



Medical Cannabis for the Blockchain Era

Be a part of Medical Revolution break-through with Innovation Driven Medical Technology using Cannabis for Treatment of Cancer, Multiple Sclerosis, Epilepsy, HIV/AIDS, Post-Traumatic Stress Disorder and many more chronic diseases.



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Executive Summary:

Cannabis production has evolved to be the fastest growing industry in today's world. Possessing powerful properties to cure various chronic diseases, the medical cannabis industry attributes to 52% of the total cannabis market. This industry will grow to a \$140 billion industry by 2027.

The research has proven futile to find a proper cure for chronic diseases. There is no other plant that contains medically active properties as **Cannabis**.

The problem arises due to the fact that there are legal restrictions that belittle the growth of the Cannabis-based therapeutics.

The medical Cannabis can be taken in many forms - from inhalation to edibles and tinctures, cannabinoid-rich lotions, serums, oils, pills, and capsules. Testing and quality controls are an important aspect of the research of medical Cannabis.

The objective is to apply for licenses to produce Medical Cannabis and use the portion of funds for support of medical research in this filed. A jaw-dropping fact is that the Medical Cannabis industry is estimated to reach \$20-35 billion by 2020.

The company will conduct an ICO. Through these virtual currency Coins that are known as "MedK", the company will raise funds for the development of MedK as a project.

The research leads the way for genetic research and development of Cannabis plant. The Promoter will operate a cultivation facility and eventually set up few manufacturing facilities of Medical Cannabis.

The Cannabis plant is medically re-engineered to aid in the medical upliftment. The pharmaceutical preparations are tested and the outcome is **Vapor Pens, Capsules, Injections and Medical sprays**.

We will extract more CBD than regular strains. To establish the afore-mentioned idea, MedK came into existence.

The Medical Cannabis market was worth \$8.28 billion in 2017 and is expected to grow to \$140 billion by 2027.

Medical Cannabis is used in the treatment **of oncological, neurological and autoimmune conditions**.

The Medical Cannabis can also be prescribed in the following terms:

- **To relieve symptoms of Multiple Sclerosis and muscle spasms.**
- **To relieve nausea caused by treatment with chemotherapy and Radiotherapy.**
- **Treatment for Refractory Epilepsy.**
- **To stimulate appetite in patients with HIV.**

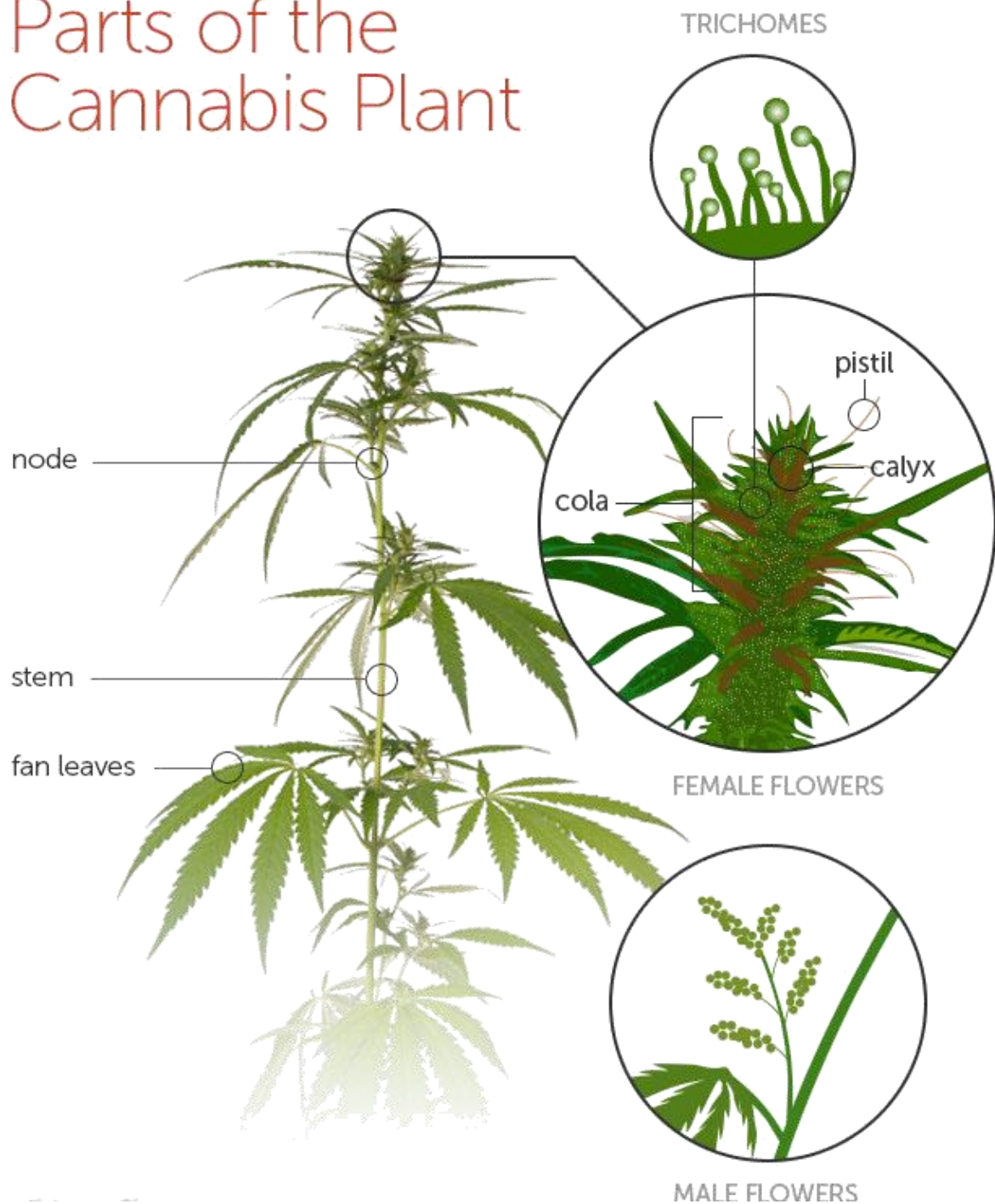
The establishment wants to conduct a study to understand and determine the value and safety of Cannabis-based medicines in the treatment. It also would like to research the possibilities of Cannabis reducing the reflex in multiple sclerosis and Alzheimer's disease.



The research will help gain new theoretical knowledge and translate experiments to clinical practices. The Company aims to present results at national and international meetings of medical societies that use Medical Cannabis.

The Coins will be listed on many prominent exchanges which will enable investors to trade with ease.

Parts of the Cannabis Plant



What is CBD oil?

CBD is one of over 60 compounds found in cannabis that belong to a class of ingredients called cannabinoids. Until recently, THC (tetrahydrocannabinol) was getting most of the attention because it's the ingredient in cannabis that produces intoxicating effects in users. But CBD is also present in high concentrations - and the world is awakening to its possible benefits.

CBD is the major non-euphorigenic component of Cannabis sativa. Some research is beginning to show that CBD is different than other well-studied cannabinoids. All cannabinoids function as ligands, meaning they dock into the binding site of a protein and have the ability to modulate a receptor's behavior. CB1 receptors are widely distributed, but are particularly abundant in areas of the brain, including those concerned with movement, coordination, sensory perception, emotion, memory, cognition, autonomic and endocrine functions.

CB2 receptors are found mostly in the immune system. Although cannabinoids all have similar structures, they display a wide array of actions at each of the different receptor sites.

However, scientists are finding out that, overall, CBD has very little effect on CB1 and CB2 receptors, which probably explains why it doesn't have the same mind-altering effects as THC, the compound that positively regulates the CB1 receptor. That's why most cannabis grown for recreational purposes are typically very low in CBD and high in THC.

THC does typically come with a long list of health benefits, but the clinical use of this cannabis compound is often limited by its unwanted psychoactive side effects in people. For this reason, interest in non-intoxicating phytocannabinoids, such as CBD, has substantially increased in recent years. In fact, CBD is being used in conjunction with THC for more favorable effects.

CBD also appears to balance some effects of THC. This is probably what makes CBD so appealing.

Types of CBD Oil Products

As the CBD oil market continues to grow, more and more products are being sold online or in your local health food stores. You can find many types of CBD and each one is used in a different way. The most common forms of CBD available include the following.

Oils: CBD oils are the most potent and unprocessed form of cannabidiol. CBD oil is removed directly from the flowers, stalks and seeds of the hemp plant during the extraction process. The most effective CBD oils are full spectrum, which means that they include all compounds found naturally in the plant, including the cannabinoids (with trace amounts of THC), terpenes and essential oils. You can find CBD oils in a bottle with a dropper. This allows you to ingest the oil by placing it under your tongue, letting it sit for about 15 seconds and then swallowing it.

