

## Turnkey Cannabis Solutions

Rapid Rollout Cannabis Cultivation, Extraction & Product Manufacture



### Grow

#### High Yield Cultivation

High Performance Cannabis Growth Operations utilizing Under Current hydroponic technology



### Extract

#### High Potency Concentrates

Supercritical CO2 Cannabis Oil Extraction Laboratories to produce high grade concentrates



### Produce

#### Infused Product Manufacture

Commercial Manufacture Facility producing Cannabis-Infused edibles, beverages, topicals and medicines

# About Rhizo Sciences

**With 7 Years experience consulting on Medical and Recreational Cannabis, Rhizo Sciences can help you successfully launch large scale cannabis cultivation, extraction and manufacturing projects.**

The Rhizo Sciences team specialises in turnkey solutions for cannabis cultivation, extraction and product manufacture. We also consult on large scale commercial operations, including go to market strategy and product and brand development.

## How we can help you



### Grow

#### High Yield Cultivation

High Performance Cannabis Growth Operations utilising Under Current hydroponic technology

- Grow Facility Design
- Genetics and strain selection
- Clone sourcing & growth
- Sourcing high performing clones
- High yield production regimes
- Harvest process design
- Perpetual harvest systems
- Flower distribution and sales
- Flower packaging and branding
- Trim purchase contracts



### Extract

#### CO2 Concentrate Extraction

Supercritical CO2 Cannabis Oil Extraction Laboratories to produce high grade concentrates

- Processing Facility design
- Extraction system design
- High yield extractin process
- Post processing and refinement
- Extraction training and SOPs
- Product formulation
- Cartridge design
- Delivery system design
- Trim sourcing
- Extraction contracts



### Produce

#### Infused Product Manufacture

Commercial Manufacturing Facility producing Cannabis Infused edibles, beverages, topicals and medicines

- Manufacturing Facility design
- Product Formulation
- Edibles
- Topicals
- Capsules & Tablets
- Liquid Medications
- Brand Development
- Packaging and delivery systems
- Manufacturing Contracts
- Team Recruitment

## Or discover our turnkey Solutions:



*I was initially referred to Justin at Rhizo Sciences to consult on a 100,000 square foot grow operation, and was impressed by his expertise and his own gardens. When we saw the Rhizo Labs turnkey extraction and infused product manufacture packages we knew we'd found the right cannabis business model for our team - Paul Tetzlaff - Pacific Coast Leasing*

# Turnkey Cannabis Solutions

**Launching a successful cannabis business can be overwhelming. We've distilled our expertise into simple turnkey packages to help entrepreneurs easily enter new markets with confidence.**

We offer 3 turnkey cannabis production solutions to help you rapidly launch your new business and brand into the market place without needing to spend years researching, testing, designing and building your business.

**Rhizo Gardens**, lets you grow high potency medical or recreational strains at high yield with optimal infrastructure utilisation to maximize your return on investment.

**Rhizo Lab**, lets you extract, refine and purify cannabis concentrates for use in vape cartridges, and other products, or for infusion in cannabis edibles, topicals and medicines.

**Rhizo Kitchens**, lets you manufacture cannabis-infused edibles (such as candy, sweets and baked goods), topicals (such as creams and lotions) and medicines (such as tablets, capsules and liquids).

**Speak to us today about how to get started with your own cannabis production facility.**

## Need Finance?

**Full package finance is available on turnkey solutions.**

(\*available to approved applicants via our finance partners;).



## From Plant to Product

Our turnkey systems cover the entire range of cannabis cultivation, extraction and product manufacture to help you quickly enter the most profitable and fastest growing sectors of the cannabis industry.

# Enter the Industry with confidence

Building a profitable cannabis business requires more than just growing plants and watching the cash roll in. To succeed you need high production yields and the right business model and go-to market strategy.

Get a head start on your competition with our rapid rollout turnkey cannabis solutions. Don't get caught producing the same commodity product as 100 look-alike competitors.

Implement a complete business model including supply chains, production, branding, marketing, distribution and multiple revenue streams.

