



# Invest In The Future of Farming Technology

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[www.edengrowsystems.com](http://www.edengrowsystems.com)

"THE OFFERING MATERIALS MAY CONTAIN FORWARD-LOOKING STATEMENTS AND INFORMATION RELATING TO, AMONG OTHER THINGS, THE COMPANY, ITS BUSINESS PLAN AND STRATEGY, AND ITS INDUSTRY. THESE FORWARD-LOOKING STATEMENTS ARE BASED ON THE BELIEFS OF, ASSUMPTIONS MADE BY, AND INFORMATION CURRENTLY AVAILABLE TO THE COMPANY'S MANAGEMENT. WHEN USED IN THE OFFERING MATERIALS, THE WORDS "ESTIMATE," "PROJECT," "BELIEVE," "ANTICIPATE," "INTEND," "EXPECT" AND SIMILAR EXPRESSIONS ARE INTENDED TO IDENTIFY FORWARD-LOOKING STATEMENTS. THESE STATEMENTS REFLECT MANAGEMENT'S CURRENT VIEWS WITH RESPECT TO FUTURE EVENTS AND ARE SUBJECT TO RISKS AND UNCERTAINTIES THAT COULD CAUSE THE COMPANY'S ACTUAL RESULTS TO DIFFER MATERIALLY FROM THOSE CONTAINED IN THE FORWARD-LOOKING STATEMENTS. INVESTORS ARE CAUTIONED NOT TO PLACE UNDUE RELIANCE ON THESE FORWARD-LOOKING STATEMENTS, WHICH SPEAK ONLY AS OF THE DATE ON WHICH THEY ARE MADE. THE COMPANY DOES NOT UNDERTAKE ANY OBLIGATION TO REVISE OR UPDATE THESE FORWARD-LOOKING STATEMENTS TO REFLECT EVENTS OR CIRCUMSTANCES AFTER SUCH DATE OR TO REFLECT THE OCCURRENCE OF UNANTICIPATED EVENTS. YOU SHOULD READ THE OFFERING CIRCULAR"



# **Invest in Hope. Invest in the Future. Invest in Eden Grow Systems.**

Eden Grow Systems (EGS) is a state of the art agricultural technology company and official “NASA Spinoff Company”\* on a mission to provide food independence to local communities around the world — and beyond it. Our modular farming systems are empowering individuals, families, and businesses to innovate local food production that will allow them to easily grow their own food, wherever they are.

Source: <https://spinoff.nasa.gov/Astronaut-Life-Support-for-Earth-Families>

**NASA**



## THE PROBLEM

With the global population expected to soar to 9.8 billion by 2050,\* feeding the world is becoming an increasingly daunting challenge. The devastating effects of climate change combined with an alarming dependence on a fragile and ecologically-damaging global supply chain leaves the future of our food hanging in the balance.

- Competition for land and water between industrial and farming sectors is at an all-time high.
- One third of all land is now classified as highly or moderately degraded and unsuitable for sustainable farming.

# Global Food Security Is in Jeopardy

Sources:

<https://www.un.org/en/desa/world-population-projected-reach-98-billion-2050-and-112-billion-2100#:~:text=COVID%2D19-,World%20population%20projected%20to%20reach%209.8%20billion%20in%202050%2C%20and,Nations%20report%20being%20launched%20today>

<https://yaleclimateconnections.org/2022/01/un-report-the-worlds-farms-stretched-to-a-breaking-point/#:~:text=Similarly%2C%20the%20quality%20of%2013,deforestation%2C%20and%20decreasing%20water%20availability>

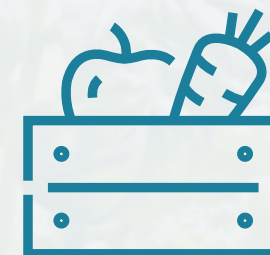


# Growing Demand for Grow Solutions

1

## Gardening and Individual Farming Stats

Growing produce at home is steadily growing in popularity. 55% of American households engage in gardening activities. 67% are growing or planning to grow edible plants, including vegetables (52%), herbs (33%), and fruits (31%).



<https://www.rubyhome.com/blog/gardening-stats/>

2

## Grow Systems Demand

The global smart indoor garden market size is expected to reach \$243.3M by 2030 and register a revenue CAGR of 8.2% during the forecast period.