Tinctures: Tinctures are another popular way to use CBD, likely because you can easily gauge exactly how much cannabidiol you are ingesting, like CBD oil. A tincture is usually extracted with alcohol or another solvent. With a tincture, you use a dropper and place the drops under your tongue. Sometimes, manufacturers will use carrier oils, natural flavors or fatty oils in their tinctures.

Concentrates: Like tinctures, CBD concentrates are ingested by placing drops under your tongue. But concentrates are typically much stronger doses of CBD. The high potency isn't ideal for beginners who should start with a low dose and see how they respond.



Capsules: Like any other type of capsule, CBD capsules or pills can be taken with water. This is a convenient way to use CBD, but it gives you less control of the dose. Typically, capsules will contain 10–25 milligrams of CBD.

Topical solutions: Topical CBD products include lotions, salves and lip balms. They are meant to benefit skin, joint and muscle health, and work when they are absorbed into the skin and through the dermal layers. CBD patches are also available for topical delivery of the compound. This allows the cannabinoids to be delivered directly to your bloodstream.

Edibles: CBD edibles, including chocolates, coffees, baked goods, gums and candies containing the compound, are becoming popular. Although this may be a satisfying way to use CBD oil, it can be more difficult to measure exactly how much CBD you are ingesting and the results may be inconsistent.

Powders: CBD powders are another way to use cannabidiol internally. The powder can be added to water, juice, tea or a smoothie. The highest quality CBD powders will not include fillers, but only natural plant compounds.

Vape oil: CBD vape oil is used for vaping CBD. This requires the use of an e-cigarette or vape pen, which can have side effects when chemicals are heated to high temperatures. There are also CBD waxes available that are used for dabbing the cannabis compound. This also requires heating a small amount of the wax and using a dabbing pen. This isn't recommended for beginners, as it's usually a higher concentration of CBD.

Benefits and Uses of CBD Oil:

Cannabidiol is a popular natural remedy used for many common ailments.

Better known as CBD, it is one of the 104 chemical compounds known as cannabinoids found in the cannabis or marijuana plant, *Cannabis sativa*.

Tetrahydrocannabinol (THC) is the main psychoactive cannabinoid found in cannabis, and causes the sensation of getting “high” that's often associated with marijuana. However, unlike THC, CBD is not psychoactive.

This quality makes CBD an appealing option for those who are looking for relief from pain and other symptoms without the mind-altering effects of marijuana or certain pharmaceutical drugs.

CBD oil is made by extracting CBD from the cannabis plant, then diluting it with a carrier oil like coconut or hemp seed oil.

It's gaining momentum in the health and wellness world, with some scientific studies confirming it may help treat a variety of ailments like chronic pain and anxiety.

Here are seven health benefits of CBD oil that are backed by scientific evidence.

1. Can Relieve Pain

Marijuana has been used to treat pain as far back as 2900 B.C.

More recently, scientists have discovered that certain components of marijuana, including CBD, are responsible for its pain-relieving effects.

The human body contains a specialized system called the endocannabinoid system (ECS), which is involved in regulating a variety of functions including sleep, appetite, pain and immune system response.

The body produces endocannabinoids, which are neurotransmitters that bind to cannabinoid receptors in your nervous system.



Studies have shown that CBD may help reduce chronic pain by impacting endocannabinoid receptor activity, reducing inflammation and interacting with neurotransmitters.

For example, one study in rats found that CBD injections reduced pain response to surgical incision, while another rat study found that oral CBD treatment significantly reduced sciatic nerve pain and inflammation.

Several human studies have found that a combination of CBD and THC is effective in treating pain related to multiple sclerosis and arthritis.

In oral spray called Sativex, which is a combination of THC and CBD, is approved in several countries to treat pain related to multiple sclerosis.

In a study of 47 people with multiple sclerosis, those treated with Sativex for one month experienced a significant improvement in pain, walking and muscle spasms, compared to the placebo group.

Another study found that Sativex significantly improved pain during movement, pain at rest and sleep quality in 58 people with rheumatoid arthritis.

2. Could Reduce Anxiety and Depression

Anxiety and depression are common mental health disorders that can have devastating impacts on health and well-being.

According to the World Health Organization, depression is the single largest contributor to disability worldwide, while anxiety disorders are ranked sixth (9).

Anxiety and depression are usually treated with pharmaceutical drugs, which can cause a number of side effects including drowsiness, agitation, insomnia, sexual dysfunction and headache.

What's more, medications like benzodiazepines can be addictive and may lead to substance abuse.

CBD oil has shown promise as a treatment for both depression and anxiety, leading many who live with these disorders to become interested in this natural approach.

In one study, 24 people with social anxiety disorder received either 600 mg of CBD or a placebo before a public speaking test.

The group that received the CBD had significantly less anxiety, cognitive impairment and discomfort in their speech performance, compared to the placebo group.

CBD oil has even been used to safely treat insomnia and anxiety in children with post-traumatic stress disorder.

CBD has also shown antidepressant-like effects in several animal studies.

These qualities are linked to CBD's ability to act on the brain's receptors for serotonin, a neurotransmitter that regulates mood and social behavior.

3. Can Alleviate Cancer-Related Symptoms

CBD may help reduce symptoms related to cancer and side effects related to cancer treatment, like nausea, vomiting and pain.

One study looked at the effects of CBD and THC in 177 people with cancer-related pain who did not experience relief from pain medication.

Those treated with an extract containing both compounds experienced a significant reduction in pain compared to those who received only THC extract.

CBD may also help reduce chemotherapy-induced nausea and vomiting, which are among the most common chemotherapy-related side effects for those with cancer.

Though there are drugs that help with these distressing symptoms, they are sometimes ineffective, leading some people to seek alternatives.



A study of 16 people undergoing chemotherapy found that a one-to-one combination of CBD and THC administered via mouth spray reduced chemotherapy-related nausea and vomiting better than standard treatment alone.

Some test-tube and animal studies have even shown that CBD may have anticancer properties. For example, one test-tube study found that concentrated CBD induced cell death in human breast cancer cells.

Another study showed that CBD inhibited the spread of aggressive breast cancer cells in mice. However, these are test-tube and animal studies, so they can only suggest what might work in people. More studies in humans are needed before conclusions can be made.

4. May Reduce Acne

Acne is a common skin condition that affects more than 9% of the population.

It is thought to be caused by a number of factors, including genetics, bacteria, underlying inflammation and the overproduction of sebum, an oily secretion made by sebaceous glands in the skin.

Based on recent scientific studies, CBD oil may help treat acne due to its anti-inflammatory properties and ability to reduce sebum production.

One test-tube study found that CBD oil prevented sebaceous gland cells from secreting excessive sebum, exerted anti-inflammatory actions and prevented the activation of “pro-acne” agents like inflammatory cytokines.

Another study had similar findings, concluding that CBD may be an efficient and safe way to treat acne, thanks in part to its remarkable anti-inflammatory qualities.

Though these results are promising, human studies exploring the effects of CBD on acne are needed.

5. Might Have Neuroprotective Properties

Researchers believe that CBD’s ability to act on the endocannabinoid system and other brain signaling systems may provide benefits for those with neurological disorders.

In fact, one of the most studied uses for CBD is in treating neurological disorders like epilepsy and multiple sclerosis. Though research in this area is still relatively new, several studies have shown promising results.

Sativex, an oral spray consisting of CBD and THC, has been proven to be a safe and effective way to reduce muscle spasticity in people with multiple sclerosis.

One study found that Sativex reduced spasms in 75% of 276 people with multiple sclerosis who were experiencing muscle spasticity that was resistant to medications.

Another study gave 214 people with severe epilepsy 0.9–2.3 grams of CBD oil per pound (2–5 g/kg) of body weight. Their seizures reduced by a median of 36.5%.

One more study found that CBD oil significantly reduced seizure activity in children with Dravet syndrome, a complex childhood epilepsy disorder, compared to a placebo.

However, it’s important to note that some people in both these studies experienced adverse reactions associated with CBD treatment, such as convulsions, fever and diarrhea.

CBD has also been researched for its potential effectiveness in treating several other neurological diseases.

For example, several studies have shown that treatment with CBD improved quality of life and sleep quality for people with Parkinson’s disease.

Additionally, animal and test-tube studies have shown that CBD may decrease inflammation and help prevent the neurodegeneration associated with Alzheimer’s disease.

In one long-term study, researchers gave CBD to mice genetically predisposed to Alzheimer’s disease, finding that it helped prevent cognitive decline.



6. Could Benefit Heart Health

Recent research has linked CBD with several benefits for the heart and circulatory system, including the ability to lower high blood pressure.

High blood pressure is linked to higher risks of a number of health conditions, including stroke, heart attack and metabolic syndrome.