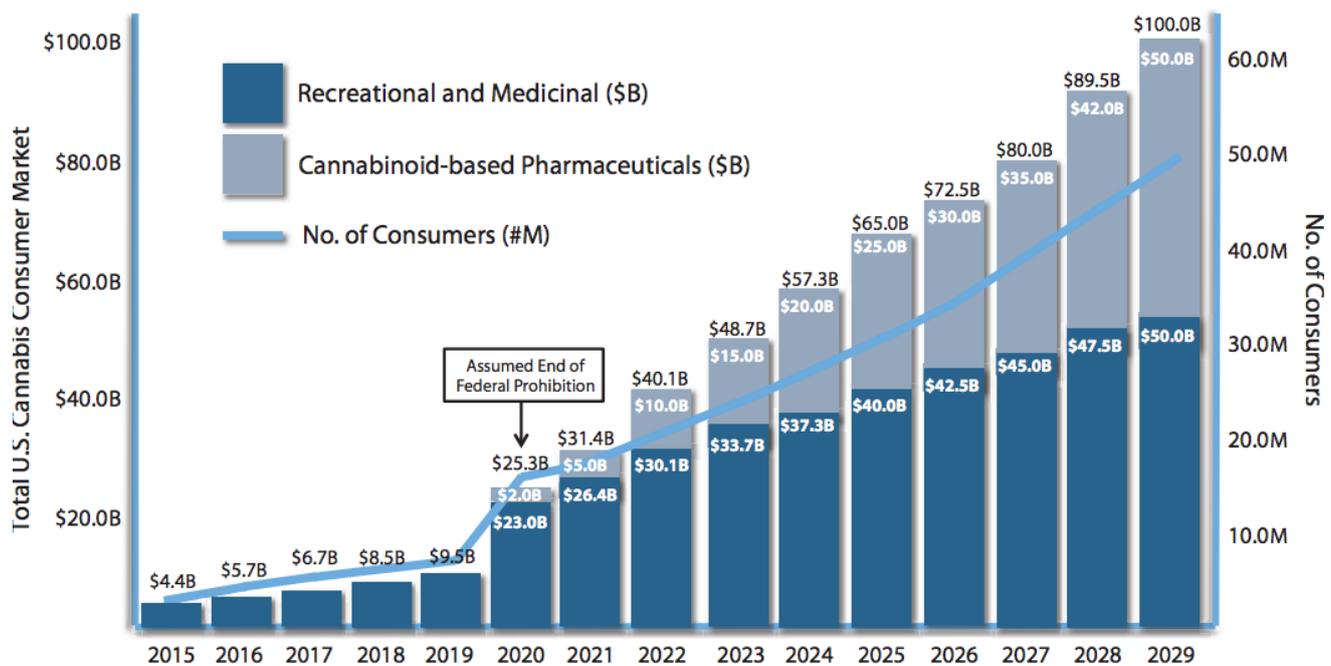
Whether you are building a boutique cannabis brand or a large scale medical facility, our proven systems can help you invest in the rapidly growing medical or recreational cannabis industry with ease, speed and confidence.



## “The Green Gold Rush”

### Total U.S. Cannabis Consumer Market: Including Pharmaceuticals

#### \$100B Market by 2029 with 50M Consumers



Source: Ackrell Capital estimates. See Chapter IV: U.S. Cannabis Market Estimates.



*We believe that it is a question of when - not if - the federal prohibition on cannabis will end .... Therefore, we believe that there is a potential \$100 billion market for cannabis. A broad range of investment opportunities exists both now and in the future for sophisticated investors who are willing to take significant risks.*

- Ackrell Capital Cannabis Investment Report 2016

# Short time to market is key to profit

Cannabis is the fastest growing industry since television and the internet. With such rapid growth and strong investment, being first to market and building capability and market share are essential to maximise your return.

Developing any new business takes time, but particularly when you are working in a highly technical field with strong competition for technical experts.

Don't waste months or years reinventing the wheel only to go to the market as prices slump.

Build for speed and scalability our cultivation, extraction and manufacturing solutions let you focus on the fundamentals of good investment, while we leverage our experience, contacts and proven systems to bring your product to market in a fraction of the time.



## Investment to revenue in 3 months

**Our turnkey solutions are designed for rapid rollout and market entry. Once location, building and licenses are secured we can have you up and running within as little as 12 weeks (once license and premises are secured).**

**Sample timeline:**

**Week:**

- 1: Consult & Plan**
- 5: Deliver & Install**
- 6: On Site Training**
- 7: Formulate Products**
- 10: Package Products**
- 12: Distribute & Sell**



*For Cannabis Entrepreneurs and Investors who are wary of slow, expensive and unpredictable business development systems, Rhizo Sciences turnkey solutions help you develop new Cannabis production facilities without lengthy delays, expensive consultants, or uncertain outcomes. - Justin Khuu - CEO Rhizo Sciences*

# Create your own branded products

**Cannabis flower is now a commodity and simple grow operations have to compete on price to sell their crop. Developing your own brand and value adding through processing let you sell at a premium to a growing market.**

As cannabis industry pioneers we've watched cannabis cultivation transform - from easy cash-cow in the early days to a highly competitive primary production industry today.