<https://www.emergenresearch.com/industry-report/smart-indoor-garden-market>

3

## We're Satisfying the Market Demand

Our grow towers can grow anything from leafy greens to cannabis and have incredible results. We see a 143% increase in annual output as compared to other hydroponic systems due to our advanced aeroponic technology.



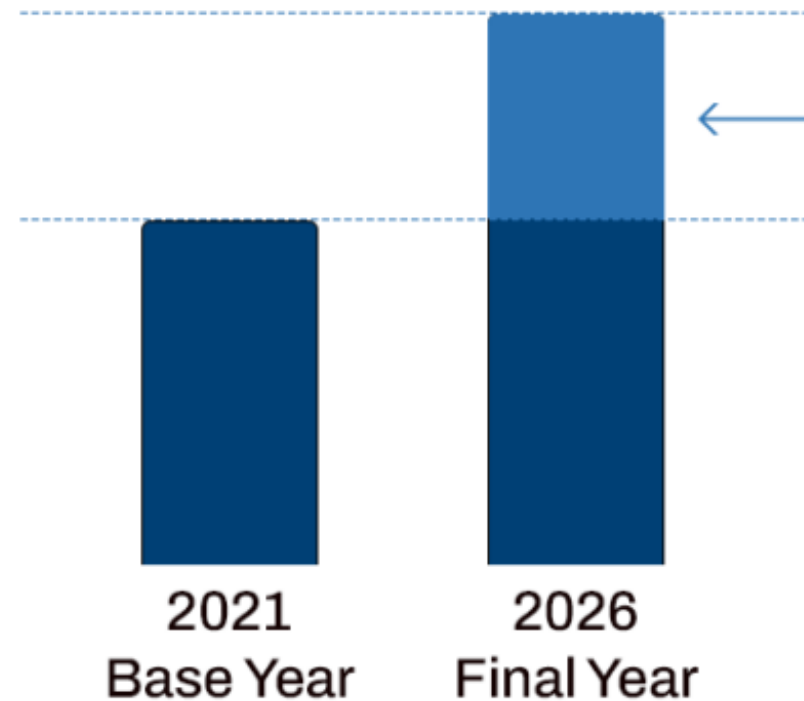


## GLOBAL MARKET FOR INDOOR GARDEN SYSTEMS 2022-2026

CAGR of (2021-2026)



**8.15%**



**Growth in Dollars**  
(base year - final year)

**\$899.39** Million



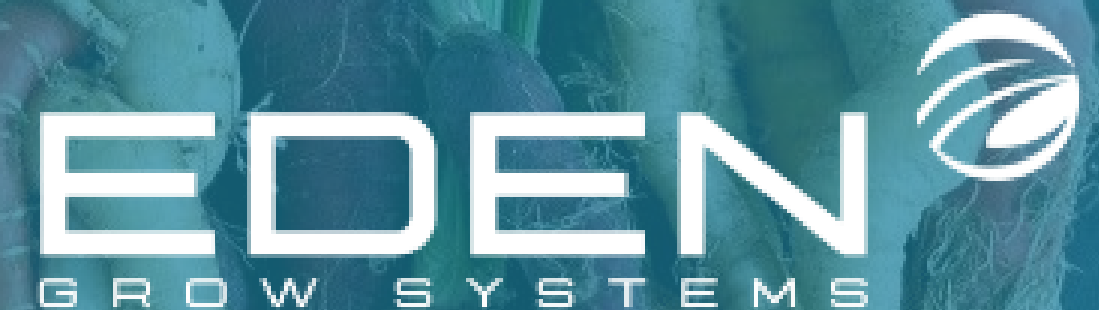
**41%**

of the growth will originate from  
**North America**



## Space-Age Farming Made Simple and Affordable

It's time to return the power and economic benefits of localized food supplies back to people and communities. Expertly designed by aerospace engineers to operate with unprecedented efficiency and virtually zero waste, Eden Grow Systems' modular farming towers use groundbreaking aeroponic technology to grow food in self-contained systems indoors, eliminating the need for soil or farmland. This space-efficient, cost-effective, and hassle-free alternative is perfect for anyone and saves space, time, and energy.