Studies indicate that CBD may be a natural and effective treatment for high blood pressure.

One recent study treated 10 healthy men with one dose of 600 mg of CBD oil and found it reduced resting blood pressure, compared to a placebo.

The same study also gave the men stress tests that normally increase blood pressure. Interestingly, the single dose of CBD led the men to experience a smaller blood pressure increase than normal in response to these tests.

Researchers have suggested that the stress- and anxiety-reducing properties of CBD are responsible for its ability to help lower blood pressure.

Additionally, several animal studies have demonstrated that CBD may help reduce the inflammation and cell death associated with heart disease due to its powerful antioxidant and stress-reducing properties.

For example, one study found that treatment with CBD reduced oxidative stress and prevented heart damage in diabetic mice with heart disease.

7. Several Other Potential Benefits

CBD has been studied for its role in treating a number of health issues other than those outlined above.

Though more studies are needed, CBD is thought to provide the following health benefits:

Antipsychotic effects: Studies suggest that CBD may help people with schizophrenia and other mental disorders by reducing psychotic symptoms.

Substance abuse treatment: CBD has been shown to modify circuits in the brain related to drug addiction. In rats, CBD has been shown to reduce morphine dependence and heroin-seeking behavior.

Anti-tumor effects: In test-tube and animal studies, CBD has demonstrated anti-tumor effects. In animals, it has been shown to prevent the spread of breast, prostate, brain, colon and lung cancer.

Diabetes prevention: In diabetic mice, treatment with CBD reduced the incidence of diabetes by 56% and significantly reduced inflammation .

SUMMARY: Some studies suggest that CBD may be an effective treatment for diabetes, substance abuse, mental disorders and certain types of cancers. However, more research in humans is needed.

Are There Any Side Effects?

Though CBD is generally well tolerated and considered safe, it may cause adverse reactions in some people.

Side effects noted in studies include:

- ✓ Diarrhea
- ✓ Changes in appetite
- ✓ Fatigue

CBD is also known to interact with several medications. Before you start using CBD oil, discuss it with your doctor to ensure your safety and avoid potentially harmful interactions.



SUMMARY: Although CBD is generally considered safe, it can cause adverse reactions like diarrhea and fatigue in some people. It may also interfere with certain medications. CBD oil has been studied for its potential role in treating many common health issues, including anxiety, depression, acne and heart disease.

For those with cancer, it may even provide a natural alternative for pain and symptom relief. Research on the potential health benefits of CBD oil is ongoing, so new therapeutic uses for this natural remedy are sure to be discovered.

Though there is much to be learned about the efficacy and safety of CBD, results from recent studies suggest that CBD may provide a safe, powerful natural treatment for many health issues.

Where does CBD come from?

The least processed form of the cannabis plant is hemp. Hemp contains most of the CBD that people use medicinally. Hemp and marijuana come from the same plant, *Cannabis sativa*, but the two are very different.

Over the years, marijuana farmers have selectively bred their plants to contain high levels of THC and other compounds that interested them, often because the compounds produced a smell or had another effect on the plant's flowers.

However, hemp farmers have rarely modified the plant. These hemp plants are used to create CBD oil.

How CBD works

All cannabinoids, including CBD, produce effects in the body by attaching to certain receptors. The human body produces certain cannabinoids on its own. It also has two receptors for cannabinoids, called the CB1 receptors and CB2 receptors.

- **CB1 receptors are present throughout the body, but many are in the brain.**

The CB1 receptors in the brain deal with coordination and movement, pain, emotions, and mood, thinking, appetite, and memories, and other functions. THC attaches to these receptors.

- **CB2 receptors are more common in the immune system. They affect inflammation and pain.**

Researchers once believed that CBD attached to these CB2 receptors, but it now appears that CBD does not attach directly to either receptor.

Instead, it seems to direct the body to use more of its own cannabinoids.



What we want to build

In this context, MEDK is proposing the establishment of greenhouse cannabis in an ecological system according to the European Union standards, by introducing economically efficient technologies that will ensure optimal conditions for the activity in accordance with the current market requirements, as well as the increase the added value of the products made through conditioning activities, respectively the creation of an integrated food chain through investments in production links - conditioning - storage - processing – marketing.

The project proposes to acquire equipment corresponding to the projected technological flows and construction works and installations for the creation of the specific infrastructure, namely:

- Primary agricultural production (including conditioning), with sampled operations of cannabis cultivation in ecological system as well as conditioning (sorting and labeling and refrigeration storage in order to preserve the integrity of primary agricultural production).
- Construction and installation infrastructure

Subject: Greenhouses, of which:

- The cultivation area where all the installations and equipment necessary for the production of cannabis will be located
- Technological area with distinct spaces necessary for the basic infrastructure for agricultural production:
 - Thermal central space
 - Space tanks water
 - Conditioning space, refrigeration room 1 and storage space for conditioning equipment, where the assimilated sorting, weighing and labelling operations are performed, as well as cold storage of cannabis until processing.
- Social-sanitary spaces (filter locker, hallways, cleaning material space and washroom cleaning utensils).
- Purchase of technological equipment and equipment corresponding to the technological flows for the primary agricultural production respectively:
 - Greenhouses equipped with thermal protection screen, heating system, irrigation system, control and command systems, hand trolleys,
 - Equipment for primary conditioning of cannabis plants by sorting, weighing, packing and labeling,
 - Thermal enclosures for production storage
- Processing: creation of a specific processing infrastructure for fruit and keeping the temperature of the raw material for processing

The project provides construction works and installations for the creation of external utilities supply networks, namely:

- Water supply will be made from the local water supply network plus drilling wells
- Domestic waste water is taken over by a sewerage system to the proposed drainage basin;



-The power supply is made from the MEDK public network (three-phase protection measure and protection), and by using photovoltaic panels

Also, in order to ensure the optimal conditions of operation through the project, it is proposed the construction of platforms, pedestrian alleys and fencing.

Objectives of the proposed investment

The purpose of the investment project is to improve the general performance of the company by increasing the competitiveness of the agricultural activity, diversifying the agricultural production and the quality of the products obtained, possibly being achieved by:

- Creating an efficient and competitive production capacity and introducing high-performance technologies: Greenhouses provide superior protection to crops: crops are not watered excessively and are protected from natural hits such as hail, ice and heavy winds, and sun and the light received by plants can be controlled;
- The greenhouse requires equipment designed to maintain the optimal conditions of plant growth and development by correlating the fertilization, irrigation and heat necessary for the plants with the external conditions;
- The proposed equipment will contribute to the introduction of advanced technologies;
- Optimal use of resources;

The proposed production system is also environmentally friendly in terms of water consumption, because the irrigation is localized and the drip hoses will be covered with mulch foil, which leads to reduced signposting loss of water by evaporation. The nutrient solution is pumped to the roots of the plants, which replenish nutrients.

Transforming inferior quality produce into a processed product on the farm reduces production losses by making full use of it either as a fresh product or as a processed product.

The new farm is adopting a modern production system for cannabis buds characterized by the application of efficient methods and requiring minimal labor consumption and low operating costs.

The constructive features of the farm and the use of high-performance technologies, with permanent monitoring of cannabis plant status, ensure a high level of competitiveness for the new farm relative to similar holdings in other European Union countries.

The project demonstrates the improvement of the general performance of the agricultural holding by achieving the following objectives:

Why do we do it through ICO?

At least 10 new crypto coins are launched each day, and specialists suggest that investing in a digital coin to be launched can deliver a higher return than the one in a digital coin that is already launched on the market.

Initial Coin Offering (ICO) is the correspondence of IPO, used to raise capital for start up a new digital coin.

We, the MedK team, want to released the MedK tokens on the international market to raise the capital needed to develop the cannabis cultivation process and get cannabis oil. (CBD OIL).

Our studies show that at this moment, in the global ICO market, there is no ico that cannabis and extract oil. We would be the world's first aggressive company based on a virtual currency.



The major difference that we bring with the MedK project is that we leave open opportunities for all people to invest in this business. Following the investment, people or companies receive token. Depending on the cost of investing, each user receives a bonus.

This Bonus is between 5 and 35%:

- First presale - 35% bonus.
- Second presale - 25% bonus
- Third presale - 15% bonus
- Four presale -5 % bonus

According to **Market Watch**, the “global Cannabidiol Oil (CBD Oil) market size will grow to 3860 Million US \$ by 2025, from \$ 270 Million in 2018, at a CAGR of 39.5% during the forecast period. In this study, 2018 was considered the base year and 2019 to 2025 as the forecast period to estimate the market size for Cannabidiol Oil (CBD Oil).” This gives unlimited opportunities to all companies, regardless of size or situation, to invest in this type of business.

What does Blockchain do for us?

