells the seeds to the farmers and growers for the cultivation of the cannabis plants. Here, the farmer must trust that the purchased seeds comply with the country-specific regulations.



Are the Cultivation Methods of a High Quality and Organic?

Sowing by farmers begins with soil preparation and the creation of optimal conditions for the hemp plant. The quality of the soil and the use of appropriate fertilizers play an important role, and farmers must ensure that the plants receive all the necessary nutrients to grow healthily. Farmers must also ensure that the plants are not attacked by pests or fungi and are adequately watered. Thus, farming enterprises must have a biological pest control strategy, a sophisticated irrigation system and modern cultivation technologies. It is a matter of trust that farmers do not use chemical substances in pest control, which can contaminate the cannabis plant as pesticides. Nevertheless, pesticide residues are sometimes detected in hemp plants. The economic interest of the farmers sometimes leads to the use of chemical instead of expensive biological methods to increase the crop yield.

Was the Harvest on Time and Were the Plants Properly Dried?

After the hemp plants have grown, growers must accurately identify the time of harvest. This involves following the development and growth phases of the plants and estimating when they are ready for harvesting. Once the right time has been chosen, the hemp plants can be harvested. The next step is to dry them. This step is necessary because the fresh buds of the plants contain a lot of water. If the drying process is done incorrectly, dangerous molds can form and thus ruin the harvest. For a high-quality hemp product, farmers should choose a natural drying method. This involves hanging the harvested bud's upside down to ensure slow and natural drying. Farmers must also ensure a constant temperature and proper humidity. In this process, the economic interests of farmers may also lead to the use of artificial devices to dry the plants to speed up this process or to save costs on large drying areas and sheds. Furthermore, plants that have become moldy in the drying process are sometimes cleaned and used for further processing. This should not happen, so constant controls are necessary in all production processes.

Were the Plants Processed Gently?

After harvesting and drying, the hemp plants are delivered to the next actor in the production chain for further processing. Since further processing is rarely done by the farmers themselves, the processing, and the substance separation process (extraction) are carried out by special companies (including contract extractors). These companies must ensure that the plants harvested by the farmers reach them in the form and purity specified. They also need the data concerning the time of cultivation and harvesting, possible inspections by external bodies, and information about the drying processes. This information is rarely documented and made available for retrieval. When plants are processed, they are first crushed, ground, and the resulting biomass is mechanically processed to obtain the highly concentrated crude extract. Prior to further processing steps, this biomass should be analyzed in detail to ensure that the THC content complies with country-specific rules and that the quality is suitable for further processing. The proportion of CBD and other cannabinoids also plays an important role. This ensures that the biomass is of high quality. Various extraction processes (e.g., CO₂ extraction) can be used, which must also be documented and carried out with the utmost care. As the extraction process has a significant influence on the quality of the extract, this should only be carried out by a certified (e.g., through GMP certification) company specializing in extraction. At this stage, all steps must be documented, and certified equipment must be used to ensure the purity of the products. The crude extract obtained by extraction is then transported to specialized laboratories or companies for further processing, ideally to separate CBD from other natural compounds such as THC.



From Hemp Extract to CBD Oil

The extract obtained can now be further processed. Depending on the desired quality of the CBD oils, the winterization process can be used to separate plant waxes and other substances from the crude extract. Additional refining processes can be used to separate other undesirable substances from the extract to obtain the distillate in its purest form. This distillate is then blended with, for example, hemp seed oil or coconut oil, depending on requirements and taste preferences, to obtain the finished CBD oil. All the processing steps described can differ depending on the country, quality segment and producer and should therefore be documented in detail, especially in the case of production for foreign markets. However, such information is usually only provided upon request and often incompletely, which is why more transparency is also needed in this phase of CBD oil production. After another documented quality inspection, the finished CBD oil can be bottled.

Are the Oils Bottled in a Sterile and Proper Manner?

If the CBD oils are not bottled directly at the place of extraction and refinement, professional companies (including contract bottlers) are used for bottling. These certified or audited companies must ensure that the CBD oils are filled into the vials in a sterile environment. It must be ensured that the oils are not contaminated and that the bottles are sterile. Depending on the variety and product, pipette dropper bottles are used for this purpose, which must also comply with standards and specifications depending on the country and, in the best case, are provided with manufacturing numbers for identification. The bottler must also ensure that the bottled oils comply with the country-specific specifications regarding THC content. This is usually done by checking the information and certificates of analysis from the previous production processes (if documented) or by a specially commissioned test of quality and purity. Here, the bottlers must often trust that the information and certificates of analysis transmitted are unchanged and correspond to the truth. After fully automated or manual filling, the bottles can be packed directly on-site in appropriate packaging or folding boxes to finish the product.

Do CBD Wholesalers Have All the Relevant Information?

The wholesalers usually have large quantities of CBD oils and work with different brands. Depending on the quantity purchased, the brands and labels of each buyer are printed on the packaging and shipped to the buyers. Since the wholesalers often deal with numerous product groups such as oils, flowers, fruit gums or capsules, there is rarely proper documentation about the production processes of all products. In addition, the numerous transport routes from actor to actor are rarely fully documented, which is why large gaps can also prevail in the logistics documentation. Wholesalers transfer the duty of care to the brands and rely on the correctness of the information provided by the actors involved in the value chain. Once the CBD products have been prepared and ready for shipment by the wholesaler, they are shipped to the buyers and CBD brands.

Are Retailers in Possession of All the Necessary Information?

Once CBD brands obtain their products from the wholesaler, the end-user business or shipment to local retailers begins. Distribution channels may differ depending on the product and country-specific regulations, but sales of CBD products often take place through online channels. Sellers have an obligation to guarantee the quality of the products to end customers. However, this can only be done if the brands have all the information on the individual production steps. The question here is how extensive the documentation was and what information the major brands have.



7.2. Information Asymmetry in the Value Creation Process

The listed production process of CBD oils is complex and involves numerous actors. Overall, a great many factors, thus, influence the final quality of the product. Reputable suppliers of CBD products, such as CeBioLabs GmbH, must have a documented, traceable, and retrievable overview of all the steps in the value chain to be able to guarantee the quality of the products. This includes the quality of the seeds, the cultivation of the cannabis plants, pest control and irrigation, harvesting and drying, the extraction of the crude extracts, filtering, processing, the bottling of the finished CBD oils, and all the intermediate steps. In addition, all transport stages of the intermediate and final products must be recorded and stored in a way that can be viewed by all stakeholders.

The methods, systems and data currently used on the market are often not digitized and are incomplete and isolated, which is why traceability, accessibility and tamper resistance cannot be fully guaranteed.

In such a large market, this is becoming increasingly difficult due to the increase in players. A centralized solution is required to ensure the quality of the final products. This is the task our company faces, and it aims to improve the CBD market through more transparency, control mechanisms and the application of technical tools.

We at CeBioLabs will ensure transparency and traceability along the entire complex CBD value chain with our comprehensive management solutions. To this end, all market players involved from the cultivation to the sale of CBD products will be offered a comprehensive platform on which all relevant information on production, processing, and distribution steps as well as quality controls and laboratory analyses will be permanently and immutably documented and retrievable. The blockchain technology ensures that all information is stored in a decentralized and unchangeable manner to ensure the quality of the end products through correct and traceable information.



8. Our Business Model

At CeBioLabs, we have developed a comprehensive business model and will implement it in a targeted manner and with full commitment over the next few years. The entire CeBioLabs business ecosystem will include the CBSL token at all levels and incorporate it to varying degrees. In doing so, we have divided our concept into three pillars.

The Three Pillar Vision of CeBioLabs:

1

BLOCKCHAIN-BASED SUPPLY-CHAIN-MANAGEMENT-SYSTEM FOR CBD PRODUCTS

The supply chain management tool "CeBioLabs SCM", which is tailored to CBD products, is a core tool in our company. This management tool makes the value chain of CBD products transparent and traceable for all players by using blockchain technology. In the future, the system will be extended to the value chain for cannabis products.

2

DECENTRALIZED MARKETPLACE AND PORTAL FOR ANALYSIS CERTIFICATES & E-COMMERCE

A partially decentralized global marketplace for CBD raw materials and products will provide a trading platform for producers, processors, and bulk buyers. In addition, our blockchain-based portal for certificates of analysis will digitize laboratory analyses and make them verifiable. The second pillar is rounded off by numerous e-commerce projects.

3

RESEARCH AND DEVELOPMENT PROJECTS IN THE FIELD OF CBD AND CANNABIS

In the coming years, we will actively promote the technological development of novel and modern products and systems. Depending on financial resources, these developments will be carried out internally or in cooperation with educational and research institutions, and the new products and systems will be used strategically by us.



8.1. Developing a Blockchain-Based Supply Chain Management Solution for CBD Products

As has been described in detail, the supply chain of CBD products involves a multitude of actors. The entire production and supply chain starts with the selection of the right seeds and ends with the sale of the CBD product to the end customer. Our blockchain-based supply chain system (CeBioLabs SCM) will help all players along the CBD value chain to provide the necessary trust and transparency through immutable and up-to-date data. Overall, this will significantly increase the efficiency of the entire value chain and make it more scalable. Our supply chain management system will initially address the CBD market and, in the future, will expand functionality to THC-containing and THC-free cannabis products, where country-specific legislation allows.