We've seen which business models work best for quick profits and long term sustainable return on investment, and packaged these as turnkey production facilities.

Today, the smart money is focussing on high tech cultivation to lower production costs and value added processing to create branded concentrates, edibles, topicals and pharmaceuticals.

Our turnkey solutions let help you implement a complete high-margin business model including supply chains, production, branding, marketing and distribution.

Leveraging best practices developed in early legalisation markets such as Colorado and Washington we will help you identify and enter the most profitable markets with value added products.

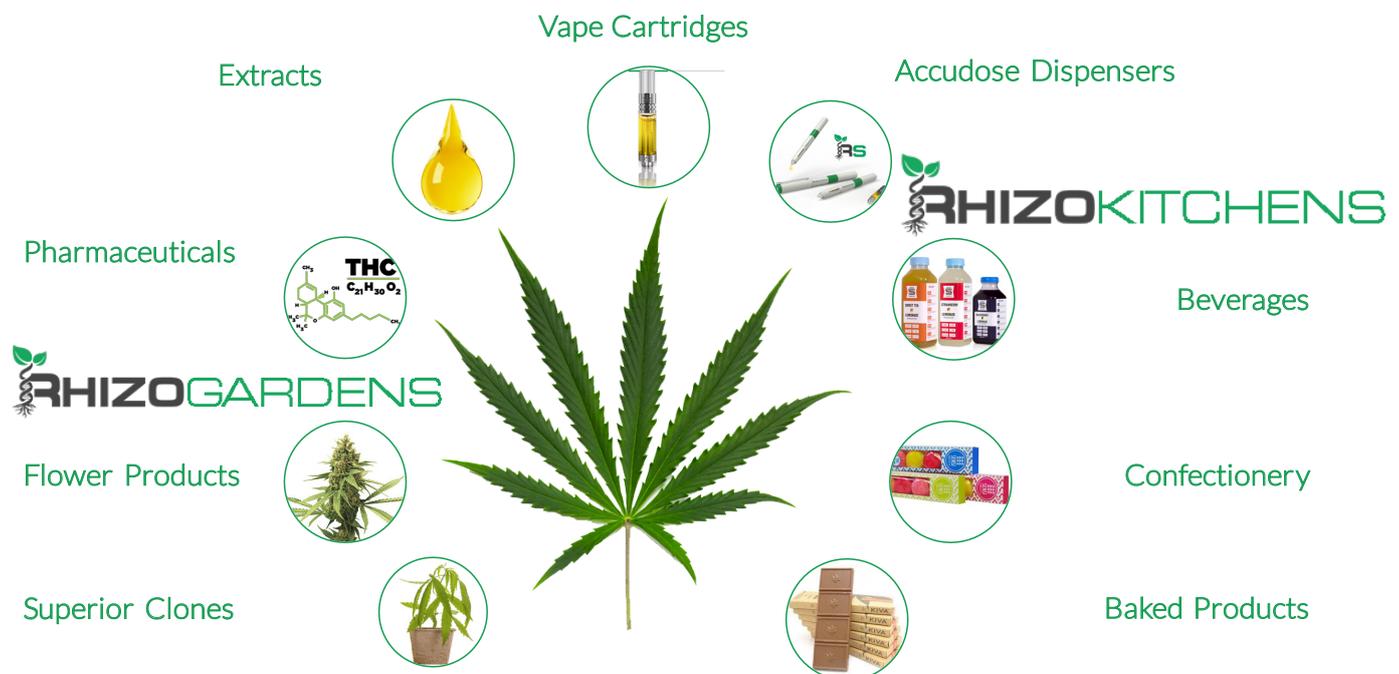
Our innovative product range and unique delivery systems help you get your establish early market share and build customer loyalty to take advantage of the growing medical and recreational demand.

Create your own range of valuable cannabis products and sell to wholesalers, retailers or direct to consumers.

Alternatively manufacture for leading national brands via our partnership with Herban Goods.