This latest technology helps in:

- ✓ **Keeping the evidence of each strain of cannabis;**
- ✓ **Keeping complete evidence of CBD production;**
- ✓ **Fast: Rapid transactions and confirmations with 2.5 minute block times;**
- ✓ **Cheap: Low spending with less fees;**
- ✓ **Scalable: Support and fast blocks provide ample transaction bandwidth;**
- ✓ **Future-proof: Lightning network support provides instant transactions and future scalability;**
- ✓ **Banking data protection;**
- ✓ **Transparent maintenance of funds;**

Technical Objective

The proposed project provides for the purchase and installation of equipment specific to cannabis plant cultivation, based on modern technologies that ensure efficient production, high labor productivity and efficient use of existing resources (greenhouses equipped with thermal protection screen, heating system , irrigation system, control and command systems, manual carts).

The farm will comply with national and European environmental requirements, as the ecological production system is designed to protect and preserve the environment.

The project also proposes investments in the purchase of equipment for the primary conditioning of plants by sorting and labeling in order to increase the commercial value of the products as well as equipment for storing the plants under appropriate conditions (cold room).



In order to capitalize on inferior quality production through the farm, it is proposed to acquire automated equipment for obtaining cannabis oil, which will be part of the products offered to the consumers.

The project also proposes an investment to sell the products obtained on the farm, respectively the acquisition of means of transport for the purpose of selling products within the short chains of companies in the pharmaceutical and medical industry.

Installations and equipment provided in the technological fixture will ensure the development of the production process in optimal conditions / the new and used technologies used lead to the achievement of high quality products, at increased efficiency, efficiency and productivity of the increased labor. Also, the use of new technologies results in good working conditions for employees.

The economic-financial objective, respectively the increase of the economic viability

The performance to be achieved through the implementation of the investment project is also reflected in the economic and financial indicators of the project/ whose parameters correspond to the requirements of the European Union.

The environmental objective, namely the reduction of greenhouse gas emissions from agriculture.

The investment is intended for the production of organic cannabis oil as well as for ecologically processed products / designed to ensure compliance with phytosanitary requirements by practicing healthy cultivation methods so as to ensure food safety for consumers / to comply with environmental standards in order to protect water and soil and keep track of phytosanitary treatments and perishable pest and pest control products used in the production process.

Both the greenhouses that will be built and the equipments and equipment that will be purchased through this project correspond to the levels established by the environmental norms so that the new investment will not have a negative impact on the environment.

Spaces for conditional, processing and storage will allow proper maintenance, hygienisation and / or disinfection, designed to avoid condensation and surface molds, and to exclude contamination of stored food. Increasing the added value of agricultural products by processing products at farm level and direct marketing to major pharmaceutical and medical companies in the world.

Creating the capacity to process cannabis plants will allow us to get a new product, namely cannabis oil. The proposed equipment forms a technological line that includes all the equipment needed to extract the oil, representing a modern technological flow.

MedK has identified the opportunity for sustainable, economic and efficient development, based on the long-term benefits of the proposed technologies as well as on the efficient allocation and use of all available resources, including human resources, namely:

- The proposed performance technologies lead to the achievement of high-quality products at higher yields, under conditions of increased efficiency and productivity. It also aims to achieve optimal working conditions for the hired personnel.



- The project proposes the creation of new jobs. The staff who will work within the unit will be qualified and trained appropriately for each job. In order to ensure that the proposed staff will work together to achieve the stated objectives at the company level, information on staff policy, including equality of opportunities, discrimination and environmental protection, will be made.

- Staff recruitment will be done through the recruitment channels specific to the field of activity, respectively announced in a local newspaper, through the profile websites and / or by AJOFM, based on the description of the job requirements. The selection of the personnel is done in compliance with the legislation in force.

The socio-economic approach of the investment project highlights the impact of its implementation, namely:

- economic impact: net income at the company level, sustainable economic development, local and regional development;

- social impact: the reduction of unemployment through the creation of new jobs, the development and qualification of the staff employed, the raising of the quality of life, aspects that improve the chances for social inclusion and promote a sustainable lifestyle, increasing social stability.

Concluding, the attainment of the fixed objectives will turn the farm into a viable agricultural holding, given its economic and social importance. Investing in agricultural production, processing and marketing is in line with the requirements of the European Union's Common Agricultural Policy.

The water supply of the greenhouse in order to achieve the irrigation of the plants will be done by connecting to the water supply system.

To achieve the greenhouse project, MEDK proposes a localized irrigation system (fertilization) that will account for water consumption. In terms of water economy, the proposed irrigation system is able to precisely dose the necessary water at different stages of crop development and depending on the type of climatic factors and the plant development phase, thus eliminating losses, water consumption for irrigation is 20-40% lower due to high uniformity and yield (90-96%) and reduction of evaporation loss from soil and air.

General context - Agricultural policy of the European Union

Agriculture remains an essential driver of the rural economy in most EU countries. It is necessary to maintain a competitive and dynamic agricultural sector that attracts young farmers to preserve the vitality and potential of European rural areas.

The EU's rural development policy has evolved continuously to respond to new challenges related to rural areas, namely food security, climate change, economic growth and job creation in rural areas. The most recent reform, which accompanies the broader revision process of the Common Agricultural Policy (**CAP**), essentially ended in December 2013, with the approval of the basic legislative acts for 2014-2020. It focuses on greener farming practices, research



and dissemination of knowledge, a fairer system of support for farmers and a more important role for farmers in the food chain.

The CAP will continue to play a key role in achieving the overall objective of promoting smart, sustainable and inclusive growth.

Agriculture is one of the areas of action in which EU countries have agreed to share their responsibility and public funding. This means that political and financial support is not managed by individual countries, but by the EU as a whole.

Technological flow description

The development of cultural technologies involves the establishment of successions of activities that take place during an agricultural year starting with the choice of crops, farm-level farming and continuing with specific production activities, namely: application of fertilizers and amendments, making of crops soil-specific operations, crop maintenance operations, production evaluation and finally harvesting of the obtained production.

For each culture, a framework technology is being developed. Technology for a particular culture includes all the activities carried out in order to obtain the final product, activities that are grouped in calendar months and categories of expenditure: for mechanized operations, manual production and with materials and materials used in the production process.

Strain selection

THC

Indoor selection.

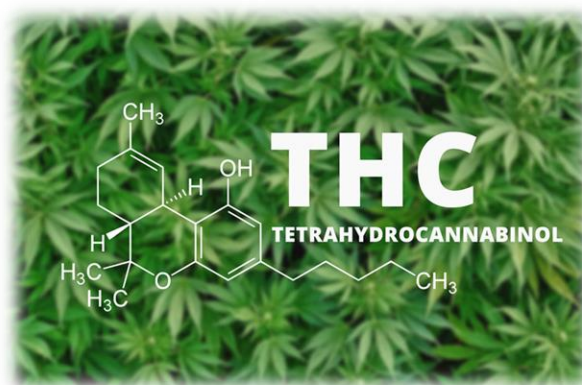
Growing cannabis for THC differs from the production of hemp cannabis in the field.

In hemp fields, male and female plants are grown together, such as for the production of seeds and fibers, CBD extraction is a recent development in the hemp industry.

Pollination of female plants decreases and/or stops the production of THC, the female plant will use her energy to produce seeds instead, the male plant dies after pollination.

In order to select female plants to be used for THC production from seeds and create so-called 'motherplants', from which cuttings can be taken, the following procedure will be followed:

To ensure a good choice for selection we need to start with at least 100 seeds per variety, which will be labeled and numbered from 1 – 100.



After the seeds are germinated the plants will be exposed to 18 – 20 hours of artificial light per day, which will keep them growing new branches and shoots when this cycle is maintained.

After a month the plants will have developed enough shoots to take a few cuttings per plant. The cuttings taken of each individual plant will be labeled accordingly to the plant that produced the cuttings.

The cuttings will be planted in small pots or cubes after a treatment with a biological root stimulator, and placed under artificial light for 18 – 20 hours per day, which is the same cycle as the plants they were taken from, under the same circumstances, like temperature and airflow.

The plants from which cuttings were taken should be forced to flower, which is a matter of reducing the exposure to light from 18 – 20 hours per day to 12 hours per day. This will make the plants start producing flowers, both male and female. From the moment the plants show fluffy, light green flowers on the branches it is of great urgency to start checking for the presence male plants, which start showing small, green balls underneath their flowers. These plants will be removed, the cuttings with the same number will also be removed. This way, all cuttings left in the 'nursery' are female, and can be transplanted to bigger pots, maintaining the 18 – 20 hrs. per day light cycle.

Final selection will take place after the female plants left in the test grow are fully flowered, and harvested, so tests can be done to determine the percentage of active substances per plant.