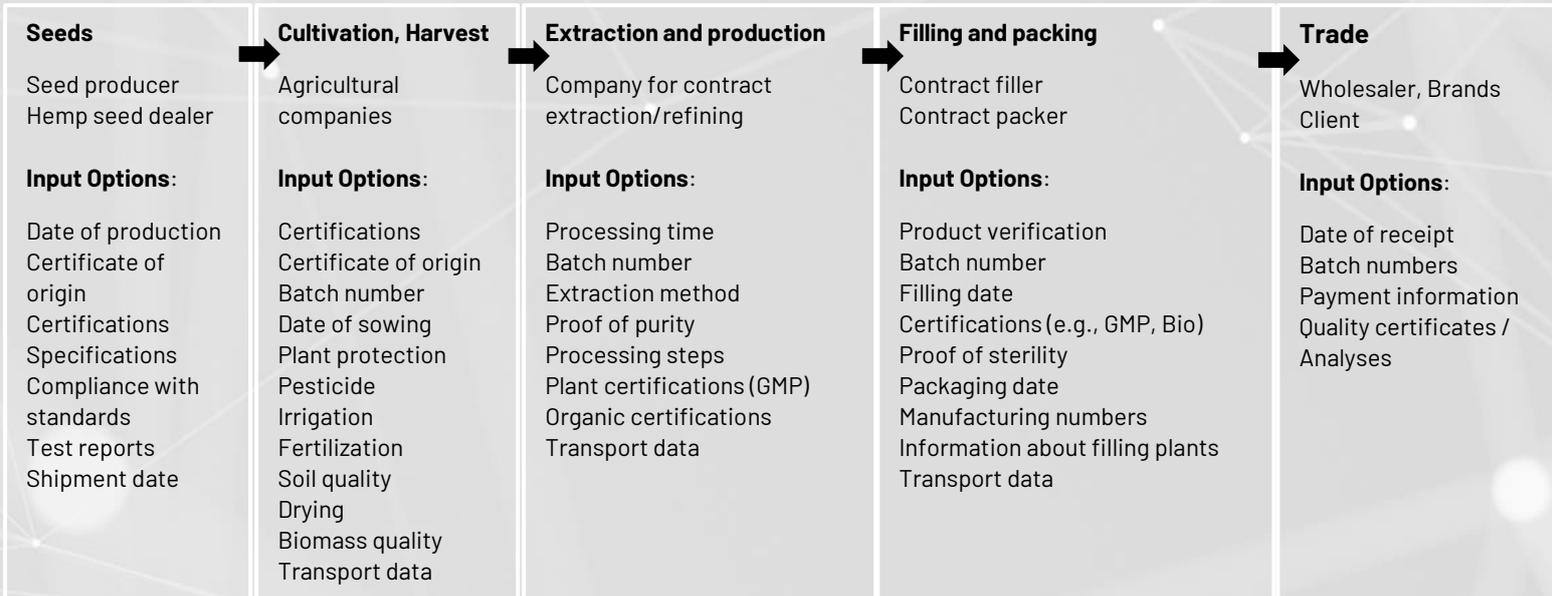
To implement our CeBioLabs SCM system, we will develop a highly complex and comprehensive end-to-end solution for all stakeholders in the CBD value chain. The focus will be on providing a cloud-based supply chain management system that will be made available to users as a SaaS model. The advantage of SaaS deployment is that it offers a uniform platform for operating the complete solution, regardless of the IT equipment of the companies involved. Another advantage of cloud provision is its associated compatibility with all common computer systems and end devices (smartphones and tablets). The availability of the system as a mobile application (app for Android and iOS) will also be implemented during development and as required. Thus, all users will be able to conveniently open and use the solution via their currently used end devices. Our application suite will, thus, address all groups within CBD production and enable them to exchange essential information and data.

The following user groups have been initially defined in our solution package:

1. Seed producers or suppliers of cannabis seeds.
2. Farmers and farms that grow cannabis plants.
3. Laboratories that perform certifications of biomass and CBD end products.
4. Contract extraction and processing companies.
5. Transportation companies that move large quantities of the intermediate or final products.
6. Contract bottling and contract packaging companies that bottle and package oils.
7. Wholesalers or principals of CBD products and CBD brands.

In addition to these predefined user groups, it is also possible to design them flexibly to map the country- or manufacturing process-specific supply chains in the complete solution in the best possible way. In this context, the access authorizations to the respective stored information and details will differ according to the data that is required. As we have been actively involved in this economic sector since 2018, we know the players involved, the requirements and demands of the market, and design the functionalities of the solution accordingly in a precise and target group-specific manner. The input options give all stakeholders the opportunity to clearly retrieve the status of the value chain with valid and verified data. This enables companies to identify potential delays or disruptions in the production process and respond to them by making immediate changes to plans.





Quality Testing/Laboratory Analyses

Prepared by external laboratories and testing facilities

Input Options: Input in the form of laboratory reports in PDF format.

Input and input by clients of the laboratory analyses or directly from the laboratories

Transportation

Transport companies, forwarding agencies or shipping service providers

Input Options: Shipment certificate, proof of delivery, tracking links

Input and input by sender of the respective products

Illustration: Actors and possible input options in the CeBioLabs SCM solution

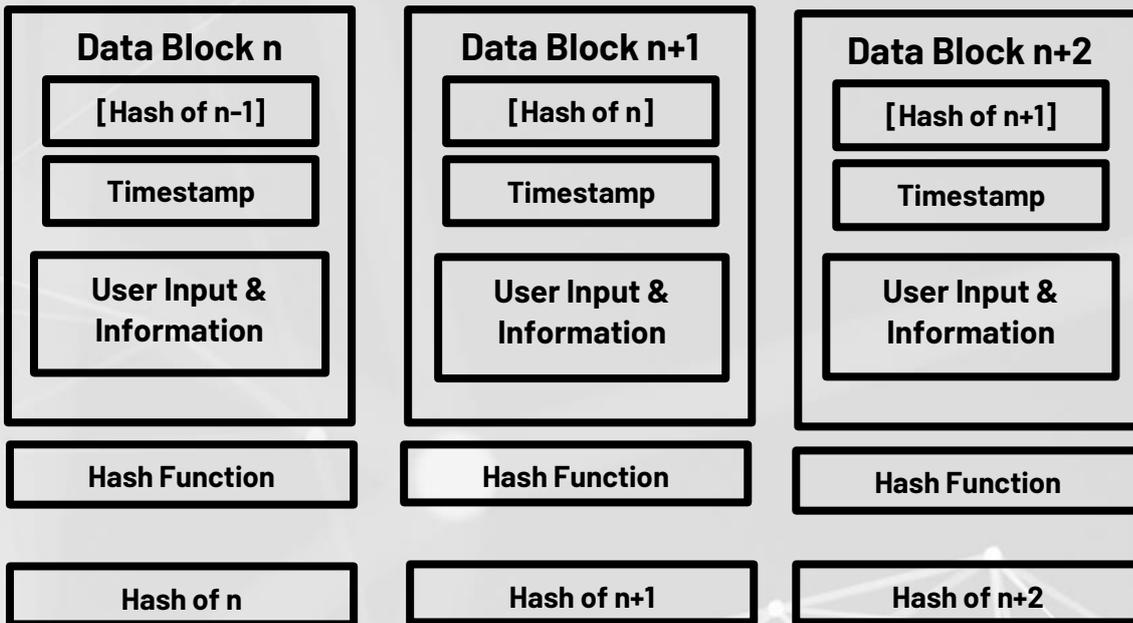
Our application suite CeBioLabs SCM will provide the respective user groups with a comprehensive user interface in the form of a dashboard. The provided input options, information and data are thereby aligned to the corresponding user groups (preset or individually defined). User group-specific access to certain information is strictly defined, which means that there are no restrictions on transparency and information content for stakeholders. Administrative access to the value chain is freely definable and includes by default the principal or CBD brands and manufacturers, who need all the information to verify and communicate the quality of their products, especially in the end-user business.

In addition to the functionalities already presented, the CeBioLabs SCM suite will offer users the possibility to provide information on payment transactions. The conditions, payment terms and payment modalities agreed upon between the actors can also be specified as additional information within the software suite. Thus, the contract partners can call up all relevant information in their user overview and check when payments are due or have been received. A direct payment function via the CeBioLabs SCM system itself will not initially be part of the functional scope.



8.1.1. Implementation of Blockchain Technology

The CeBioLabs SCM complete solution has integrated blockchain technology as a key component. Through this database technology, selected entries and information made within the management solution, as well as data and documents, are stored in a digital register. User input is communicated with all nodes within the blockchain, combined with other database entries into blocks, and timestamped. The created data blocks are encoded by a cryptographic process into hash values (checksums), which result from a hash function.



Simplified representation of the blockchain data structure implemented in the CeBioLabs SCM system

The hash function is a mathematical algorithm that converts a string of arbitrary length (variables + user data inputs) into a string of fixed length, resulting in the hash value. If the data inputs are changed, the hash value also changes. Since newly created hash values always contain hash values of the preceding data blocks due to the chain-like combination of the information, manipulations of information and data become immediately visible. Thus, all data blocks are linked to each other by means of the hash values (generated from variables and the user inputs). This creates the immutable and tamper-proof structure characteristic of the blockchain. This cryptographic proof is a guarantee of the correctness of the data, eliminating the need for a central authority or trust. Even we, as developers of CeBioLabs SCM, have no ability to change or delete the inputs and information recorded in the blockchain. This mechanism creates a high level of transparency, security, and confirmation of the immutability of the information for all stakeholders. Within the blockchain, this information is stored in encrypted form and is secured against failure and forgery.