# Invest in helping grow the best plants for the betterment of humanity.



## Rooted in Science

Our aeroponic technology allows plants to grow up to twice as fast as hydroponics, while using less water, less fertilizer, and zero pesticides. All this is driven and validated by a team of plant scientists in our world leading aeroponic research center.



## Grounded by Ethics

Eden Grow Systems exists to make positive & lasting change that leaves no one behind. This is reflected in every choice we make, from the products we build and the partnerships we foster, to how we engage with people and our planet.



## Trusted by the Best

Don't take our word for it. The Kennedy Space Center, U.S. Air Force, Feed the Future, and a number of leading agricultural universities, such as Texas A&M and New Mexico State University, are using our towers.



# Major Collaborations

These are just a few of our major collaborators that are helping ensure we have the latest technology to facilitate food independence.



## Texas A&M University

Genetic research in crops like potato, sweet potato, strawberry, and cannabis



## North Dakota State University

Food and medicinal nutrition research



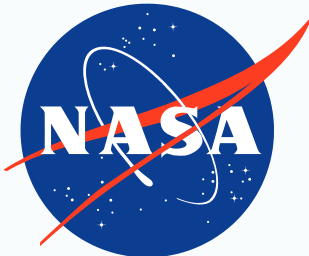
## Feed The Future

Uses EGS in global human disaster relief and educational programs worldwide



## New Mexico State University

Food quality research



## NASA

Continues to coordinate and fund aeroponic research



# Advanced Aeroponic Technology

Compared to other growing systems, our advanced aeroponic technology puts us ahead by reducing time, water, energy, and nutrient needs. Eden Grow Systems are versatile, scalable, efficient, environmentally-conscious, cost-effective, and intuitively designed using NASA-derived science to make growing accessible and successful for anyone.



## Grow Anything

Most extensive variety of grow options, including integrated protein generation for holistic food production



## Grow More, Faster

22% accelerated growth  
35% higher yields  
143% increase in annual output



## Grow Healthier

No pesticides, herbicides, or land degradation



## Save Water

98% less water compared to traditional agriculture  
30% more efficient with nutrients



## Save Time

Requires only five minutes a day  
Decreases human labor by 75%



## Save Money

\$0.85 cost per harvested plant



# Invest in Eden Technology

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Large-scale indoor farming operations are failing because of increased costs in energy.

At Eden Grow Systems, we address this by using the aeroponic technique, which is more energy efficient, and we've created a system that anyone, no matter their experience level, can use. Our system gives users full access to the entire spectrum of crops including root vegetables and berries. We believe technology shouldn't just be innovative, but value-giving and easily usable.



## The EGS Future

**Built to last over 10 years, Eden Grow Systems is ready to meet the demands of the growing market with a sustainable solution.**

- Robust product roadmap with family of solutions including: SaaS monitoring and control system, digital farmers market, patent-pending fully integrated mobile and stationary food and energy production system for terrestrial and non terrestrial use.
- Eden is positioned to begin worldwide operation with projects in Ukraine, Mexico and Africa.
- Chosen for the U.S. Air Force and Space Force for deployment at their most remote bases on earth and the Air-Force Academy, including a phase-1 award of \$50k and \$1M direct-to-phase-1 award.

# The Future



# Better Food, Better World



## Invest in the Environment

- Our efficient approach makes us carbon negative, leaving a positive impact
- Our systems reduce agricultural water by 98% compared to traditional agriculture



## Invest in Communities

- Empower disadvantaged communities to be food independent, no matter where they are
- Create stable jobs to fuel local economies



## Invest in the Future

- Enable government support programs to assist communities
- Support the farm-tech of the future powered by NASA



# Low-Risk Precision Growing

Users can grow food year-round, regardless of environmental conditions, with no pesticides, herbicides, or fertilizers in a system that is carbon-negative and sustainable. They produce organic, locally-sourced, and environmentally-friendly fruits, and vegetables.

The ET-Series of Grow Towers are the only commercial systems capable of growing a wide profile of plants: microgreens, berries, grapes, herbs, hemp/cannabis, tomatoes, peppers herbs, leafy greens, potatoes, and many more.





# WHY WE'RE BETTER THAN THE REST

Currently Indoor Farming is experiencing a major bust as companies are failing. Eden identified four major flaws in indoor farming in 2017 that has served as the roadmap of the problems we sought to solve and the reason behind these other indoor farming start up failures.