The plants which show to have the best genetics will be selected to act as mother plants, which ensures our company will have the best possible plants and genetics to work with.

The mother plants will be kept on a 18 – 20 hour p.d. light cycle to keep them in a developing state, producing shoots for cuttings. Cuttings can be obtained every 2-3 weeks, the mother plants will be handled in a way that produces a high yield in cuttings.

The cuttings will be rooted and put in a grow unit with 18 – 20 hours of light p.d. until they reach the desired size. The plants will then be transferred to a flowering unit, with a 12 hours p.d. light exposure cycle



WHAT'S THE DIFFERENCE BETWEEN CBD VS. THC?

CBD:

- Oils – used via tinctures
- Vape
- Medicine
- Food and drink – **edibles**, coffees and even beer
- Skin care – some acne treatments contain CBD
- Beauty products – bath balms, shampoo, and even makeup
- Dog treats and medicines

THC:

- Syrups
- Oils – used via tinctures
- Drops
- Medicine
- Topicals – lotions and balms used for anti-inflammation

Growing Operations

In order to provide for the necessary varieties of cannabis base product required for the research to be carried out by company, three types of grow facilities are to be established in the future: outside (field - for high CBD oil), greenhouse and indoors.

CBD

Growing hemp/cannabis in the field for CBD is subdue to the influences of regional climate conditions, which could cause (a part of) the crop to be unfit for harvest, meaning there would be no plant material available for the lab research and other experiments.

This is one of the main reasons for several cannabis/hemp fields in different regions of European Union to be set up for in that way the constant availability of healthy, full grown high standard plant material can be guaranteed.

It will also be useful to compare the results of the different regions for future, bigger hemp/cannabis fields/operations.



Hemp/cannabis has a full cycle of 70 – 120 days, depending on the strain used. By means of experiments with different strains company will explore when specific strains are best started in the season, preventing such problems as with humidity at the end of the flowering period, which can cause fungi in the flowers, making the plant material unfit for tests.



Small sections of the same strain will be sowed in different weeks, in order to study which is the preferred sowing period in general and per region. We will also sow very late, to be able to discover if, when and which fungi or other plant pest will affect the last sowed test batches. This will have no effect on previous batches, they will all be harvested and processed in the regular season. The data from this research will be used to improve growing conditions and to prevent fungi and other pests.

CBD does not need the full flower period, and for an optimal CBD yield, hemp/cannabis should be harvested approx. 10 – 14 days before reaching the so called milky phase flower period, experiments will show when to harvest for the best results. The cycle of growing hemp/cannabis for CBD extraction will be 60- 90 days. This could mean that one field could yield two (2) hemp/cannabis crops per year, if the season/climate turns out to be fit for this purpose.

Indoor growing – only for research on the first phase

Growing cannabis using female plants is generally called 'the sinsemilla method' which means: 'without seeds' in Spanish, because by excluding male plants, and thus pollination, the selected plants will not produce seeds. This means the plants use most of their energy to produce the maximum amount of active substances during the flowering period.



The pre-grown plants or clones will be exposed to artificial light 12 hours p.d., in well controlled units, they will be flowering under perfect circumstances regarding crucial elements such as temperature, humidity and airflow.



During this period, nutrients will be administered to the soil to stimulate flower development. The nutrients used will be as biological as possible, a few elements in the nutrients cannot be produced biologically, so far. The administering of nutrients will be stopped at the latest 8 days before harvesting the plants. Research into the use of nutrients and the residue produced in the plant material will indicate when to stop administering nutrients.

The flowering period varies per specific strain of cannabis, in general between 8 – 13 weeks, depending on the strain's genetics and origin. The statistics of every strain and/or unit will be registered separately and added to the central data bank.

The administering of water and nutrients is to be fully automated and supervised by a computerized system, in order for a production manager to keep track of and control the procedures regularly.

After the supervisor has checked and confirmed a batch of cannabis to be ready, the plants will be harvested by qualified workers in special uniforms.

Harvesting CBD

Most of the experimental fields should be harvested with specialized agricultural machinery. After harvesting the stems, seeds and flower material of the hemp/cannabis plants need to be separated for further processing. We focus on the flower material which supplies CBD, THC, terpenes, flavonoids, wax, etc., by products like the stems, supply fibers, the seeds supply hempseed oil.



THC

Harvesting the plants means the plants will be cut off right above the soil. The harvested plants will be transferred to a so-called clipping room, in order for the leaves to be separated from the flowers or buds. After the clipping, the branches are hung to dry in a drying room with a controlled environment.

Clipping can be done both manually as through the use of specially designed machines. The advantages of using these machines are: less work(ers), it is faster and the leaves are gathered by the clipping machines in plastic bags. This is important, because the clippings can be used in the extraction process later, this way the material stays untouched and clean for processing.

Workers in the harvesting area have to be adequately dressed before they access the facilities just as in other pharmaceutical production facilities guaranteeing more or less clinical production facilities.

Drying process CBD



The flower end product needs to be dried for aprox. 10-15 days in a room with a high end fully controlled environment system. We will carry out experiments, research and development with elements such as ventilation intensity, different temperatures, temperature schedules, humidity and dark room conditions providing for improved designated drying processes for production aimed at CBD, CBN and THC.



THC

Using the right method to dry harvested cannabis is very important, it should not be done too fast or by using too much extra heating. If the buds are dried slowly it will have a positive influence on the taste and impact of the cannabis. The cannabis will be dried slowly in dark, well ventilated rooms, with a computerized humidity and heat control system. As soon as the cannabis is dry, it will be separated from the branches, weighed in certain units, packed in special plastic bags that will be sucked vacuum after filling them, and transferred to the storage room. FHR wants to experiment with different approaches to dry cannabis, to be able to make the full production process, from seed to smokeable buds, as effective as possible.

Extraction

CBD

There are many methods for cannabis extraction. One of our main objectives though is to achieve the production of medical grade whole cannabis extract with high CBD content. Our research to obtain this variety of extract for now will focus on the following three extraction methods:



- using solvents, like alcohol or ether.
- using gas, like butane.
- using a supercritical CO2 extractor.



An important method for cannabis extraction is by means of the so called whole extract supercritical CO2 procedure. Using this method, the extracted material contains all components present in the original plant material where with solvent or gas extraction certain components will stay behind in the residue and are therefore not present in the extract. In our view it is crucial to obtain a whole extract with the complete range of components present in the plant material.



Depending of the THC content of the original plant material used some extracts will also contain higher levels of THC, where others will provide for low THC extract. FHR wants to produce both varieties as well as research and develop methods to separate elements such as cannabinoids, terpenes and flavonoids from the extract.

THC

As already briefly mentioned regarding CBD, there are several methods for cannabis extraction of which some are very old ways used in hash production:

- *Manual:*

Rubbing the buds. This is in use in countries like Nepal, India, Afghanistan and Kashmir, where the farmers rub the buds between their hands, until they gather a coating of sticky trichomes on their hand palms. The sticky substance is then scraped off and hand molded in finger or ball shaped units of a certain weight. Not a very hygienic method and although the product can be extremely tasty, it is therefore hardly suited for medicinal purposes.



- *Water & Ice Extraction:*

Ice-water extraction to make hash oil, (also known as *water hash*, or *bubble hash*) is an extraction technique for separating the THC laden trichomes from cannabis in order to extract the resin. Trichomes may break away from supporting stalks and leaves when plant material becomes brittle at low temperatures.

After plant material has been agitated in an icy slush, separated trichomes are often dense enough to sink to the bottom of the ice-water mixture following agitation, while lighter pieces of leaves and stems tend to float.



The ice-water method requires ice, water, agitation, filtration bags with variously-sized screens and plant material. With the ice-water extraction method the resin becomes hard and brittle and can easily be separated. This allows large quantities of pure resin to be extracted in a very clean process without the use of solvents, making for a purified hashish.

- Hash oil extraction with gas(es):

Hash oil is a cannabis product obtained by separating resins from cannabis buds by solvent extraction. The most common form of hash oil is made by passing butane gas through a tube filled with cannabis plant matter. The low temperature of the liquid butane crystallizes the cannabis resins. As the butane passes through the tube the crystallized resins are trapped in the liquid butane. As the solvent (butane + resins) exits the tube it is caught in a glass container. Since butane has such a low vaporizing temperature it evaporates quite quickly, leaving behind the crystallized resins only, which are collected from the glass container.

This form of extract is known as BHO or "Butane Hash Oil".

After obtaining this BHO it is often further processed using vacuum chambers in order to produce various textures in the end product.

- Hash oil extraction with solvents:

Solvent-Based Extractions

**Butane, Dextro...
Hash Oil**



**Rick Simpson
Oil (RSO)**



**Supercritical
CO2 Oil**



**Molecular
Separation**



The cannabis plant material is bagged in a nylon stocking, then soaked in a jar of alcohol, which makes the resin dissolve in alcohol.