**Choose the product and branding that works best for you: grow clones, harvest flower, produce concentrates, vape cartridges, edibles, topicals or even beverages.**

## Product Ecosystem



## Develop Your Own Cannabis Product Ecosystem

Our turnkey systems cover the full range of Cannabis production business models, whether you want to grow cannabis plants, extract high grade concentrates, or develop your own branded edibles, topicals or medicines.



# Cannabis Cultivation Solutions

Cannabis Cultivation, Harvest and Production Systems



Grow

## High Yield Cultivation

High Performance Cannabis Growth Operations utilizing Under Current hydroponic technology



# High Yield Cannabis Cultivation

**Our company roots are in high yield indoor cultivation facilities. We own, operate and consult on some of the most productive medical and recreational grows, routinely doubling average industry harvest yields.**



Achieving long term profitability while minimising risk with large scale cannabis operations requires optimized growing conditions, a scientific approach and standardized environments and growing regimes.

Our proven systems and strain specific cultivation protocols ensure we achieve maximal harvests while preventing common crop problems, pests and diseases.

We've worked in a range of medical and recreational regulatory environments so can design the most productive system give your license constraints.



## Under Current PRO<sup>®</sup> Team

### Under Current Pros

Rhizo Sciences **Under Current Pro Team:** preferred installation partners and consultants for the Counter Culture Under Current deep water hydroponic system.

Widely regarded as the top performing grow system, Under Current is perfect for intensive indoor or greenhouse growing operations producing high potency medical cannabis.



### Guaranteed Yields\*

We grow using the Counter Culture Under Current system exclusively because of the strong, healthy root systems, plant growth and superior yields we achieve.

When combined with our harvest management system and perpetual harvest regimes our grow operations systems routinely double industry average yields. In fact, we're so confident we provide a yield guarantee.

“ Justin and his team at Rhizo Sciences really KNOW the Current Culture system. We're confident recommending Rhizo Sciences as Under Current PRO Team installers for anyone wanting to get the best performance from the system: from new growers to large commercial operations - Christian Long - Current Culture H2O



# Turnkey Grow Operations

**Due to demand for our grow consulting expertise (we've clocked up over 10,000 hours), we've developed the ultimate cannabis cultivation solution and packaged it into a simple, scalable turnkey cannabis grow**

Whether you have a license for 20 plants, 200 plants, or want to establish a 100,000 square foot commercial facility, our turnkey grow solution **Rhizo Gardens** can help you quickly and confidently establish your own high yielding top grade cannabis cultivation facility.

We've spent 7 years perfecting indoor growing and achieve industry-leading yields using the Under Current deep water hydroponic system combined with strain specific growing protocols to maximise your long-term ROI.



# RHIZO GARDENS

Profitable cannabis cultivation operations require extensive planning, preparation and attention to detail.

It's more than just putting all the pieces together - it comes down to the right processes that ensure optimum performance at every stage of the growth and processing.

Our turnkey grow system includes our proven step by step process for establishing and operating an indoor or greenhouse cultivation facility that delivers consistent high yields with lower costs.

Ask to see one of our successful grow operations or speak to our clients.



“ I have worked and partnered with Justin on several grow facilities. Our latest project was my own 30,000SF \$4.5 million production facility. Justin's connections alone helped us secure 1500 clones and 20 high yielding strains within our 15-day window. I'm always blown away by how fast he can make things happen on short notice. - Tony Tran - Grassroots Pharm



# Cannabis Cultivation Consulting

With 7 years expertise in cannabis cultivation including large scale commercial operations we specialize in intensive growing systems that can double harvest yields and triple profits over traditional approaches.

We specialize in Under Current deep water hydroponic systems which are renowned for producing strong, healthy vigorous plants that produce high yields.

Our Rhizo Gardens Turnkey grow operations are ideal for installations up to 5,000 square feet (200 lights) either indoors or in greenhouses.

The modular design means they can easily scaled to 100,000 feet or more for large scale commercial operations.



*We'd invested in Under Current technology to establish the State's largest grow operation but my growers were struggling to get the most from the system - Rhizo Sciences quickly put things on track for a record harvest - Consulting Client*



## Facility Design

Indoor and greenhouse cannabis cultivation facility design optimized for maximal harvests for your license



## Hydroponics

We design and install under current hydroponic systems that can deliver up to 15 lbs per year per light



## Lighting

Indoor lighting design and regimes to deliver high yields and shorter crop cycles to produce 5 harvests per year



## Strain Selection

Grow top performing high potency that are in greatest demand in medical or recreational cannabis markets



## Yield Optimisation

Dial in the perfect growing conditions specific to your strain and facility to produce bumper crops



## Perpetual Harvest

Keep your growing space, facility and team at maximal productivity with perpetual harvest strategies

# Cannabis Extraction Solutions

Cannabis Extraction, Refinement and Product Manufacture Systems



Extract

**High Potency Concentrates**

Supercritical CO2 Cannabis Oil  
Extraction Laboratories to produce  
high grade concentrates



Extract

# Cannabis Oil Extraction

Cannabis concentrates are the fastest growing product sector - these potent extracts can be consumed orally or by vaporizer, or infused into Cannabis infused edibles, topicals and medications.