1

## We Didn't Stay In The Box

Eden's systems are modular, mobile, adaptable, and scalable so that the end user would have the most flexibility in how they would deploy and use our systems.

2

## We Consider Energy Use

Our systems are the most energy efficient farming systems a person can buy. Most of the indoor farming companies ignore the energy component. Eden sees this as the most fundamentally important cost to consider in the operation of these systems.

3

## We Design For Everyone - Not Just Experts

Our goal has been to bring these systems to communities in need around the world and in every environment. Our systems are simple and intuitive so people with no prior experience in operating them can grow successfully.

4

## We Use Aeroponics

Our farm operates at the end of the supply chain. Our grow systems utilize NASA-derived aeroponics to last the longest amount of time without resupply. Aeroponics is the least expensive and most effective way to grow.



# OUR SOLUTION

## 1. Aeroponic Efficiency:

- Eden Grow Tower: 22% faster growth, 35% higher yields than hydroponics. With the Eden Standard™ Priority Grow Method, get 143% more annual output and up to 300% better space utilization compared to traditional gardening.
- Energy-efficient solution surpassing hydroponics.
- Lower recurring costs compared to in-ground growing.

## 2. Year-Round Growth:

- Cultivate crops year-round, in any climate, breaking free from seasonal constraints.
- Small footprint design for easy setup and operation.
- Seamless roll-in, plug-in, add seed, water, and start growing.

## 3. Enhanced Value:

- Unmatched value-added features at a competitive price point.
- In our family of products there is Integrated Protein Generation (Aquaponics capable).

## 4. Scalability and Versatility:

- Scalable design catering to individual growers and large commercial operations.
- Extensive variety: Grow an extensive range of food and medicinal plants.



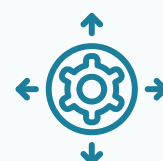


# Competitive Differences



## Resource efficiency

We use aeroponic technology reducing time, water, energy, and nutrient needs.



## Accessibility and ease

We accommodate novices and pros with user-friendly interfaces, while our competitors may require specialized expertise or existing knowledge.



## Environmental impact

Our efficient approach renders us carbon negative, leaving a positive footprint.



## Cost

Everyone cares about the bottom line. Our aeroponic method costs \$0.85 per harvested plant compared to approximately \$3.00 with our competitors.



## Crop variety

Our grow towers provide the most extensive variety of options. Grow it all: cannabis, leafy greens, root vegetables, berries, microgreens, flowers, plant starters and protein.



## Features

Eden Grow Systems are designed for ease-of-use, instant deployment, modularity, and made to last for years to come.



# Faster Harvests, Higher Yields, Lower Costs, and Fewer Risks

Comparative Analysis	Enhanced Aeroponics	A sampling of a few Hydroponic Companies			
	EDEN GROW (AERO)	AEROGARDEN INC. (HYDRO)	LETTUCE GROW LLC (HYDRO)	BABYLON FARMS LLC (HYDRO)	OMEGA GARDEN LLC (HYDRO)
HERITAGE	A NASA SPINOFF LEADING EDGE AGRITECH				
PLANTS/CYCLE	96 TO 324	24	36	240 MICRO	80
ANNUAL COST OF A HARVESTED GREEN LEAFY PLANT	\$1.31 - \$0.39	\$3.65	\$2.89	\$5.21	\$3.23
HARVESTS/YEAR	25	12	12	12	12

**22%** accelerated growth, **35%** higher yields + The Eden Standard's = a **143%** increase in annual output, using 30% less nutrients

Only Eden Grow Systems produces every type of green leaf vegetable, root vegetables, berries, microgreens, medical cannabis, and edible flowers, at the lowest cost with the proprietary optimizing *Eden Standard*.

**Always Food**, for your family, community, or business from your Eden Garden.  
**For the Future**, a solution with a 10-year life expectancy, cultivating an abundance of crops, plants, and protein.