The cannabis is separated from the alcohol, the alcohol is poured into a distiller, which slowly evaporates the alcohol. The sticky, glue like substance that is left after the alcohol has evaporated, is high grade cannabis oil, which contains 50 – 70 % THC and other cannabinoids.

High pressure CO2 extraction experiments:

CO2 extraction or Supercritical Fluid Extraction (SFE) is known for being the most effective way to extract beneficial essences from plant matter.



This method is not only used for cannabis concentrates, but is also used to create pure essential oils and to strip out or separate different elements of botanicals. Popular products manufactured using this method are: herbal essential oils, hops for beer, high value pharmaceutical precursors and decaffeinated coffee.

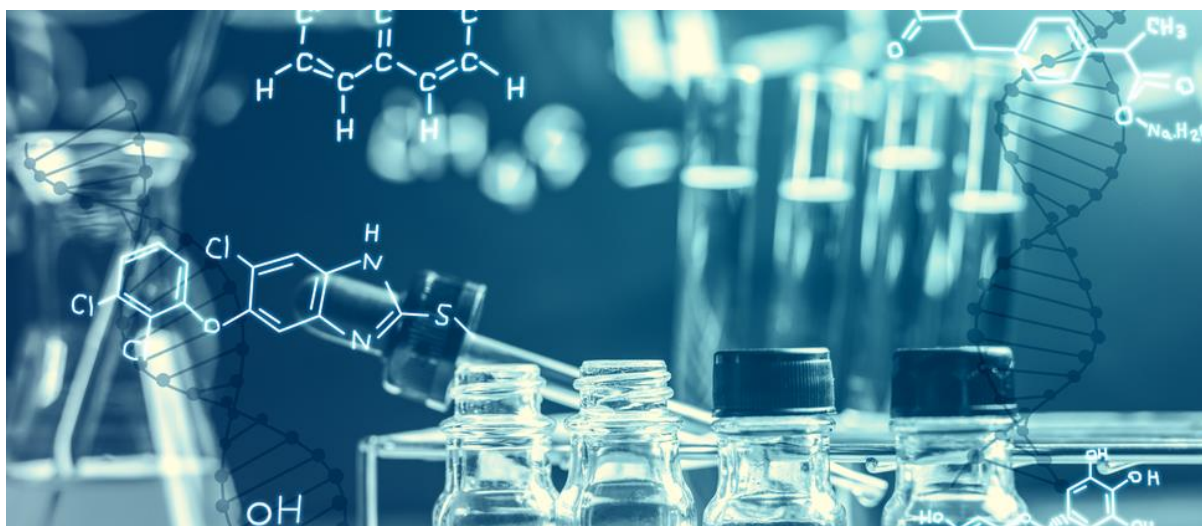
Supercritical fluid extraction is a method of using high pressure to force a solvent through plant matter. In this case, the solvent used is carbon dioxide.

When the solvent is pushed through the plant matter at such a high pressure, it can separate the matter precisely which allows us to isolate only the purest essence of our botanicals- in this case, cannabis. The result is a kind of pure, transparent, amber oil.

Storage

CBD extract

CBD extract can be stored for over a year in closed containers in refrigerated conditions. Experiments with longer storage periods will indicate the length in shelf life of CBD extract. The production cannot keep up with the growing demand, so, little is known about the shelf life of CBD extract.



THC

Cannabis buds or flowers can be stored for at least a year in a freezer, after 24 hours in a fast-freezer. Before packing and storing the cannabis the humidity of the material should be 1% or less.

The cannabis will remain potent and the taste remains intact, the buds are fit to smoke in just five minutes after retrieving the material from the freezer.

Cannabis oil

Cannabis oil is stored in the dark at 6 – 8 degrees Celsius. Experiments to find out how long the product can be stored without losing potency etc. need to be carried out, little is known about long term storage.



Exports

CBD products

For exportation and other purposes, a high CBD whole extract with the terpenes, flavonoids etc. is also produced from which THC is to be diluted, in order for it not to surpass currently accepted levels of ingredients and notably THC, according to existing EU and national regulations, enabling legal exportation and importation. The international demand is growing faster than the production of the plant extract, mass production in European Union could make the country a world player in this segment of the hemp/cannabis industry.



THC cannabis oil

At this moment in time, after years of prohibition, cannabis seems to be accepted in a growing number of countries around the world. Most of the 'new' cannabis countries have to start from zero, they do not have the knowledge, nor the genetics to start up a complete cannabis production and distribution system. These countries will start with the importation of cannabis products from legal cannabis producers abroad, this already happens now, the Dutch Medical Cannabis Company, Bedrocan, exports medical grade cannabis to several EU countries and Israel.

The demand for medicinal cannabis oil is huge, the market is flooded by small, private producers, their products vary in strength and composition, making it difficult to be able to dose the oil like a regular, standardized medicine. FHR wants to enter the market with a line of stable products, based on a regular and standard cannabis product from the reliable genetics. This will make it possible to use the same standard medicine for patients, ensuring them the dose they take will always have the same contents in active substances.

By starting the production of high grade cannabis oil, it will be possible to enter the market once the product is fully approved and production is operational.



Technical Details for Greenhouse: For more details please look into the [annex](#).

1. Framework Structure of Green Houses Agriculture

Hot galvanized steel.



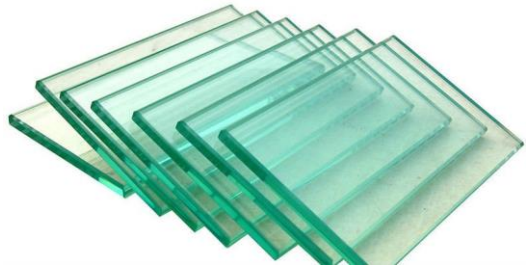
This kind of steel has good anticorrosion and antirust effects, which can help extend the service life of the greenhouse.



2. Cover material of Glass Green Houses Agriculture

Mono-layer or bi-layer float glass.4mm, 5mm, 8mm

This float glass production molding process is completed in the tin tank with the gas(H^2 , N^2). And excellent light transmittance rate about 90%. In addition, it has better resistance and UV compartment capacity. And low thermal expansion and contraction coefficient. So with all those features, this kind of glass could last 25 years for service.



3. Application for Glass Green Houses Agriculture

Agriculture: you could build this kind of greenhouse for your agriculture plants. It can help your crops grow better and then improve your economic efficiency.

4. Outstanding advantages of the Green Houses Agriculture

Good appearance, light transmission, rugged, cooling effect and efficient utilization of land and space



5. Parameters for the green houses agriculture

Property	Light Transmission	Impact Strength	Heat Conductivity	Coefficient of Thermal Expansion	Range of temperature
Unit	%	J/M	W/(M.K)	MM.M.°c	°c
Index	88	520	0.2	0.067	-40 ---+120

Features of glass greenhouse

- Good water proof
- Uniform illumination
- Good Draining ability
- High degree of automation
- Anti-age, anti-sweat large area for cultivating



•Good light transmittance, the transmittance of single layer glass greenhouse up to 90%, the double glazing is 80%

Application:

Planting plant cannabis

Cooling system : wet curtain –fan



Irrigation system : Speed wireless remote control self-propelled sprinkler/Micro jet



Shading system : inside /outside sunshade



Ventilation system : roof window, side window, Circulation fan



Heating system : Gas, heating pipe, boiler



Initial Coin Offering

MedK Coins

During the initial coin offering (ICO), the company will issue virtual currency Coins called Medical Cannabis (MedK) on the blockchain. The company offers a platform for all types of investors contrary to the traditional venture funding that attracts only the elite class.

The ICO invites participants from different regions and also incentivize them to promote the company products via affiliate commissions.

Coins provide liquidity as they can be traded on various exchanges post-ICO.

ICO

The Coin contract will be published in April 2019 and the link will be published on the Coin Sale website.

COIN

The Coin holders can use the MedK Coin to pay for services and products of the company at a discount rate. Medical Cannabis Coins are not Proof-of-Asset Coins and are not a security under any circumstances. There is no promise of profit or any future value, and the Coins are solely used as a right of access and use of platform services. Medical Cannabis Coins do not constitute a currency equivalent as they are not issued by any government or central issuer, nor do they represent any relationship or rights to the ownership of the protocol.

Ico Key Dates

ICO : 19 May 2019 (00:00 GMT) – 30 July 2019 (23:59 GMT)

Purchase: 1 MEDK Coin sold at 0.05 Euro (Rate will be change as per steps in ICO)

Coins Available for Sale: 550.000.000 MEDK

Min Cap in Coins: 1.000.000 MEDK

Accepted Fiat Currencies: **EUR (€), USD (US\$), GBP (£)**

Accepted Crypto currencies: **BTC, ETH, XRP, BCH**

Accepted Nationalities: Every Nationality, except United States of America, residents of a country where American embargoes and sanctions are in force, namely Iran, North Korea, Syria, Sudan, or Cuba. More information in the Terms of Conditions.