Users can retrieve the status overviews and data at any time, as reconciliation takes place in real-time and allows the traceability of the information at any time.



8.1.2. Timestamps and Proof of Origin from the Blockchain

We provide additional security for all stakeholders by implementing timestamps and proofs of origin for CBD products. Particularly in the case of time-critical processes or information containing details of points in time or time periods, trustworthy and accurate data must be available. We ensure this through the blockchain-supported use of timestamps. These timestamps are used for selected inputs or data uploads, especially for certificates of analysis, to secure them against subsequent changes. Timestamped events and inputs can be validated and are stored immutably in the blockchain, providing a high level of trust between actors.

In addition, we will incorporate a “proof of origin” functionality into the CeBioLabs SCM application solution. This will enable the respective actors to specify the exact origin (country, region, time zone) of the processed intermediates and store it immutably in the blockchain. This information can be validated by the actors and verified using the blockchain, which will make it possible to transparently retrieve the exact origin of all components of the products. This tamper-proof verification of authenticity not only contributes to better traceability of the products but also creates trust regarding the product origin and prevents product counterfeiting.

8.1.3. CeBioLabs SCM - The First Specific Management Solution of its Kind

The CeBioLabs SCM system will be primarily available in English for companies around the world. Through our targeted expansion strategy, we aim to offer our solution to CBD markets on all continents and continuously expand the functionalities. An additional planned expansion is the ability to manage cannabis value chains. This, however, still requires long release times due to the difficult legal situation worldwide and will only be offered in the future.

In addition, the CeBioLabs SCM application suite will provide numerous application programming interfaces (APIs) to help connectivity with other systems and make the entire value chain and the exchange of information within it more efficient. Another planned feature is the ability to generate QR codes for specific processes in the value chain. The QR codes generated in the user area can be specifically assigned to processes and exported. Scanning them makes it easy to record information like processing times or shipping details. After the launch of CeBioLabs SCM, an additional module will be introduced for the implementation of IoT devices, which can be used to monitor the growth phase of cannabis plants and record important data such as temperature and humidity. This data will be made available for retrieval to the respective stakeholders in the dashboard. Additional graphical displays and the ability to implement and track radio-frequency identification (RFID) chips will also be part of CeBioLabs SCM. For end users and CBD customers, the management tool will also provide a function to verify and confirm the claims of specific CBD oils. No registration will be required to review and confirm the data. However, these public disclosures can only be accessed if CBD suppliers and brands enable and release this specific data in their administrative configuration. Information relevant to end users includes origin, processing location and processing quality, as well as certificates of analysis and proof of quality.

Due to the immense growth of the CBD market and our global reach, we expect a steadily growing user base. Quantification of the planned users or sales figures of CeBioLabs SCM is currently not possible and will only be announced after the release.



Implementation of the CBSL Token:

Our CBSL token will serve as a direct access and usage requirement of the platform in the first phase after the launch of CeBioLabs SCM. When acquiring new customers for the CeBioLabs SCM system, we rely on an aggressive expansion strategy and charge usage fees dynamically and individually, depending on the size of the company. **In doing so, companies wishing to use our CeBioLabs SCM application suite must pay the usage fees in the form of CBSL tokens.** This means that companies will have to purchase CBSL tokens directly through us or on the open market to use the management solution. We will openly communicate the fees incurred and have them calculated dynamically depending on the daily CBSL rate. **CeBioLabs will collect all user fees and lock them using time-locked wallets for at least three years.**

8.2. Marketplace for CBD Products, Decentralized Portal for Certificates of Authenticity and E-Commerce Projects

In addition to the planned development of the complete supply chain management solution for CBD value chains, we at CeBioLabs will initiate other projects that we would like to implement in the short, medium, and long term. This will enable us to achieve a steady development of our entrepreneurial activities over the next few years and to position ourselves broadly in the global market for cannabis and CBD products. This will also enable us to greatly expand our entrepreneurial ecosystem, develop more use cases for our CBSL token, and generate increasing revenues in the long term.

8.2.1. CBSL Marketplace - Marketplace for CBD Products and Services

In recent years, we have increasingly noticed that the global CBD market is largely unregulated and includes very many market participants. In this multi-billion-dollar market, not only farms and producers are involved, but also very many companies that want to profit from the CBD boom. Overall, trading the raw materials and CBD products domestically and across national borders is proving difficult, as major platforms and trading exchanges prohibit any kind of CBD products. The market for CBD products is systematically excluded from market activity, which means that the immense potential cannot be fully exploited.

But what would happen if a partially decentralized trading venue for CBD commodities and CBD products were created? Based on our internal forecasts, we believe that an independent marketplace without a central regulating body and detached from the big players represents a gap in the CBD market, which is why we would like to develop such a marketplace as part of our corporate ecosystem: the CBSL Marketplace. This partially decentralized marketplace will allow CBD market players such as agricultural companies, contract fillers, contract extractors and CBD sellers and suppliers to offer and trade raw materials, products or services related to CBD. By being independent of the big players, there is no risk of vendors being blocked or products being regulated. The CBSL Marketplace will give all players the opportunity to offer their products and services worldwide and to do business directly with suppliers or buyers. Especially for purely digital assets like non-fungible tokens (NFTs), digital lab analysis or digitized rights, the decentralized character can advantageously secure transactions.



The CBSL Marketplace will provide access to all market players. The primary focus will be on B2B trading and will be expanded step by step after the launch to include B2C functions and end customer targeting. There will be no country-specific restrictions, and the marketplace will address users all over the world. Users will be provided with extensive functionalities that contribute to the improved usability of the marketplace. Registered users will be able to present their products and services extensively, set prices, define payment terms and modalities, and give interested parties the opportunity to purchase the offers directly via the marketplace portal. In the process, a complex evaluation mechanism will determine a trust score depending on user activity to match trustworthy providers and prospects. The CBSL Marketplace will have numerous payment methods integrated after the launch. Plans are underway to introduce the CBSL token as a payment method within the marketplace, but this is subject to regulatory requirements and approvals. The decentralized nature of the marketplace will be used for digital assets. Here, digital assets will be released immediately after payment has been received via smart contracts, which means that no central authority or trust issues can disrupt the transaction. This function cannot be used for tangible products and services. To this end, the marketplace will include a transparent and certified escrow function to make such transactions secure for both parties. Know your client (KYC) verification mechanisms and valuation algorithms will further secure the transactions.

The CBSL Marketplace will offer versatile applications. This allows agricultural companies and farmers to find new customers for their biomass in the event of overproduction. The offers are not subject to any restrictions in terms of maximum volumes and prices. Tons or even kilograms of products can be offered. Companies for contract extraction, contract filling or contract packaging can also offer their services. The marketplace will technically support many details, files (certificates etc.), pictures and videos to ensure a precise product description. For wholesalers of CBD products, the CBSL Marketplace will also offer many opportunities to offer and sell their products in large quantities.

Implementation of the CBSL Token:

The CBSL token will also be used in our CBSL Marketplace. A customer-friendly fee structure will ensure high quality. Thereby, every seller or provider, no matter if farmers, wholesalers, or contractors, **will have to pay a one-time fee, which must be paid in CBSL tokens.** For buyers, the use of the marketplace is free of charge. In addition, a transaction fee will be charged from each sale, which will vary and be dynamically scaled depending on the transaction volume and activity of the sellers. **These fees can also only be paid in CBSL tokens.** We will openly communicate the fees incurred and have them dynamically calculated depending on the daily CBSL rate. **CeBioLabs will collect all user fees and lock them using time-locked wallets for at least three years.**



8.2.2. Blockchain-Based Platform for Certificates of Authenticity (CoA)

Due to the rapid growth of the global CBD market, it is becoming increasingly difficult for end users of CBD to find high-quality CBD oils or to assess the quality and purity of drops. In this context, the information provided by the suppliers is only a limited quality indicator, as it cannot be verified (unless our CeBioLabs SCM is used). Laboratory analyses and CoAs of the oils are generally valid and verifiable quality indicators. These documents are created based on extensive analyses by laboratories and transmitted to the CBD suppliers. However, it cannot be ruled out that the analysis documents provided to customers are unchanged, and the information is still up to date. Occasionally, black sheep on the market use falsified or outdated analyses to deceive their customers and gain unfair competitive advantages. However, these laboratory analyses and CoAs are decisive for the pricing policy and for the communication and advertising measures of reputable CBD suppliers. Doubts about authenticity, correctness, and timeliness on the part of end customers thus have a negative impact on the entire market.

To solve this problem, we will develop a blockchain-based platform for CoAs of CBD products. In doing so, we will act as an independent platform to store the results of laboratory analyses in the form of first-hand CoAs directly on the blockchain. Our international focus will enable CBD suppliers from all around the world to submit the analyses of their CBD products to us via the laboratories. We will assign a digital identity to these CoAs and thus mark them. This identity and all data of the original document will be stored in the blockchain and within nodes (analogous to the CeBioLabs SCM solution). As a result, all CoAs submitted to us will be stored immutably and will be traceable at any time. We will place great emphasis on obtaining first-hand laboratory results directly from the laboratories and digitizing them. CoAs stored within the blockchain will thus be visible and traceable to all in a secure, immutable, and transparent transaction.