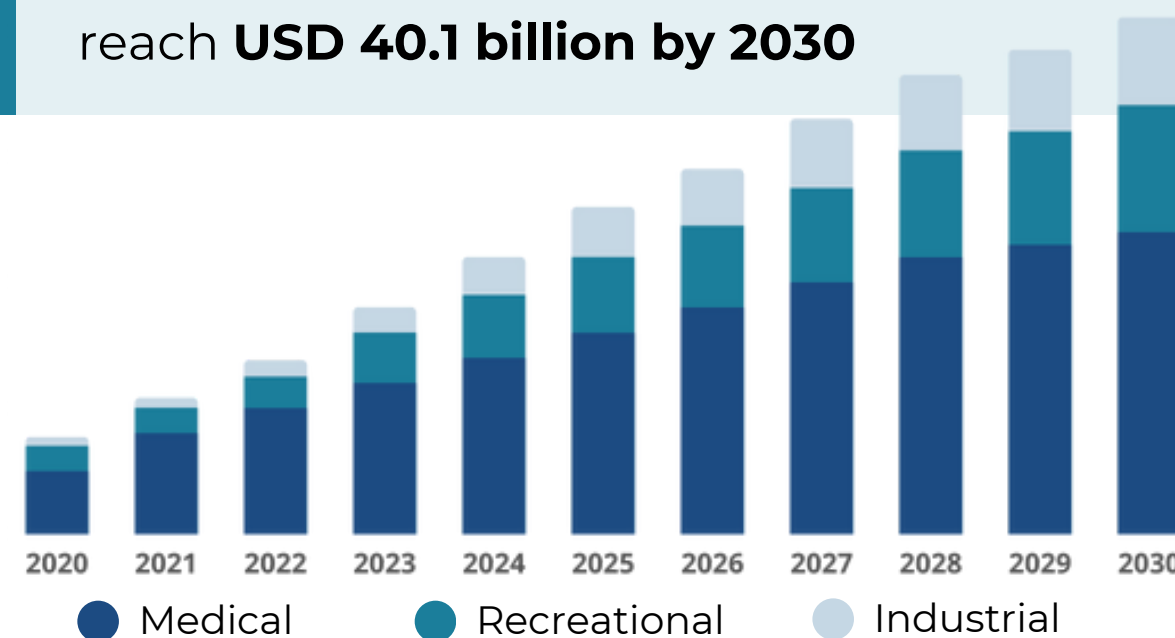
## THE OPPORTUNITY

# Eden Grow System. Perfect for Emerging Cannabis Industry.

### The Cannabis Market is Booming:

The U.S. Cannabis market size was **USD 13.2 billion in 2022**

The U.S. Cannabis market is expected to reach **USD 40.1 billion by 2030**



**U.S. Cannabis Market**  
size, by end-use, 2020-2030 (USD Billion)

Source:  
[www.grandviewresearch.com](http://www.grandviewresearch.com)

## THE TREND

### WHY Eden Grow System is Perfect Now

#### Consumer Demand for Quality

The U.S. cannabis market is expected to grow at a compound annual growth rate of 14.2% from 2023 to 2030 with greatest growth focused on quality cannabis.

#### Cannabis Medical Applications

The greatest growth is the medical (high quality) cannabis sector, as seen in the elucidating U.S. cannabis market data to the left.

#### Craft Beer? Craft Cannabis

Like the beer industry, the cannabis industry is bifurcating into the craft cannabis and mass-produced cannabis, with emphasis on quality craft cannabis.





## CASE STUDY CANNABIS

# Grow Quality Craft Cannabis At Scale.

### Craft Cannabis is forecast to be big.

Quality craft cannabis market share could rise to 50% as local growers compete with larger multi-scale operators.

**The Eden Grow System is perfectly suited to both the small farmer who wants to scale and the big-league operators who seek to maximize efficiency.**

The cannabis market opportunity growth is evident, but requires the right expertise.

Eden's enhancement of NASA technology advances expertise, facilitating empowerment that resonates with growers. Cannabis farmers can now overcome their bureaucratic frustration and thrive.

**96**  
Grow Days

**Eden Grow System benefits are outstanding:**

Lower labor and material costs.



Faster and greater yields.



Highest quality cannabis outcomes.



Tower pays back in one harvest.





# Meet the Executive Team



**L. Barton Womack**  
CEO



**Jeff Raymond**  
CTO / COO



**Ivan Garcia**  
CFO



**Mike Sayler**  
VP of Production



# Board of Directors



## Leo Womack

Leo Womack, a Houston business leader with over 30 years of experience, invests in exceptional people and companies. As the CEO of Ramsey Financial Group, he manages a diverse investment portfolio for his family trust, which includes real estate, oil/gas, medical devices, agriculture, and other industries. With his expertise, Leo advises and directs business models and start-ups, ensuring their success.