When the coin distribution ends officially, the sale and purchase agreement on the **MEDK** Coins entered into between the Coin subscribers and the Coin distributor will become legally valid and binding.



After this, no additional Coins will be distributed. There will be no further Coins created after the hard cap is reached and the total amount of 550,000,000 **MEDK** will not be exceeded.

Coin Technology

MedK coin was developed with the motive of providing a fair trading opportunity and garner financial security to create a change in the world.

MedK coin offers a different initial currency distribution and aims for in-depth community engagement.

Some of the advantages of the coin are:

Escalating utilities MEDK coin has been carefully designed to possess the best features and configuration parameters for maximum utility. The following functionalities of MEDK coin maximize benefits.

- **Fast:** Rapid transactions and confirmations with 2.5 minute block times
- **Cheap:** Low spending with less fees
- **Scalable:** Support and fast blocks provide ample transaction bandwidth
- **Future-proof:** Lightning network support provides instant transactions and future scalability
- **Full release:** The coin will be released to all participants simultaneously. This resolves the issue of biased experience

Protection

To prevent fraudulent activities, MEDK coin generates transaction signatures. In addition, the coin addresses a different Base62 prefix byte, so that the addresses start with the product name. This prevents user confusion.

While the transaction signature changes mean, the network will not validate any transaction sent on the incorrect network, the differing prefix byte and (associated UI validation) will prevent a user trying to create such a transaction



How To Buy Medk

Coins Users can buy MEDK Coins with Crypto currencies or Fiat Currencies.

Option 1 : With Cryptocurrencies

The Users can choose to send ETH, BTC, XRP or BCH to purchase MEDK. MEDK will present the user's personal address to send the Coins. After the coin is sent to the wallet, the users can see the number of Coins in the balance. There will be a confirmation email.



Option 2: With Fiat Currencies

Users can choose to buy Coins using wire transfers to a designated bank account. This transaction of money from the bank account can be made from any part of the world. When wiring of money is carried out the bank account details with personal reference code will be presented.

We at MEDK ensure the highest levels of security in the transactional process. After the deposit has been confirmed and MEDK has validated the payment, the user will see the corresponding number of Coins in the balance.

The confirmation email will be sent in both processes.



Lobby and advocacy

On this moment, in European Union, it is legal to use medical cannabis only on research purposes. That way it is important to start as soon as possible a big and powerful advocacy and lobby campaign to modify the legislation in order to have access to medical cannabis. For this reason, on the budget you will see a strong advocacy team (communication and PR, video and IT specialist, social media specialists).

The main objective of the campaign it will be to document as good as possible the production of the cannabis oil, and to be part of the clinical studies team (the video and IT specialist will film the evolution of the patients under de cannabis oil and we will make some documentary movies). The social media specialist and communication and PR specialist will have the task to promote that movie on the best way

Some conferences and round tables will be held during the project evolution.



Customers

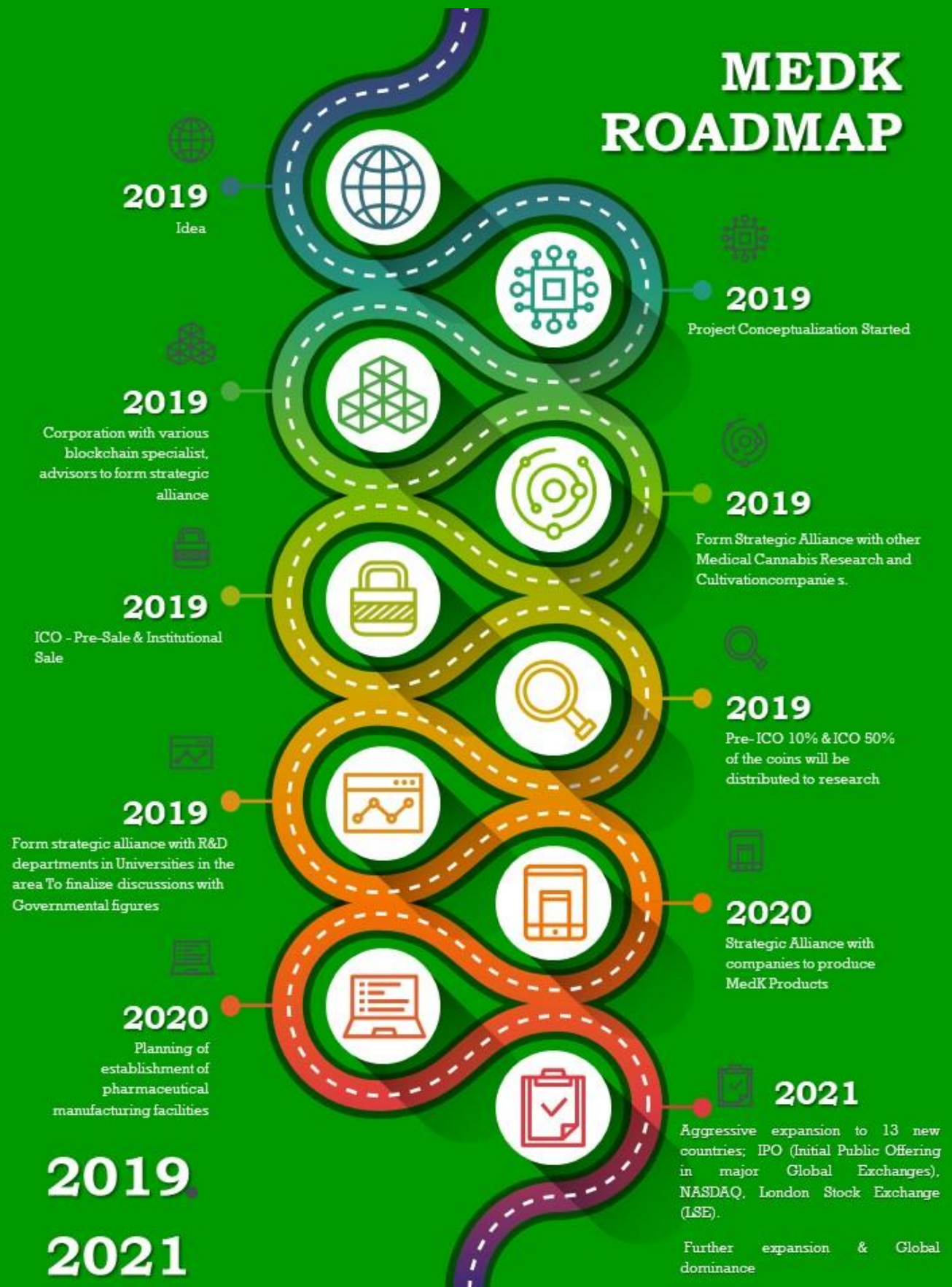
Individuals - we have to create the European market for the CBD oil and cannabis oil, and the target population will be from the urban area, with medium to high income level, with upper medium education at least.

Pharmaceutical and cosmetic industry – there is a growing market in Europe and all over the world regarding CBD oil and cannabis oil.

Hospitals – after the clinical studies provided by the company we can use the results of the study to introduce on the European Union hospitals the CBD oil and cannabis oil.



MEDK ROADMAP



Team and stories of success

Meet MedK Management Team

Ionut Daniel Cojocaru - Cyber security and blockchain expert



Executive Director at Security System Ltd

Blockchain technology and cyber security focus

BSc in Mathematics and Informatics, focus on Informatics

Ionut Daniel Cojocaru and Team related projects:
<https://trademax.io/>,
<https://3binary.com/> <https://tradeguru.exchange>, <https://cryptoya.io>
<https://jibrel.network/>, <https://www.crakex.net/>

Marius Muresan - Crypto currency and innovation consultant



2011 – 2013: Introinvest Inc. Montreal, Canada - President and trader in collaboration with hedge funds

2013 – present: RedLions Investments LTD, Michigan - President

Consultant in stock exchange investments & in development of new financial technologies of crypto currencies

BSc in Mechanical Engineering, BSc in Agricultural Biotechnology

Financial and Trading Expertise: IFSE - Institute of Financial Services Education, Mississauga, Ontario.

David Seth - Crypto Currency Project Advisor



Currently - Crypto Research Associate – Kraken

Investigative Internet Analyst AT R9B – Washington

Blockchain expert and smart contract developer

BSc in Informatics

Cyber security experience

Certifications: CISA, CISM, CISPP, CompTIA A+, CompTIA Security+

Crypto Currency consulting projects:

- <https://zuocoin.org>; <https://bunnytoken.com>



- <https://cryptoya.io>; <https://jibrel.network>, <https://www.crakex.net>

John Taylor - Senior Developer and Cyber Security Specialist



Software developer with experience in Python, Java, HTML, Javascript, CSS, Swift, MEAN, and Django.