CBD providers will be able to prove the validity of their CoAs to their customers by referencing a customized detail page on our platform. This page will include all relevant information such as blockchain transactions, timestamps, and proof of authenticity. In addition, it will be possible for customers to check certificates via our portal and determine whether they are registered and valid with us. This will allow customers to easily and quickly check whether a CoA is genuine, valid, and up to date. In addition, we will allow CBD suppliers to create QR codes for their submitted certificates, which they can place on their website and on the folding boxes of the products. All major mobile devices will be able to scan these QR codes and retrieve the certificates with the relevant information.

Although CoAs may differ by country, our platform will support all common laboratory quality certificates. One particularly relevant piece of content information is the content of tetrahydrocannabinol (THC). The limits for THC differ depending on the country and are subject to the respective legal regulations. Therefore, it is of great importance that CBD products comply with these specifications and that the contents are verifiable by certificates of analysis. Otherwise, there is a risk that the products will be classified as intoxicating and fall under the respective applicable jurisdiction on narcotics. However, CBD products contain numerous other cannabinoids in addition to CBD and THC, the proportions of which can be determined by these analyses. In addition to CBD, CBDa, CBC, CBCA, CBG, CBGA and CBN are among the important and relevant cannabinoids. Particularly for end customers, relevant analysis results are those referring to possible pesticide residues, impurities, and possible mold toxins (mycotoxins). If CBD products are contaminated by such substances, they should not be sold under any circumstances. This can only be ensured if valid and genuine analytical analysis results prove the purity and quality of the products. For this reason, we see an acute need for transparency and safety in this area, which is why our project will create immense added value for the CBD market.



Implementation of the CBSL Token:

We will also drive the integration of our CBSL token in our blockchain-based portal for certificates of analysis. In doing so, the use of our portal will be fee-based for CBD providers. The fee structure will vary according to use and company size and will be based on the needs of the market. Here we will offer different models ranging from one-time use to a subscription model. **Participating companies will be able to pay the fees exclusively in CBSL tokens.** We will openly communicate the fees incurred and have them calculated dynamically depending on the daily CBSL rate. **CeBioLabs will collect all user fees and lock them using time-locked wallets for at least three years.**

8.2.3. Expansion of Sales of CBD Products on the World Market

As we have already been active in the European market for CBD products with our company CeBioLabs GmbH (part of CeBioLabs) since 2018, we will also contribute our know-how to CeBioLabs. In doing so, we plan to create numerous internationally oriented e-commerce projects for different CBD products to generate sales. We will invest these sales and profits to a large extent in the development of further CeBioLabs projects and ensure the success of our company through this strategic orientation.

The e-commerce projects will be web stores for CBD products, which may differ depending on the geographic focus. In terms of products, we can draw on the diversity of our partners and offer numerous existing and innovative products. Since we have been working with numerous farms since 2018, we can ensure cost efficiency and significantly increase our margins. The products will not only be CBD oils but also hemp capsules, CBD fruit gums, CBD cosmetics, CBD gels, CBD vape pens and CBD flowers. Through our years of experience, we hope to penetrate many existing and emerging CBD markets to secure market share in the long run.

Implementation of the CBSL Token:

In our planned international e-commerce strategy, we will be able to use the CBSL token in a variety of ways. In doing so, holders of CBSL tokens will be able to benefit from many advantages such as discounts, promotions, and product samples. These will vary depending on the number of CBSL tokens held and will be a great benefit to the CBSL community. In addition, CBSL token holders will have the opportunity to **exchange their CBSL tokens for products in selected e-commerce projects.** The respective prices in CBSL will be dynamically calculated according to the daily CBSL rate and displayed accordingly.



8.3. Research and Development Projects in the Field of CBD

The cannabis and CBD market is already very large, but the future potential will be many times greater. The rapid development of the fast-growing market depends not only on the ever-increasing demand but also on the development of new markets through new developments and technologies. In the future, players will invest in these new technologies and innovative processes that will change the industry. Therefore, we will be intensively engaged in research and development in numerous areas. Our internal development teams will be active in selected research areas, focusing on our core segments. However, we will drive the largest research activities through collaboration with international partners and research institutions. The respective focus areas of our partners give us the opportunity to gain insight into all relevant research segments and, if necessary, to strengthen the collaboration through funding to benefit from corresponding research results. This enables us to ensure we maintain an overview of all relevant segments with innovation potential and make capital expenditures as needed. Overall, our internal and our partners' external research activities will cover the following areas:

8.3.1. Technology-Controlled Cultivation of Cannabis Plants

Novel technologies can be developed and applied in many areas of the cannabis and CBD market. One broad area is the cultivation of cannabis plants, which can be optimized and made more efficient through the development of new technologies. Therefore, we will develop and drive research and development approaches in this area. A key driver for this is the fact that production must keep up with the constantly growing demand, and the market expects and demands constant and high quality. This is where newly developed biotechnologies can be used to provide ideal conditions for plant growth in a controlled environment. These new biotechnologies can be used both outdoors and indoors, depending on demand.

Cloud-Controlled Efficient LED Lighting

One of the major challenges in indoor cannabis cultivation is the large amount of light that the plants require: Large indoor operations rely on intense lighting to replace the light otherwise provided by the sun in tropical climates. Commercial lighting systems consume a lot of energy and are expensive to maintain. Care must also be taken not to burn the plants, as conventional lighting systems generate intense heat. The solution for efficient lighting is LED technology. LED lamps can produce a wide spectrum of light that contains almost all the important components provided by sunlight. The light beams are directed more precisely to the plants and by not heating up too much, a lot of energy is saved. Many growing facilities have already converted to LED systems. Cloud-based IoT technology enables automated and remote regulation of indoor grow lighting. This precise control ensures constant lighting, which in turn leads to high and consistent crop quality. As part of our research activities, we will also be active in this area and will examine the extent to which this LED lighting technology can be made more efficient and cost-effective.

Air Filtration Systems

In the field of cannabis cultivation, the topic of filter systems is also an expandable and interesting field. We at CeBioLabs would like to drive the development of special air filtration systems with multi-stage filter systems. We could strategically use the massive potential of this market for



ourselves by developing a suitable air filter system. In doing so, these novel filter systems could filter out pollutants and pests through the air and sterilize it. These air filtration systems would be used in greenhouses. They ensure a healthy growth process of the plants as well as an optimal crop yield with the highest and constant quality. In addition to air filtration systems, exhaust air filters are also playing an increasingly important role in the process of cannabis cultivation. Here, newly developed exhaust air filter systems could be used to provide the correct and necessary humidity. The residual moisture collected in the process could be stored and used for watering the plants. Such multifunctionality could enable the development of self-sufficient cultivation ecosystems. We will strategically align our research efforts in these areas and drive selective projects together with partners.

Measuring Instruments and Analysis Methods

The value of hemp products is influenced by many factors and may differ depending on the country. The content of cannabinoids and terpenes represents one of the most important, if not the most important characteristic of the hemp plant. This is crucial for the quality and decides on the further processing or its steps. We at CeBioLabs are also active in this field and aim to develop a compact, portable, and universal device to accurately determine the content of cannabinoids and terpenes directly on the living plant. This is the only way to influence and control the content of cannabinoids and terpenes during plant growth quickly and effectively. This, in turn, would positively influence the entire production process and the quality up to the final product. The use of this measuring device must be simple so that it can be used by growers all over the world. We will also strive to develop extensive functionalities and measurement capabilities. Here, another relevant field would be the measurement of moisture uptake and nutrient consumption of hemp plants. An enormous added value would be provided by a measuring device that could be used to measure the nutrients made available to the plants. Such a measuring method would measure the nutrient values in the growth process to support the plants artificially with nutrients in case of deficiencies. This would be enormously important for promoting perfect plant growth, making the best possible use of the resources required and thus producing efficiently. Such measuring devices would also make a major contribution in terms of sustainability, helping farms to make the best possible use of their existing resources. The market already has some immature meters that measure similar values, but these lack analyzers to determine and link both nutrient and water content data in real time. There would also be the possibility of integrating the measuring apparatus as an IoT device into the CeBioLabs SCM system to make the data available to the players in the value chain.

Extraction Process

There are also various new approaches and methods for extraction. The primary aim is to extract as gently as possible so as not to lose any valuable plant substances during the extraction process. For this reason, the use of hydrocarbons, which can introduce carcinogenic compounds into the extract, is largely avoided nowadays. In the extraction process, we focus not only on efficiency but also on safety and environmental friendliness. Extraction methods are being continuously developed and improved, which also has an impact on the quality of the extracts. We are firmly convinced that only high-quality products will prevail on the market in the long term. To this end, we will do our utmost together with our partners to optimize existing extraction methods and develop possible new approaches to make this process even more efficient.



