



H2K Technologies,
Bahamas

Executive Summary H2K Technologies, Cannabis Division

The Cannabis Industry (Medicinal, Recreational, Cosmetics, Consumables and Pet care) is estimated to grow to USD 80 Billion in the next 6-7 years. This will be achieved as more and more countries legalize cannabis from its current WHO status. The innovations that will follow in all fields will be stunning as Medicinal & Recreational products will probably take the lion share of this upcoming business opportunity.

Many US States, Canada, Caribbean Islands, European and other countries have already legalized Cannabis. (Ref 1)

As this piece is being written, there will be a United Nation vote (Ref 2) to reschedule this plant based drug which will open countries and industries as never seen before.

It may be interesting to point out that this plant has been classified as Schedule 1, Dangerous Drug while the US Government has filed a patent for Cannabis, US6630507B1.

Moreover, there are no other medicine that has the volume of studies, research and potential usage than Cannabis (Ref 3) from countries around the world. It is truly a Global phenomena.

It would be noteworthy to mention that every human being and most animals produce our internal cannabis which govern all the major functions in our bodies such as:

Central Nervous System

Immune System

Cardiovascular System

Endocrine System &

Digestive System

Recently, the medical world was astonished to find out that this Master System has been identified ; Its Name Endocannabinoid Systems (ECS) and it influences all the afore mentioned systems. The Medical implication of a Master System is one of the driving force for the Universal interest in Medicinal Cannabis.

This medical breakthrough only happened in the late 1980's and is probably the reason why this Master System is not taught at Medical Universities as yet...

The Endocannabinoid System positively impacts our Health & Wellbeing.

Disease such as Alzheimer, HIV /Aids, Parkinson, Cancers and many more have been treated by this system.

The range of possible treatments is just mind blowing. (Ref 4)

The ECS is possibly our most important system of Healthcare and it also applies to other animals that we share this world with.

When our ECS works well, we enjoy Good Health. When this system gets impaired, we get sick. In the last 30 years, we have seen an explosion in the sales of over the counter vitamins because the quality of Foods we eat may very well be robbing us of the nutrition the body needs. In the same vein, if our internal ECS may not be producing the Cannabis Like chemicals, called Anandamide (equivalent to THC in Plants) and 2 AG (Equivalent to CBD) that the body needs then disease will set in.

Civilizations have developed healthcare systems such as The Chinese Traditional Medicine and The Indian Ayurvedic Systems which goes back thousand of years and these healthcare systems have used many plant-based medicines including Cannabis. The last region in the world to establish a Plant Pharmacopoeia is the Caribbean and is referred to as TRAMIL , or in brief, Traditional Island Medicine. The reader may want to reference this document (Ref 5) which makes special reference to Jamaica and this country's exceptional micro flora, Soil and climate to give itself to some of the most potent medicinal plants. Thus, Jamaica with its long history of Cannabis Cultivation may very well prove to be the best location for this plants production.

Nature thus has gifted mankind the quintessential ingredient to give Health and Well Being when our own internal abilities to produce these chemicals become impaired.

It is what happens to diabetics when the body can no longer produce insulin and they have to inject themselves with lifesaving insulin. Perhaps Medicinal Cannabis can be delivered in a more acceptable way? Perhaps even dosing can be controlled as we all have different tolerance levels for products we allow to enter our bodies.....

The writer agrees that while plant-based medicines have been valuable that the methods employed such as combustion, uncontrolled dosing etc may be risky. Advancement in science & technology must encourage the upcoming Cannabis Industry to find the safest and most effective methods to deliver the medicine.

Companies Unique Assets:

H2K Technologies have acquired various Rights that will make a major difference in the future Cannabis Market.

Every plant start with a seed and in our case, our Strains have been iterated through many growing cycles to produce plants which have been tested to show a Unique Genotype, meaning that the company, **H2K Technologies** will own the Rights to These Strains. The chemical Property of the plants which is mostly THC,CBD, Terpenes & Flavonoids will have a Unique Signature and once these phytochemicals can be compared to existing database then we will be able to claim as an Intellectual Property.

Good Agriculture Practice will be another Corner stone which we have helped developed and will ensure that quality of the flowers will be significantly impacted. This invention is the Exclusive Right of H2K Technology referred in our references as “ **iSol Technology**”.

The Technology to Cultivate has gone through many trails (Ref 6). It is 100% Organic and will ensure that the resulting flowers will meet the most stringent International Controls such as Maximum Residue Limits (MRL) that is now a policy set up for Agricultural exports. Moreover, the nutrition is provided in an Aqueous / Bioavailable form that the plant can uptake without the introduction of possible pathogens that conventional fertilizing can introduce. The final result is the flowers which will be used as Recreational Purposes or Processed to the medicinal oils holding the original phytochemicals such as THC,CBD, Terpenes and Flavonoids remain Pure just as Nature intended.

Our delivery system (see Patent application WO 2016/030369A1) is possibly one of the most promising Medical breakthrough in latter years. The “medicine” loaded into this patented devise will be delivered to the body in the most effective way. The two systems “ iSol “ & “Vave “ (Ref 7) will deliver a pure stream of medicinal keys which will unlock cells and allow healing to occur. Science has still not figured out the pathways but the countless subjects that have benefitted floods the airwaves.

Cannabis Research

The Research surrounding Cannabis for medicinal uses is quite astounding. It is by far the most studied drug and interest is worldwide from pharmaceutical companies to Universities et al. A very small collection of research is attached for the reader’s interest.

Now that it is a proven fact that the cells in our bodies, both brain cells and the rest of the body (CB1 & CB2) are conclusive that both Endogenous (self producing) and Phyto Cannabis(from plants) can play similar roles then the key to disease management is not far away.

The ability to cultivate the highest Quality Cannabis Standards and the ability to Deliver the medicine now becomes imminent.

- 1) The Role of the Endocannabinoid System
- 2) Cannabis Studies
- 3) Endocannabinoid System
- 4) Endogenous Cannabis

Proposal

To set up the first Phytoceutical Plant in Bahamas which will bring to market a revolutionary way to access both Medicinals and Recreational Cannabis opportunities. This is The Vave Technology and the light packaging that will accompany this business.

The growing Tourism opportunities in The Bahamas will ensure a healthy local market business. Then there are opportunities for distribution to the entire Caribbean thru our Pharma division. The company will “ initially” import the Cannabis oil while management sets up actual cultivation of Cannabis and other cash crops in islands such as Andros.

The opportunity to get involved with both Cannabis and Cash Crops in the Bahamas will be significant as opportunities to supply the local market with Food and to provide employment will be favourably looked at by any Government.

To tie this business with a Jamaican company which will be licensed to Cultivate and Process the Cannabis. This Jamaican Company will be owned (49 % as is Jamaican Laws) by the investors of H2K Technologies Bahamas. In addition, this Jamaican Company will also be in a position to Export the Oil & Flowers to markets such as: Canadian, European and other countries as Jamaica Cannabis is already well known and accepted.

To tie up this industry with Caribbean Academia which will continue to support the use of these technologies and offer cost effective solutions to millions of visitors coming to the shores of the region.