He has also recently put the game 'Rolling Onwards' onto the iOS app store and he always find himself wondering about the architecture behind everything he sees, and software and blockchain is no exception.

Sr. Developer and Cyber Security Specialist at Security System Ltd

Bank and blockchain technology experience

Economic Cybernetics, Cyber Security, Statistics and Informatics – BS / MS

Robert Jansen -Senior Software and Cyber Security Specialist



Developer and Cyber Security Specialist at Security System Ltd

Blockchain technology experience

BSc Computer Programming – General; BSc – Computer Software Engineering

Daniel Ionut Paun - Software and Mobile Developer



Software Developer at General Inspectorate of Romanian Police, Ministry of Internal Affairs

Software freelancer and cyber security experience

Database / Application / Network Security – MS program

BSc in Computers and Information Systems for National Defense



Angelina Hellgren - International Marketing Manager



Hellgren is a visionary entrepreneur with experience across multiple marketing and blockchain channels.

She also has a significant experience working with E-Commerce platforms where he focused on international relationship and marketing.

She thrives on every opportunity to bring a creative writings and marketing plans.

Ana Maria Burtea - Graphic Designer



Ana Maria is a visionary Designer with experience across multiple marketing and blockchain channels.

She also has a significant responsibility for creating compelling designs to support a variety of marketing content, to evaluate, refine, and maintain the visual messaging across all platforms; really bringing the brand to life.

She thrives on every opportunity to bring a creative writings and marketing plans.

Dr. Pavel Chirila – doctor



Homeopathic medicine was and is being used by royal families, nobility and wealthy people around the world, being recognized by the Swiss government in 2018 that it can coexist with conventional medicine. It is known that homeopathy, works only if the doctor practices correct homeopathic medicine. A good homeopathic doctor has a long discussion with the patient at almost every consultation and prescribes / changes the dosage depending on his medical history and the evolution of the condition, maintaining a close connection with the patient.

Panel of Experts

We have Consultants, Doctors and Scientists with broad experience in the biggest European Health Systems which were/are responsible for Clinical Trial Design and Conduction according to GCP-ICH guidelines, development of in vitro and in vivo diseases models.

We also have access to a world-class team of scientists, unique cannabis species, advanced technologies and a robust scientific community.



Legal aspects

Entire activity of the business will be according to the EU legislation. For that we will ask for working authorization and quality certification from the authorities.

Also all the employees will have to respect the production standards and machinery manipulation rules (all the persons that will work with the machinery will receive before a comprehensive training on how to work with it).

Legal implications with MedK Token

MedK Token are blockchain Tokens, which are digital Tokens created on a blockchain as part of a decentralized software protocol. MedK Token are crypto-Tokens issued on the Ethereum platform on the basis of an ERC-20 standard contract.

MedK Token are payment Tokens designed to support transactions on the MEDK platform. MEDK do not grant their holder ownership or equity in the Company or the right to participate in the control, direction, or decision making of the Company.

Individuals, businesses, and other organizations should carefully weigh the risks, costs, and benefits of acquiring MedK Token .

We make no promises with respect to the future performance or value of MedK Token , including no promise of inherent value, no promise of continuing payments, and no guarantee that MedK Token will not decrease in value or hold any particular value. MedK Token are non refundable.

MEDK purchasers shall accept sole and exclusive risk for the purchase of the MedK Token and shall recognize that the MEDK platform is currently in development and may undergo significant changes. Please refer to the risks associated with MEDK acquisition in the relevant section of our Terms and Conditions. This concept is fundamental to the objective of the MEDK platform - to spread cryptocurrency to the global economy.

Limitations on purchasing and using MedK Token . US Legal Limitations In July 2017, the Securities and Exchange Commission ruled that some Tokens can be considered as securities and are thereby subject to the agency's regulation. The ruling followed an SEC investigation into a German corporation, backing a group called The DAO (Decentralized Autonomous Organization), that raised \$150 million on its ICO. The DAO issued coins that were used to pursue an automated contribution strategy, which entitled Token owners to receive rewards similar to dividends. For more details <https://www.sec.gov/litigation/investreport/34-81207.pdf>. The SEC also forced Protostarr, a decentralized application allowing content creators to receive funding from fans and contributors in return for channel earnings, to shut down midway through its Token Sale. By offering dividends and profit-sharing, these companies were clearly offering a security and failed the Howey Test created by the US Supreme Court to evaluate securities.

Under the Howey Test, a transaction is a contribution contract if:

- It is a contribution of funds.
- There is an expectation of profits from the contribution.
- The contribution of money is in a common enterprise.



- Any profit that comes from the efforts of a promoter or third party to determine whether certain transactions qualify as “contribution contracts.”

MedK is a payment Token used to pay for MEDK platform services. MedK Token are not linked to real assets and do not grant their holders ownership of any share of the company or any dividends.

As such, MedK Token cannot be construed as securities and pass the Howey Test as:

- MedK Token are not to be purchased with expectation of profit on potential appreciation.
- MedK Token shall be purchased by affiliates, publishers and other network participants or their service providers to pre-purchase services on the MedK platform.
- MedK Token do not represent a contribution contract with an expectation of profits from the entrepreneurial or managerial efforts of others.

Tokens to any purchaser that does not prove a bona fide intent of purchasing the Tokens for their intended purpose.

- All contributions decisions are made directly by the holder of MedK Token , independent of other holders of MedK Token

Canada, Singapore and Hong Kong Legal Limitations Singapore, Canada and Hong Kong have all imposed legal limitations on Token Sales. In July 2017, the Monetary Authority of Singapore (MAS) stated that Tokens fall under its jurisdiction if they “constitute products regulated under the Securities and Futures Act.” Some offers may be subject to the SFA, while others may not. All issuers of digital Tokens, intermediaries facilitating or advising on an offer of digital Tokens and platforms facilitating trading in digital Tokens should, therefore, seek independent legal advice to ensure they comply with all applicable laws and consult MAS where appropriate,” as stated by MAS officials. In August 2017, the Canadian Securities Administrators (CSA) released notice 46-307 to initial coin offerings (ICOs) referring to the Howey Test for determining if a Token falls under the definition of a security.

Early in September 2017, the Hong Kong financial regulator, the Securities and Futures Commission (SFS), announced that Tokens issued via ICOs may be classified as securities. Similar to the US, citizens and residents of Canada, Singapore and Hong Kong can use MedK Token to pay for platform services or exchange them for other crypto Tokens not linked to assets (e.g. Bitcoin, Ether etc.).

South Korea (The Republic of Korea) Legal Limitations At the end of September 2017, South Korean financial regulators prohibited domestic companies from participating in initial coin offerings. The Management of MedK reserves the right to stop offering MEDK Token in South Korea if its financial regulator prohibits the participation of South Korean residents and citizens in offshore Token Sales.

Legal implications of smart contract execution MedK Token are issued on the basis of a smart contract on a blockchain platform. A smart contract is a digital instrument for the discharge via a programming algorithm. MedK smart contracts shall fully comply with the laws applicable



in their respect and shall ensure compliance with the legal requirements pertaining to the confidentiality of information.

Data protection The sale and purchase of MedK Token on the MedK platform may require the provision of personal data. Personal data is information used to identify an individual. Examples of personal data collected may include names, addresses, email addresses, phone numbers, and fax numbers. Personal data may be obtained in a number of ways, including application via the project website, correspondence, telephone and fax and email. We ensure personal data protection through the implementation of an internal Privacy Policy and compliance with the Terms of Use.

Generally, an individual is entitled to require a bank, where they concluded any transaction aimed at the removal of any data regarding such transaction from the banking system. Blockchain does not allow deleting data about any transactions concluded. As such, any user conducting transactions via blockchain connected with the purchase and/or disposal of MedK Token shall represent and warrant that they realize the above facts and shall provide a waiver renouncing their right to require removal of any such data from the blockchain. We place significant emphasis on managing possible legal and regulatory risks and work in close partnership with a very reputable international law firm to protect our users.

KYC and anti-fraud

We pay serious attention to know-your client and anti-fraud issues in order to provide our customers and cryptocurrency holders with a transparent business model that is safe and involves minimal risk. In order to ensure that our services are not utilized by illegal elements to further their criminal motives, we intend to facilitate our operations by means of (i) obtaining sufficient information about our clients and verifying customer identity; (ii) conducting ongoing due diligence operations taking place on MedK platform; (iii) highlighting suspicious customers and operations.





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