8.3.2. Nanobiotechnological Approaches and Methods

At CeBioLabs, we would like to enter close partnerships with research institutions to advance basic research in the field of nanobiotechnology. These plans are long-term and dependent on the financial resources available to us. However, during this exchange of knowledge, we would be able to gain valuable insights that could be put to good use in the field of CBD. Because one problem we are repeatedly confronted with in the market for over-the-counter CBD products is the THC content. This is regulated by law and may not exceed a certain limit. Unlike CBD, THC is illegal in certain amounts, although often these are very small. One solution to this is genetically modified cannabis plants that have little or even no THC despite a high CBD content. This would not only allow us to increase the quality of already existing products but also to develop new products for new uses. This is not just about CBD and THC. Genetically modified cannabis plants, which can be used to enhance certain effects, would be a groundbreaking development and would significantly change the way hemp is handled. This would require close cooperation with research institutions that have precise knowledge of relevant biomolecules as a component of cannabis plants who could offer us directional assistance.

Nanotechnology

Another area of research involves nanobiotechnological methods. Nanotechnology can help to better understand the biomolecules of the cannabis plant, handle them precisely and control modes of action. Research findings in this field could help to understand the processes involved in ordering molecules. As a result, the field of bioavailability could be optimized. This is because, in addition to the quality of the product, bioavailability also plays a very decisive role. This indicates how quickly and to what extent a substance is absorbed and is available at the site of action. The higher the bioavailability of a CBD product, the more efficient its effect or treatment. Nanotechnology can be used to increase bioavailability in CBD products. Unlike other technologies, nanotechnology is not differentiated by its applicability but only by the size of the materials. Previous research suggests that CBD molecules can be reduced to nano size, allowing them to better penetrate the membrane and allowing more CBD molecules to enter the bloodstream. This increases bioavailability, which has a positive impact on treatment. According to previous findings, nanotechnology could be an important component for CBD and cannabis products.

Personalized Products

Science is currently researching compounds and the effects of cannabinoids on human genetics. A person's individual biochemistry causes cannabinoids to be absorbed and processed differently. This makes finding the right blend of cannabinoids for an individual treatment a major challenge. In the future, cannabis and CBD products specifically tailored to a human DNA could be developed. This would make them many times more effective, which would represent a major advance in treatments. In addition, research is already underway on a saliva-based screening test that would profile a person's response to specific cannabinoids. This personalized test can be performed at the retailer's or dispensary's location, ensuring that the customer receives the most individually appropriate product. Our long-term research activities and partnerships in the field of nanobiotechnological methods will also cover these topics.

8.3.3. App-Based Payment Systems and Methods



With the increasing liberalization of cannabis, cannabis products can already be offered and purchased in modern stores. These specialized stores are modernly furnished, well lit, and clearly display the goods with compliant labeling. Special mobile applications can be used here to simplify the processes in these stores for retailers and customers. We will be working on technical solutions in the coming years to ensure a better shopping experience for customers. Such an app could help customers to order the goods they want online via an app that features a wide range of products from a variety of suppliers. The goods would then be delivered directly to the customer's home. In cooperation with local retailers, this process could be optimized, and shipping could be much faster. This would be very practical, especially for regular consumers, and would save a lot of time. Another advantage is that only certified suppliers and products would be listed on the app to ensure high quality for the end consumer. This approach to app-based retailing will initially be focused on European countries and, if successful, will be rolled out worldwide.

Novel Payment Systems

Despite the rapidly growing market and the increasing popularity of cannabis products, various financial institutions are reluctant to invest in the cannabis market and the companies involved in it. It has also been known that reputable payment providers do not make their payment services available to cannabis products and businesses. To counteract these problems in the future, it will be possible for transactions to be made and processed through the blockchain. Consumers and businesses will remain partially anonymous and will be able to complete payment processes in a secure and automated manner. To this end, we will develop a corresponding solution after detailed planning to simplify the global trade in cannabis and CBD products.

Our presented research and development projects are focused on the cannabis and CBD market and will take many years to complete. To this end, we will use the funding generated by our operations to enable us to develop novel technologies and approaches in many areas and segments over the long term and to provide financial support to our external partners and research institutions. Initially, there is no primary linkage of our CBSL token to these activities. Nevertheless, there is the possibility that we will patent the research results and newly developed technologies and sell them to companies. The funds raised from this will be invested in the CeBioLabs project and may also be used for additional and unplanned buybacks. We will document all information about these activities on our site and keep our community updated.



9. The CBSL-Token

Our CBSL token will play an important role in our enterprise ecosystem. The CBSL token is strictly defined as a transferable and freely tradable utility token for the B2B segment designed for the CeBioLabs project ecosystem. Through the token, users gain access to exclusive functionalities and can use the token differently in our enterprise environment. All planned B2B systems and solutions are associated with usage fees for companies, which can only be paid in CBSL tokens. Thus, these companies must purchase CBSL tokens to pay the usage fees to us. Along with this, free trading on the crypto market on various exchanges is an integral part of the CBSL functionality.

The CBSL token is based on the BEP20 token standard. Thus, CBSL is a part of the Binance Smart Chain (BSC) network and can benefit from scalability, speed, and cost-efficiency. As we want to actively integrate the CBSL token into our projects and business ecosystem, we have deliberately chosen the BSC to offer transactions more easily and cost-efficiently. If the CBSL token becomes too heavily implemented in individual projects or functions in the future and develops an important technical functional property, we will drive the creation of our own blockchain network. Should this occur, all relevant information such as the main net details, the timing of the swap, and the ratio at swap will be announced to the community in a timely manner.

Here are the most important basic data of the CBSL token:

Token Name:	CeBioLabs
Token Ticker:	CBSL
Total Supply:	100,000,000 CBSL
Network:	Binance Smart Chain (BEP20)
Special Feature:	Deflationary Nature due to Buybacks

The CBSL token will be tradable on numerous centralized and decentralized crypto exchanges over the coming months and years. In doing so, we place great emphasis on building a large community of users who understand our vision and participate directly or indirectly in the company's operations. A cornerstone of this approach is the availability of the token on many platforms and exchanges.

Through the many projects within our company, the token will take on many useful functions that we will optimize and significantly expand over the next few years. In the process, CBSL tokens will also be directly integrated into selected systems to make them a main component of these projects. Until then, an important field of application is our CeBioLabs SCM, where the usage fees of our supply chain management system can only be paid with CBSL tokens. The CBSL token will also perform useful functions in our restricted-decentralized marketplace for CBD products and services and the decentralized portal for certificates of analysis. The fees can only be paid by using the CBSL token.

Generally, companies that use our products, systems, and platforms will need CBSL tokens to be able to pay the usage fees. The more our systems and solutions are used, the higher the institutional demand for CBSL will be. All CBSL tokens paid to us as user fees will be locked by CeBioLabs for three years.

We will massively drive, expand, and increase the usage rate of the three B2B areas mentioned above in the coming years. A possible expansion of the fields to include cannabis could also have a big



positive impact on the usage and frequency of our services. In addition to the B2B fields, we will also cover the business-to-consumer (B2C) field and generate operational revenues through e-commerce projects. Here, the CBSL token will also have active fields of application, for example through promotions, discounts, and exclusive product gifts. Qualification for these benefits will result from holding tokens in time-locked wallets. Overall, the global use of our services, especially in the business-to-business (B2B) sector, will provide us with large funds in the long run, which companies can pay for in the form of CBSL tokens. A long-term view thus makes it clear that the CBSL token will, in any case, benefit from a large increase in utility and relevance within our ecosystem.

9.1. Buyback Mechanisms and Use of the Token

Our CBSL token will have multiple uses in the CeBioLabs project ecosystem. Nevertheless, we would like to add further value to the project by including a buyback mechanism in direct and indirect form. The direct buyback mechanism is linked to CeBiol GmbH from Hamburg, which was founded by us in 2018. We will invest 10% of the annual corporate profits of CeBiol GmbH in the buyback of CBSL tokens. This would mean that if CeBiol GmbH's annual profit is \$1,000,000, we would invest \$100,000 to buy back CBSL tokens. This is not a legally binding commitment and will always be done considering the economic situation of the company. If there are losses and no profits, no buyback will take place. In this regard, the buyback of CBSL tokens will not only be carried out once a year but can also be calculated and carried out monthly. For this purpose, we will provide a lot of information about the buybacks on our website. The buybacks will be carried out by decentralized or centralized exchanges at the respective market prices. There will be no buyback from individual investors directly, and the buybacks are not a guarantee of token appreciation. After each buyback, we will share the relevant information and details about it with the community. The CBSL tokens, bought by CeBiol GmbH, will be burned (destroyed) and no longer traded. This gives the CBSL token a deflationary nature as the total tradable number of tokens decreases. Although there will never be more than 100 million CBSL tokens, the tradable or available quantity will decrease due to the tokens being burned after the buyback.