Rhizo Sciences has knows extraction. We use proprietary processes to extract, refine and purify high grade cannabis concentrates including:

- CO2 Cannabis Oil
- Butane Hash Oil (BHO)
- Rick Holland Oil (RHO)

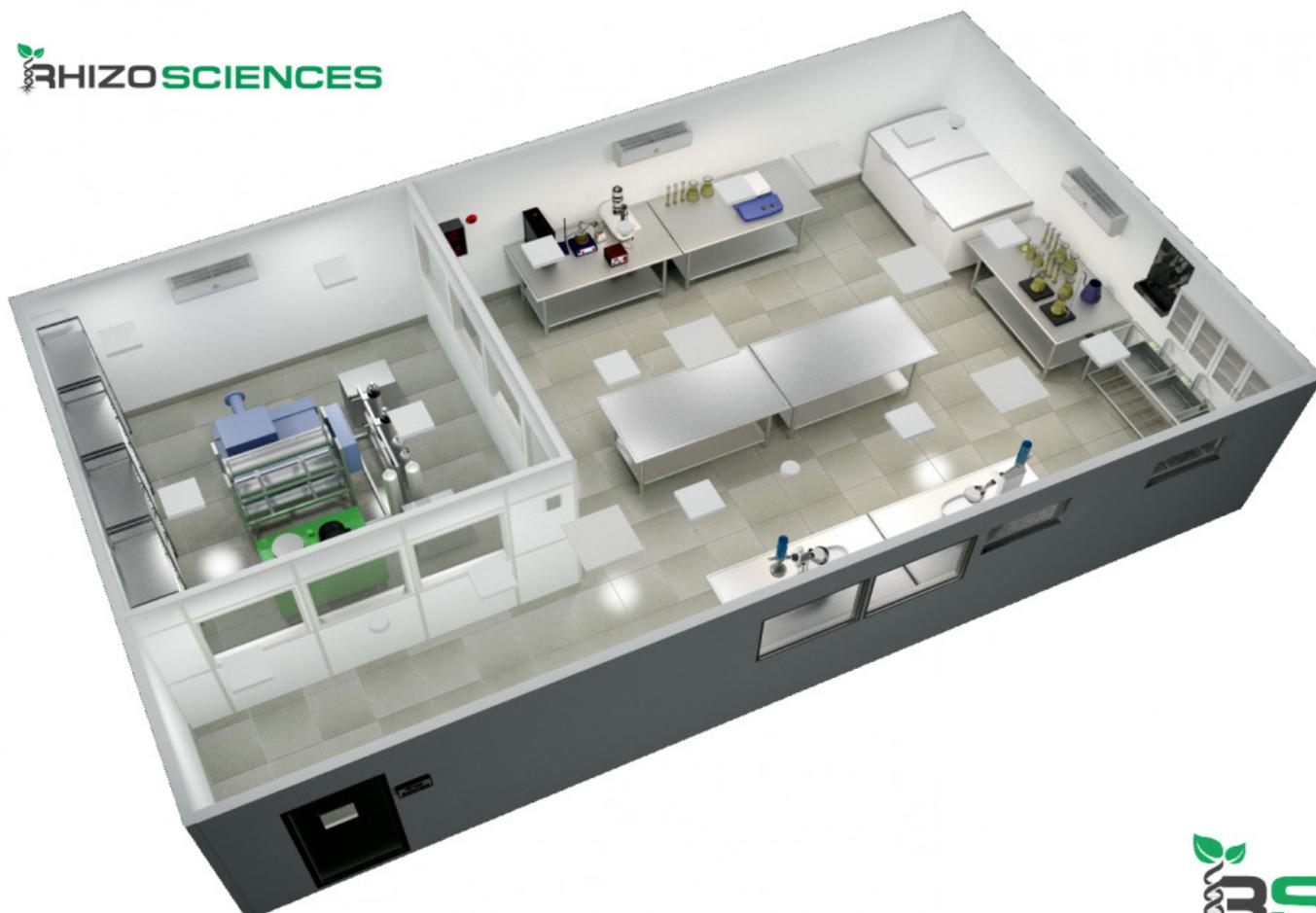
Our clean CO2 extraction process produces a superior product without harsh solvents: a great tasting, clear golden oil ideal for vape cartridges, dabbing and edibles.