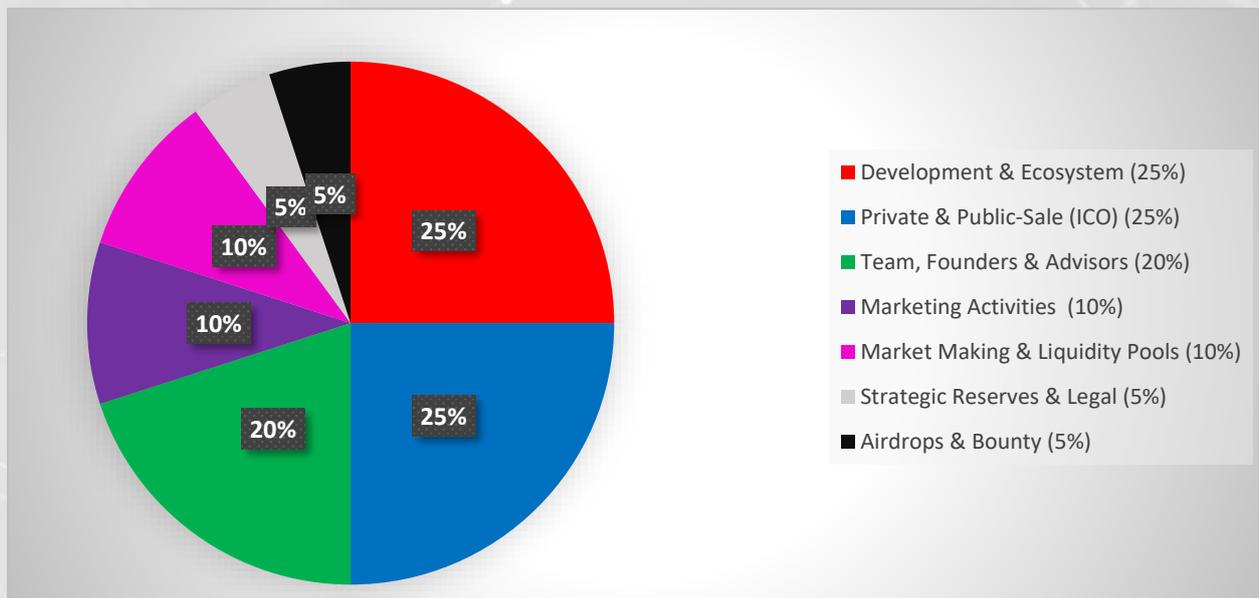
Other indirect buyback mechanisms and CBSL scarcity mechanisms will be implemented by the token in our projects. The companies that use our products or services can only pay the fees and costs incurred with CBSL tokens. Using the token as a "means of payment" within our enterprise ecosystem is tantamount to indirect buyback. All CBSL tokens collected by our projects (CeBioLabs SCM, platform for certificates of analysis, decentralized marketplace) will be held (locked) by us in transparent time-locked wallets for three years without being sold.

9.2. Token Allocation

The CBSL token is limited to a total quantity of 100,000,000 tokens and is, therefore, fixed. This quantity can neither be reduced nor increased in accordance with the BSC contract. In this context, the token will receive a large benefit, and the distribution of the respective shares is clearly defined accordingly. This means that the tokens are actively used in certain areas or financially enable certain areas through sales. We will verifiably publish when the respective tokens will be used or sold as planned on our website.



A total of 25% (25,000,000 CBSL) of the CBSL tokens will be sold to investors as part of the token sale. For this purpose, all information will be published and described in detail on our website. The tokens sold in the presale will thereby be offered by us in the Private or Public Sale. A detailed allocation of the funds acquired in the initial coin offering (ICO) is described in more detail in the next section of this paper. All ICO-relevant information will be announced to the community on the corresponding presale page of our website.



The remaining 75% of the total CBSL tokens (75,000,000 CBSL) after the token sale will remain in the possession of CeBioLabs and will be earmarked for the following functions and activities: 25% of the total CBSL tokens (25,000,000 CBSL) will be used in the area of "Development and the Enterprise Ecosystem". We will integrate the tokens increasingly into the planned projects and create more use cases, so there must be enough CBSL in reserve for these future projects. In addition to being implemented in projects, these tokens will also fund our planned projects and development efforts through targeted sales.

In addition, 20% of the total CBSL tokens (20,000,000 CBSL) will be allocated to CeBioLabs GmbH, the company's founders, employees and consultants, but they will be locked for a predefined time using time-locked wallets and cannot be sold.

To finance the planned marketing activities of the project, we will take 10% of the total CBSL supply (10,000,000 CBSL) and use it through selective sales if necessary. This is necessary considering the size of the crypto market and the correspondingly high number of competitors. CeBioLabs will secure a place in the crypto market through international advertising campaigns, which is why this 10% is necessary.

Another important point is market-making and providing liquidity pools. We have earmarked 10% of the total CBSL tokens (10,000,000 CBSL) for this purpose, which will allow us to generate a necessary level of trading volume on exchanges as part of market making and provide liquidity in decentralized exchanges (DEX).

A further 5% of the total CBSL tokens (5,000,000 CBSL) will be distributed via "airdrops" to our active members within the social media community as a communication measure and to build community. These airdrops will be conducted over multiple campaigns, not given out all at once, and announced

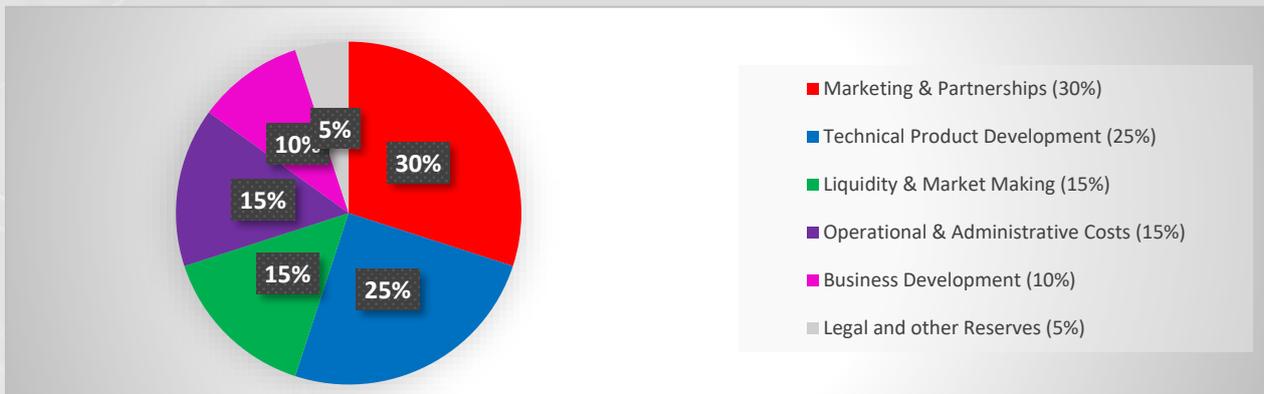


accordingly through our channels. Along with this, we will launch a “bounty” program and give developers the opportunity to get tokens for free by improving our websites and projects.

We will also keep 5% of CBSL tokens (5,000,000 CBSL) in the company as strategic reserves and circulate them only when needed. This could be in case of serious legal issues, challenges, or an unforeseen need for funds.

9.3. Use of Funds

As part of our ICOs, a total of 25,000,000 CBSL tokens (25% of the total supply) will be sold in exchange for Binance Coins (BNB), Bitcoins (BTC) and Ethereum (ETH). These cryptocurrencies (funds) raised will be reserved for specific activities and ventures within our company and will be used on a selective basis.



30% of the funds will be spent on marketing activities and partnerships with companies, agencies, and influencers to increase awareness of the planned projects and token. We will spend 25% of the total funds on the technical development of our planned projects and systems and to drive the implementation of our three-pillar vision. Another 15% of the funds will be used for liquidity provision and market-making on centralized and decentralized exchanges. To ensure the operation of our business and to cover operational costs, 15% of the funds will be spent. To position ourselves in the best possible way, particularly in research activities and the strategic orientation of our company, it is also necessary to finance business development activities, for which 10% of the funds are earmarked. We will leave a small portion (5% of the funds) untouched as long-term reserves and used as needed for legal and unforeseen expenses.



10. The Team

CeBioLabs is a large-scale and strategically oriented project and is part of a German corporate collective. In total, CeBioLabs is supported by three companies in terms of personnel and funding. All employees of these companies are also involved and actively participating in the projects of CeBioLabs. In this context, CeBioLabs is managed and represented by a limited liability company (GmbH) from Hamburg, which was founded in 2021. The "CeBiol Blockchain Solutions GmbH" is, thus, the legal entity behind CeBioLabs. In addition, other companies are involved in the individual projects and support them with employees, know-how and resources.

CeBioLabs is supported and managed by the following companies:

1) CeBiol Blockchain Solutions GmbH from Hamburg, Germany



CeBiol
Blockchain Solutions

Year founded: 2021
Headquarters: Germany
Expertise: Technology
Team: 10 People

2) CeBiol GmbH from Hamburg, Germany



CeBiol.

Year founded: 2018
Headquarters: Germany
Expertise: CBD-Markets
Team: 12 People

3) getViews Consulting from Kassel, Germany



Year founded: 2013
Headquarters: Germany
Expertise: Crypto & Tech
Team: 3 People

Although these three companies appear legally independent, they can unofficially be regarded as a group of companies when it comes to the concerns of CeBioLabs. The address of CeBiol Blockchain Solutions is Peutestraße 53C, 20539 Hamburg, Germany. Mr. Christian Tonn has been convened as managing director of CeBiol Blockchain Solutions GmbH, who is also the managing director of CeBiol GmbH. Overall, CeBioLabs is solidly positioned in terms of personnel and will expand in the coming years through further acquisitions of companies, if necessary.



11. Roadmap

Our described products and planning can be divided into many time periods and implementation phases. We have tried to estimate the approximate time planning of the implementation of our projects and systems. However, this plan is not binding and could change or be delayed. The current roadmap is provided and updated on our website.

Q4 2021: Planning, Conception, and Team Staffing

- Elaboration and definition of the entire concept
- Market research, competitive analysis, and feasibility study
- Staffing of the team and joining of the team members
- Interdisciplinary working groups for final coordination and foundation planning
- Foundation of the Issuer "CeBioL Blockchain Solutions GmbH"

Q1 2022: Organizational and Regulatory Implementation

- Creation and finalization of the white paper
- Establishment of project financing and team planning
- Legal assessment of the project and the token by lawyers
- Preparation of the legal self-assessment of the token for the German regulatory authority BaFin

Q2 2022: Project Communication, Regulatory Review

- Launch of the CeBioLabs website www.CeBioLabs.io
- Submission of the project and company information to the German regulatory authority BaFin
- Creation of the CBSL token and preparation of the presale
- Airdrop announcement and execution of the airdrop
- Creation of the first marketing activities for the project

Q3 2022: Start of Presales and Token Distribution

- Review and assessment of the token by the German supervisory authority BaFin
- Execution of the token sale (private and public sale)
- Start of active project conception and development
- Acquisition of partner companies for project and token
- Token distribution event for presale buyers and airdrop participants
- Listing of the token on Coinmarketcap and Coingecko
- Provision of liquidity on decentralized exchanges (DEX)
- First buybacks and burns of CBSL tokens

Q4 2022: Product Development, Launches and Listings

- Acquisition of further partners in technology and sales
- Development of the first project in e-commerce (Europe)
- Start of the development of the blockchain-based portal for certificates of analysis
- Listing of the CBSL token on at least one to two exchanges (CEX)
- Interim summary and evaluation of the research and development projects
- Start of the development of the CBSL Marketplace
- Start of another e-commerce project (North America)
- Buybacks and burns of CBSL tokens



Q1 2023: Launch of the Blockchain-Based CoA Portal and Expansion

- Acquisition of customers for the CBSL Marketplace
- Start of the development of the CeBioLabs SCM solution
- Development of the CBSL Marketplace
- Beta test and launch of the blockchain-based portal for certificates of analysis
- Expansion of international e-commerce projects
- Listing of the CBSL token on at least one exchange (CEX)
- Buybacks and burns of CBSL tokens

Q2 2023: CBSL Marketplace Beta and E-Commerce

- Start of beta testing of the CBSL Marketplace
- Announcement and advertising campaign for the CBSL Marketplace
- Further development and acquisition of customers for the CeBioLabs SCM solution
- Launch of another e-commerce project (Asia)
- Listing of the CBSL token on at least one exchange (CEX)
- Buybacks and burns of CBSL tokens

Q3 2023: CBSL Marketplace Launch and CeBioLabs SCM-Beta

- Start of advertising campaign for the CeBioLabs SCM solution
- Official launch of the CBSL Marketplace
- Listing of the CBSL token on at least one exchange (CEX)
- Acquisition/purchase of external projects in the field of CBD and cannabis technologies
- Launch of beta testing of the CeBioLabs SCM solution
- Launch of an e-commerce project (Eastern Europe)
- Buybacks and burns of CBSL tokens

Q4 2023: Development of High-tech Products

- Launch of further e-commerce projects (USA)
- Official launch of the CeBioLabs SCM solution
- Interim summary and evaluation of research and development projects
- Development of high-tech products based on the research results
- Listing of the CBSL token on at least one exchange (CEX)
- Expansion and acquisition campaigns for all CeBioLabs projects
- Buybacks and burns of CBSL tokens



12. Summary

CeBioLabs is more than just one of many crypto tokens. We at CeBioLabs love and live CBD and will use our experience in the market to add value to the global CBD industry. Our experience helps us to identify the weaknesses of the markets and develop suitable solutions for them. The major issue of transparency and trust will be solved by our CeBioLabs SCM system, where all players in the value chain will have a single point of contact and source of information. For operational revenues, we will develop a partially decentralized marketplace for CBD (CBSL Marketplace), launch a blockchain-based portal for certificates of analysis, and launch global e-commerce projects to sell CBD products.

All projects are under the umbrella of CeBioLabs, represented by Cebiol Blockchain Solutions GmbH of Hamburg, Germany. The CBSL token has a key role within the company's ecosystem and will link all areas. Our aim is for the token to reflect operational revenues, successes, and enterprise value, and to be incorporated into the performance. As CeBioLabs is managed and administered by three companies registered in Germany, we will successfully transform the CBD market and secure large market shares through our "Made in Germany" label.



13. Investment Conditions

The following describes the terms and conditions of investment ("**Terms**"), which govern the contractual basis for the purchase of the CBSL cryptographic token ("**CBSL**").

This document does not constitute a solicitation for investment and does not relate to an offering of securities of any applicable jurisdiction. The information in this white paper relates to the CeBioLabs project and the related offering of the CBSL token. The Issuer makes no warranty, express or implied, as to the future success of CBSL and or the technically underlying Binance Smart Chain network. Statements in this white paper regarding future development, forecasts and future business activities are based on assumptions at the time of the preparation of the white paper without any guarantee that the forecasted development will occur. The Issuer assumes no liability for the statements contained in the white paper regarding future developments, forecasts and business activities.

If you do not agree with the terms of this section (13 "Investment Terms"), you should refrain from purchasing the CBSL tokens. By purchasing the CBSL Tokens, the purchaser agrees to be bound by all of the terms and all conditions incorporated by reference. If you have any questions regarding these terms, you may contact the Issuer at any time at info@cebiolabs.io.

Liability for any loss or damage incurred by the buyer as a result of the purchase of CBSL tokens is excluded to the fullest extent permitted by law. By purchasing CBSL, the buyer expressly agrees, to the fullest extent permitted by law, not to hold the Issuer and its current, former and future employees, affiliates, related companies, officers, contractors, consultants, shareholders, service providers, parents, subsidiaries, agents, representatives, assigns (the "CeBioLabs Team") liable for any loss or special, incidental or consequential damages arising out of or in any way connected with the sale of CBSL tokens, including losses related to the terms set forth below.

If you are not an expert in cryptographic tokens and blockchain-based systems and projects, you should refrain from purchasing CBSL tokens. Before purchasing CBSL, you should carefully review the terms and conditions set forth in this section and, if necessary, seek outside advice from a lawyer, tax professional or accountant. If any of the terms listed in this section are unacceptable to you, then you should not purchase CBSL. CBSL should only be purchased by individuals, entities or companies that have sufficient knowledge of the uses and potential complications associated with cryptographic tokens, including Binance Smart Chain (BSC) tokens, and blockchain-based systems and projects. Purchasers should have a functional understanding of the storage and transfer mechanisms of cryptographic tokens. Although the Issuer is available to assist buyers of CBSL during the sale, the Issuer is in no way responsible for any loss of Binance Token (BNB) or other accepted coins and tokens resulting from actions taken or omitted by buyers. If you do not have the required experience and expertise, you should not purchase CBSL or participate in the sale of CSBL. By participating in the sale of CBSL, the participant declares that all the requirements set forth in this paragraph have been met.

By Purchasing CBSL, the Buyer Acknowledges and Agrees to the Following Terms and Conditions:



Conditions for the Sale of CBSL Tokens

You may not purchase CBSL tokens if you are a citizen, resident (tax or otherwise) or Green Card holder of the United States of America.

By purchasing a CBSL token, you accept the following terms and that the following information truthfully and accurately reflects the basis on which you are purchasing the CBSL tokens:

- Neither the Issuer nor any member of the CBSL team has provided any advice in connection with the purchase of the CBSL token. You have solely determined that CBSL is a suitable investment for you based on your knowledge and experience.
- You have sufficient understanding regarding functionality, usage, storage, transfer mechanisms and other specifications and functionalities related to cryptographic tokens and blockchain-based systems and projects.
- You are legally authorized to receive, hold and use CBSL in your and any other relevant jurisdiction.
- You shall provide the Issuer, upon first request, with all relevant information, documentation or copies of documentation and shall promptly notify the Issuer of any change in information that the Issuer should require in order to accept your purchase of CBSL and allocate the purchased CBSL to you.
- You have not provided the Issuer with any inaccurate or misleading information with respect to your purchase of CBSL or otherwise.
- If you are not a corporation or legal entity, you are of legal age, and legally capable of entering into contracts and lawfully acquiring CSBL.
- You assume full and sole responsibility for all restrictions and risks associated with obtaining and possessing CBSL, including, but not limited to, those set forth in Section 0 (Risks).
- You are not making a regulated investment, as defined by your jurisdiction, by purchasing CBSL.
- You are not purchasing or using CBSL for an illegal purpose and will not use CBSL for an illegal purpose in the future.
- You waive any rights you may have or obtain to participate in a class action or arbitration against any entity or person involved in the sale of CBSL.
- Your purchase of CBSL does not include your acquisition or receipt of any interest, ownership or equivalent interest in any existing or future public or private corporation, partnership or other entity in any jurisdiction.
- You accept that, to the extent permitted by law and provided that it acts in good faith, the Issuer makes no express or implied warranty, representation or guarantee as to the future success of CBSL and or the technically underlying Binance Smart Chain network.
- You accept that CBSL is being created on an "as-is" basis and, therefore, on an "under development" basis. Provided that the Issuer acts in good faith, you therefore accept that the Issuer is providing CBSL without warranties as to any rights associated with CBSL, such as title, merchantability or fitness for a particular purpose.
- You accept that the acquisition, allotment, use or ownership of CBSL could result in the potential appreciation or depreciation of CBSL over time, that the sale and purchase of CBSL and/or any other action or transaction relating to CBSL has tax consequences, and that it is your own responsibility to determine such tax consequences in your respective jurisdiction and to comply with any obligations that may arise therefrom.