Our unique process retains natural cannabis terpenes resulting in a natural cannabis flavor preferred by consumers.



*These definitely taste like heaven compared to what they sell at most dispensaries! I've tried others and they have a horrible taste. Some taste to me like butane and dirt . The color is golden, the high is 5 stars too. - Medical Cannabis Patient*

## Cannabis Extraction, purification and manufacturing laboratory facility





Extract

# Turnkey Extraction Laboratories

We've distilled our expertise in cannabis oil extraction and refinement into a turnkey system designed to help you develop your own extraction laboratory, business and brand quickly and easily.

We've spent 3 years and hundreds of thousands of dollars developing the best cannabis concentrates, vape cartridges, and medical cannabis delivery systems.

Leverage our success to launch your own branded cannabis vape products and concentrates, or manufacture leading national brands under license.

Our turnkey laboratory solution includes consulting, equipment, training, product formulation, branding and distribution.



*We spent 3 years researching and developing a great tasting CO2 vape oil product and cartridge system. Once we finally perfected it we created Rhizo Sciences to share it with producers, patients and consumers. - Justin Khuu - Rhizo Sciences*



# RHIZO LABS





Extract

# Extraction and Product Consulting

Do you want to enter the highly profitable cannabis oil extraction market? Whether you want to produce high grade concentrates or develop novel extracts with unique flavor or pharmacology, we can help



CBD, CO2, and RSO 1g Oil Shots exclusively available with the AccuDose Pen

Cannabis oil extraction using supercritical carbon dioxide and advanced purification is the foundation for clean, safe and affordable cannabis concentrates, medicines, edibles and topicals.

Our technology is ideal for producing great tasting vape cartridges, concentrates and purified THC and CBD products for the medical and adult use markets.

We also consult on extraction process, product formulation, and delivery device development.



*As both a shop owner and a vape cartridge user I can say that this is without a doubt one of the best cartridges I have come across. It's stylish and functional - obviously crafted with quality and the oil inside was a delight. The test for me is not the initial hit but after the pen and cartridge has been in my pocket and bumping around in my car. There was no leakage problem and the first draw tasted the same as the last with no burning or awful taste towards the end of the cartridge. The oil itself was smooth and tasty full of terps and a nice buzz. I seriously need to get another one now! - Dispensary Owner*



## CO2 Extraction

Extract purified cannabis, THC or CBD oils and concentrates free of harmful solvents using clean CO2 technology



## Post Purification

Distill great tasting clear golden oil preferred by dispensaries, patients, retail outlets and consumers



## Product Formulation

Blend or infuse pure cannabis extracts to create unique concentrates, edibles, topicals, and medicines



## Cartridge Design

Package your oil into premium cartridges that don't leak or clog, or develop custom cartridge systems



## Delivery Systems

Sell your oil in cutting edge delivery systems for convenient and discrete medical or adult consumption



## Brand Development

Develop your own product range range of branded concentrates, edibles, topicals or medicines





# Cannabis Product Innovation

Rhizo Sciences can help you design, develop and manufacture your own branded cannabis product range, including flower, concentrates, edibles, topicals or medicines.

As the Cannabis industry investment grows and the greatest profits lie in value added products and developing consumer oriented brands.

We've designed and developed cannabis brands for some of the most successful businesses in the country.

As well as traditional products we've been leaders in developing innovative new products such as dosed delivery systems and unique package solutions.

Rhizo Sciences can help you bring your cannabis brand or product concept to life and to market.



*We brought in Rhizo Sciences to help us develop a vape cartridge that exceeds all others in our market and we could not be happier with the results. Thank you for a great working experience and helping us create, in my humble opinion, the best cartridge in Washington: Omega Pure. We look forward to the next project. - Damon Shelton - Cleo Cannabis*



## Cannabis, Concentrates & Medicines

**Branded Cannabis products, concentrates and pharmaceuticals are quickly taking the place of generic cannabis in dispensaries and stores, making brand development essential.**



CBD and THC Capsules



Herban Gold CO2 Oil  
Triple refined pure CO2 oil with a perfectly balanced natural terpene injection.