Overview of the Sale of CBSL

CBSL tokens have many uses in the enterprise project ecosystem and can be used as defined in this white paper (the "White Paper"). Related information and details will be posted and updated on <https://cebiolabs.io> (the "Website"). The Issuer will provide buyers with all information necessary for the purchase on the Website and provide all information regarding the process. In the token sale, the maximum total amount of CBSL issued is 25,000,000 (25 million). Ownership of CBSL during the CBSL token sale does not include any express or implied rights. Purchases of CBSL are non-refundable.

The anticipated use of the proceeds from the sale of the CBSL tokens is as follows:

- 25%: Development & Ecosystem
- 25%: Private & Public Sale (ICO)
- 20%: Team, Founders & Advisors
- 10%: Marketing activities
- 10%: Market Making & Liquidity Pools
- 5%: Strategic Reserves & Legal
- 5%: Airdrops & Bounty

CBSL-Price

Buyers, as participants in the CBSL token sale, will be allocated their CBSL tokens in exchange for Binance Coin (BNB), Ethereum (ETH) or Bitcoin (BTC) at the following rate:

- The first 10,000,000 CBSL tokens: \$0.090 within the two-week sale phase 1. During this phase, the price is subject to a 10% discount.
- An additional 7,500,000 CBSL tokens: \$0.095 within the three-week sales phase 2. During this phase, the price is subject to a 5% discount.
- Another 7,500,000 CBSL tokens: US\$0.1 within the three-week sale phase 3. This is the non-discounted price of the token.

The exchange rate of US dollars to BNB, ETH and BTC is used to dynamically set the rate of BNB, ETH and BTC to CBSL. Therefore, for the duration of the CBSL sale, the price to buy a CBSL is set as a BNB amount or a US dollar amount.

The buyer must have a Binance Smart Chain wallet that supports the BEP-20 token standard to receive the CBSL purchased by the company.

CBSL Token Sale Schedule

The CBSL sale is expected to commence in the third quarter of 2022 following the completion of the regulatory review, the exact date of which will be posted on the Issuer's website. The CBSL sale will run for 56 calendar days and will end at the end of the 56th day after the start date, or if the CBSL sale cap of 25,000,000 has been previously reached, on the day the sale cap is reached. The Issuer reserves the right to change the sale dates or extend the duration of the sale for any reason, including website unavailability or other unforeseen security or procedural issues. The public will be able to view the distribution of all CBSL tokens to participating Binance Smart Chain accounts within the BSC network.



After the CBSL Token Sale

Buyers have no influence on the management of the issuer before, during and after the token sale. Upon completion of a successful CBSL sale, the CBSL tokens will be deemed to have been acquired in a transparent manner by the buyers who have paid the equivalent value of the tokens in BNB, ETH or BTC. The issuer will publish an official overview of the progress of the token sale with all relevant information after closing. No later than 14 days after the completion of the token sale, the issuer will send the acquired CBSL tokens to the deposited BSC wallet addresses to the buyers. Before a buyer disposes of the tokens after the completion of the CBSL token sale, it must ensure that the third-party buyer of the CBSL agrees to comply with all provisions of these terms and conditions as if such person were a buyer in the CBSL token sale.

All CBSL Purchases are Final

All purchases of CBSL tokens are final and non-refundable. By participating in the token sale, purchasers acknowledge that neither the issuer nor any of its affiliates, directors, employees or shareholders are obligated to provide a refund for any reason. If the issuer, in its sole discretion, believes that persons or entities holding CBSL create material regulatory or other legal risks or adverse effects for the issuer and/or CBSL, the issuer reserves the right to purchase all CBSL Tokens from such CBSL holders at the then-existing market prices and/or sell all of the issuer's cryptocurrency assets.

Taxation of CBSL and Taxation Related to the Token Sale

It is the sole responsibility of the purchaser to determine whether the purchase of CBSL with BNB, ETH, BTC or the potential appreciation or depreciation of CBSL over time will have any tax implications for the purchaser in its home country. By purchasing CBSL, and to the extent permitted by law, the purchaser agrees not to hold the issuer, its affiliates, directors, shareholders or advisors liable for any tax liabilities associated with or arising from the purchase of CBSL.

Exclusion of Guarantees

The purchaser expressly agrees that it is purchasing CBSL at its own risk and that CBSL is provided "as is" without warranties of any kind, either express or implied, including, but not limited to, warranties of title or implied warranties, merchantability or fitness for a particular purpose (except to the extent prohibited by applicable law, in which case the statutory warranty period shall be limited to the lesser of thirty days from first use or the minimum period required). Without limiting the foregoing, neither the issuer nor the CBSL team warrants that the process of purchasing CBSL tokens will be uninterrupted or error-free.

Limitation and Waiver of Liability

The buyer acknowledges the disclaimers contained herein to the fullest extent permitted by applicable law for any and all damages or injuries of any kind whatsoever in connection with the use of, or inability to use, CBSL. The buyer further acknowledges that neither the issuer nor the CBSL team shall be liable for any indirect, incidental, special, exemplary or consequential damages,



including loss of profits, goodwill or data, arising in any way out of the use of, or inability to use, or purchase or inability to purchase, CBSL or any interaction with the smart contracts implemented with respect to CBSL. In addition, the purchaser expressly acknowledges that the issuer is not liable for the conduct of any third party, including any other purchaser of CBSL, and that the risk of the purchase and use of CBSL rests entirely with the purchaser.



14. Risks

By purchasing, Owning, and Using CBSL, You Expressly Acknowledge and Agree to Bear the Following Risks:

1. Risk of loss of access to CBSL due to loss of private keys, custodial errors or errors by the buyer: The buyer is liable for the security of the private keys and the security of the wallets necessary for holding CBSL tokens. In addition, the buyer is liable for losses of CBSL that may result from receiving or sending CBSL if incorrect wallet addresses are provided for sending or receiving CBSL that are not BEP-20 compliant.
2. Risks related to the Binance Smart Chain network: CBSL is technically based on the Binance Smart Chain, therefore any disruption, failure or discontinuation of the Binance Smart Chain network may have a material adverse effect on the issuer's projects or on CBSL.
3. Risk of mining attacks: As with other cryptographic tokens based on the Binance Smart Chain network, CBSL may be vulnerable to attacks by miners in the course of validating CBSL transactions on the Binance Smart Chain blockchain, including but not limited to double-spend attacks, majority mining attacks and selfish mining attacks. Successful attacks pose a risk to the issuer's and CBSL's projects, including but not limited to the proper execution and recording of transactions with CBSL.
4. Risk of hacker attacks and security vulnerabilities: Hackers or other malicious groups or organizations may attempt to disrupt the issuer's or CBSL's projects in various ways, including, but not limited to, malware attacks, denial of service (DDOS) attacks, consensus-based attacks, Sybil attacks, smurfing and spoofing.
5. Risks associated with CBSL markets: When secondary trading of tokens is facilitated through third-party exchanges, such exchanges may be new and subject to little or no regulatory oversight, making them more vulnerable to fraud or manipulation. In addition, if third parties ascribe external exchange value to CBSL (e.g., in the form of a digital or fiat currency), that value may be volatile.
6. Risk of uninsured loss: Unlike bank accounts or accounts at other financial institutions, CBSL are not insured unless you specifically purchase private insurance to cover them. Therefore, in the event of a loss or reduction in value in use, there is no public insurer or private insurance purchased by the company for you to rely on.
7. Risks related to taxation: The tax classification of CBSL is uncertain. You will need to seek your own tax advice in connection with the purchase of CBSL, which may result in adverse tax consequences for you, including withholding taxes, income taxes and tax reporting requirements.
8. Risk of competing platforms: It is possible that alternative companies may be formed that pursue the same concept underlying that of the issuer and seek to facilitate services or offer products that are substantially similar to the issuer's services and products.
9. Unforeseen risks: Crypto tokens such as CBSL are a new and unproven technology. In addition to the risks set forth in this section, there are other risks.
10. Other risks associated with the purchase, ownership and use of CBSL, including unforeseen risks. Such risks may materialize in the form of unforeseen variations or combinations of the risks described in this section of these terms.



15. About CeBioLabs

CeBioL Blockchain Solutions GmbH

CeBioLabs is more than just one of many crypto tokens. The issuer will use its experience in the market to add value to the global CBD industry, identify the weaknesses of the markets and develop suitable solutions. The CeBioLabs SCM system will help solve the problems of lack of transparency and trust. A partially decentralized marketplace for CBD (CBSL Marketplace) will be provided for operational sales. The issuer will launch a blockchain-based portal for certificates of analysis and global e-commerce projects to sell CBD products.

All projects will be initiated and managed by the issuer. The CBSL token will play a key role within the company's ecosystem and link all areas together.

Contact



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CeBioLabs.io