Custom Glass Packaging

We offer our clients an array of high quality display packaging for their product.



CBD Topical Lotion

Topical made with natural compounds infused with CBD allows for effective localized pain, soreness, and inflammation relief.



Precision Dosed Oil Applicator

Precise dosing and safety is standard on all of our products, backed by analytical testing.



# Turnkey Manufacturing Facilities

Manufacture branded cannabis edibles, topicals and medicines with your own commercial cannabis product manufacturing facility. Create your own product range, or choose from our "done for you" brands.

Cannabis infused edibles, topicals and medicines are the fastest growing sectors in the industry, and offer the greatest potential for long term profits.

Our turnkey commercial kitchens let you produce cannabis (or THC or CBD) infused candy, sweets, brownies or beverages as well as creams, lotions and other topicals.

Create your own unique product range or even become a contract manufacturer for leading national cannabis brands hungry to enter your market.



# RHIZOKITCHENS

*As the industry moved forward there has been many challenges to principal players to stay engaged and remain relevant. With cutting edge technology and cutting edge design Jt's has created a blueprint and a vehicle to accomplish success in this emerging and lucrative cannabis industry. - John Judd - Nice Buds*

## Cannabis Edibles, Topicals & Beverages

Value-added consumer oriented products such as candy, confectionery and baked goods are the fastest growing industry segment. Topical cannabis products are also an emerging market.



Cannabis Infused  
Chocolates & Candy



Brownies, Cookies  
& Baked Goods



Cannabis Infused  
Confectionery,  
Sweets & Gum



Cannabis Infused  
Beverages & Drinks



Topicals, Lotions  
& Creams

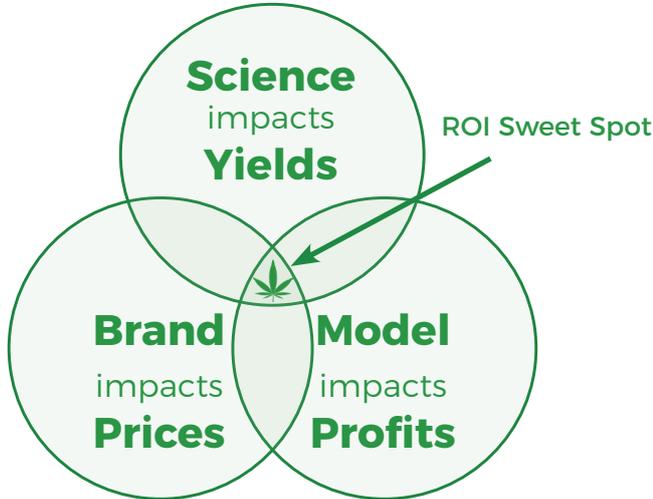


# Cannabis Business Consulting

Business

To succeed in today's competitive, high tech Cannabis industry great science is essential - but it isn't sufficient. You you need a successful business model, brand, and go to market strategy

## Factors Impacting Cannabis Business Performance



We consult on large scale commercial cannabis operations, help successful companies to scale, and have often been called in to "fix" struggling operations.

After more than 10,000 hours expertise in the industry, we've learned a lot about what makes some businesses successful, while others struggle.

To optimize the commercial performance of (technology, genetics and people) to deliver high yields, a strong brand to attract premium prices, and a solid business model to deliver profits and rapid return on investment.

“ JT was the most reliable and consistent consultant we've used and we've always appreciated his wisdom, honesty, and support. He's been a true asset to our business and we continue to use his expertise as we venture in the recreational world of cannabis. - Chris Guthrie - Canna Pi Dispensary



### Product Innovation

Develop new products or innovate upon proven success stories to establish market share



### Customer Relations

Build a brand that buyers love to quickly enter your market and build a loyal following



### Business Models

Design a winning business model and clarify your value proposition, customer base and revenue streams



### Market Selection

Identify the most promising markets by location or customer base before investing in licenses or facilities



### Contract Manufacture

Have your product manufactured by our partner processors to quickly enter new markets



### Distribution & Sales

Get your brand on the shelves and to consumers through our wholesale and retail distribution networks



# Trusted Industry Advisers

## Advisory

**Our success in the industry is a result of building and maintaining strong relationships with trusted partners with deep expertise across the entire medical and recreational cannabis business ecosystem**

Our capability and connections reflect our own growth from the early days of the medical industry to large commercial grow operations and product development.

As a Rhizo Sciences client you gain an extensive network of industry partners to guide you in developing a successful cannabis business.

These are businesses we trust and rely on for advice, insight, and expertise.



**Under Current PRO® Team**



“ There are only 3 people in the cannabis industry I trust with anything. JT is definitely on that list. Thank you for always being a true professional and looking out for my best interest. - Colleen O’Roarke - Marley 420



### Licensing

Apply for state and city grower and processor licenses for medical or recreational markets



### Technology

Invest in the most efficient and reliable technology to achieve rapid and sustainable ROI



### Team

Recruit talented cannabis business team members for your growing, processing or retail business



### Superior Genetics

A successful cultivation operation begins with your genetics - we can help you identify and source the best



### Clone Sourcing

Bring your grow operation to full production quickly with vigorous clones of proven strains



### Supply Chains

Source plant material or concentrates for manufacture concentrates, edibles, topicals or medicines=



# Go to Market Strategy

## Strategy

The biggest mistake most cannabis producers and investors makes is assuming that producing a bumper crop of high potency medical or recreational cannabis is the hard part.

After a decade in the Cannabis industry, we've seen many talented people come... and go. Your brand strategy, product line, market positioning, partnerships and distribution channels are all just as important as your production facility.

Our expertise in marketing and distribution combined with our extensive network of suppliers, partners and retail outlets means we can guide your cannabis company up for commercial success.

From little things... big things grow.



## “ Sell your crop before it hits the market

In Stores Now

**GRIZ KUSH**

Hybrid | Sativa + +



**HARLEQUIN**

Hybrid | Sativa | CBD + +



**JACK FLASH**

Indica | Sativa + +



Available: June 23rd  
Current Stage: Curing Chamber

**ALIEN OG**

Hybrid + +



**BLUE DREAM**

Hybrid | Sativa + +



**BRUCE BANNER #3**

Hybrid | Sativa + +



# Sales, Brand and Investor Enquiries

**Are you a cannabis entrepreneur, investor or brand? Discover the fastest growing and most profitable sectors of the industry: value added products such as concentrates, branded edibles and pharmaceuticals.**

Cannabis is already a \$5 Billion+ Industry and is projected to hit \$50 Billion by 2025 in the USA alone.  
(<https://www.newcannabisventures.com/ackrell-capital-forecasts-100-billion-cannabis-market-in-2029/>)

At Rhizo Sciences we specialise in turnkey extraction laboratory systems designed to help you:

- Extract and process your own high grade clear golden cannabis concentrates
- Develop your own premium branded vape oil cartridges or concentrate products
- Create purified THC or CBD pharmaceuticals in tablet, capsule or liquid form
- Develop unique new products such as edibles, topicals and even beverages
- Build a scaleable business with high margins and growing demand

We're currently accepting applications from entrepreneurs and investors with established licenses and premises with budgets of \$1M+ to build their own processing facilities and become our manufacturing partners.

Our turnkey laboratory packages include extraction and processing equipment, systems, training, product formulation and branding. We can also design your own unique brand or connect you with successful brands seeking contract manufacturers.

We're also accepting applications from established cannabis dispensaries and brands wanting to develop interstate markets, as well as pharmaceutical, food and beverage companies wanting to enter the medical or recreational cannabis industry.

For solid ROI, proven systems and a flexible, scaleable, sustainable business model then contact Rhizo Sciences today.

**Finance and JV opportunities are also available including full turnkey package finance to approved applicants.**

**Register your interest at our website today:** [www.RhizoSciences.com/apply](http://www.RhizoSciences.com/apply)



**Justin "JT" Khuu**  
Founder and CEO

Contact for Brand and Partner Enquiries.

 [admin@rhizosciences.com](mailto:admin@rhizosciences.com)



**Dallas McMillan**  
Sales & Marketing

Contact for Sales and Investment Enquiries.

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## Turnkey Cannabis Solutions

Rapid Rollout Cannabis Cultivation, Extraction & Product Manufacture

### Contact Rhizo Sciences

Phone: **+1 (909) 90-RHIZO:**

Email : **admin@RhizoSciences.com**

Web : **www.RhizoSciences.com**



### Discover our Turnkey Cannabis Solutions

Contact us now for more information on our turnkey cultivation, process and manufacturing solutions. Limited opportunities for exclusive product lines and manufacturing contracts are available in each state.



#### Grow

##### High Yield Cultivation

High Performance Cannabis Growth Operations utilising Under Current hydroponic technology



#### Extract

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