## Meagan Crawford

An entrepreneur, business educator, space industry pioneer, experienced executive, and investor, Meagan has taught, coached, and advised hundreds of space startups through their earliest stages – including some of the current generation of successful companies. She is managing partner of SpaceFund, a venture capital firm investing in space startups and sits on the board of directors of numerous space companies and non-profits. A leading advocate for women in space, she is also the host of the “Mission Eve” podcast.



## Kim Petersen

Kim Petersen is a seasoned financial advisor. Having spent nearly 35 years as Managing Director at JPMorgan Chase in Houston, she is widely recognized for her strong relationship-building, analytical, strategic, and communication skills. Throughout her career, she has achieved significant milestones by developing and managing new business operations, while providing valuable financial and wealth strategies to entrepreneurs, charitable organizations, and ultra-affluent individuals.



## Tim Teuscher

Tim Teuscher is a highly experienced professional who spent twenty-five years as a Partner at a Big Four consulting firm, specializing in advising global supermajor oil & gas clients. Throughout his career, he held numerous leadership roles, including Oil & Gas Sector Leader, Business Unit Leader, and Global Coordinating Partner, demonstrating his strong management and strategic capabilities. With a degree from Harvard Business School and active involvement in the Harvard Angels Network, Tim brings a wealth of knowledge and expertise to the table.



## Thirza Duensing

A creative, results-driven leader, uniquely capable of capitalizing on the intersection of sales, marketing, and corporate partnership strategy. With 15+ years of cross- industry experience, delivering consistent explosive sales growth, opening multimillion-dollar channels, and engaging new B2B, B2C, and B2G on a global scale. Pivotal in multiple start-ups and first-mover launch initiatives, with proven go-to-market expertise, applied to crucial decisions for rapid results, influencing a diverse range of commercial and government clients. Champions the transition of operations to scale, defining tools for control and performance standards while optimizing internal cross- functional and external professional services collaboration.



## Ngũ Morcho

Ngũ Morcho is an accomplished entrepreneurial executive with a diverse background spanning over 20 years. With expertise in C-suite leadership, general management, project development, venture capital, product development, and sales & marketing, Ngu has successfully navigated various industries in both the US and Africa. Notably, he has made significant contributions in areas such as digital health, medical devices, pharmaceuticals, and ophthalmology within the non-profit sector. As a US military veteran, Ngu is driven by a passion for leveraging impact finance and technology to create innovative projects, products, and markets that deliver value-based care to underserved communities.



## Dougal Cameron

Dougal Cameron is the CEO of Cameron Management, a Houston-based real estate ownership and management company. He also serves on the board of Hines Global Income Trust, a global real estate public company. With a strong background in founding and leading successful companies, Dougal brings valuable expertise and strategic guidance to the board. He holds a Bachelor's degree in Accounting from Texas Tech University and an MBA from Harvard. Dougal actively participates in various Houston civic organizations and serves as a Governing Board Member of the Prison Entrepreneurship Program.



# Strategic Advisors



## Dr. Gary Stutte

Dr. Gary Stutte is a plant physiologist who has worked with biological systems for space at NASA's Kennedy Space Center in Florida since 1992. Dr. Stutte was a principal investigator on NASA's Biomass Production Chamber, a multi-level test-bed, designed to demonstrate the feasibility of using plants as bioregenerative life support systems. Since retiring, he has been serving as the Chief Scientific Advisor for Eden Grow Systems.



## Dr. Amit Dhringa

Dr. Amit Dhringa is a professor and the Head of the Department of Horticultural Sciences at Texas A&M University. He leads a program focused on genomics and biotechnology. Before joining Texas A&M, he held positions as graduate faculty in four programs at Washington State University: Horticulture, Molecular Plant Sciences, NIH Protein Biotechnology Training Program, and MS in Agriculture.



## Dr. Kalidas Shetty

Dr. Kalidas Shetty is the Founding Director of the Global Institute of Food Security & International Agriculture (GIFSIA) and a Professor of Plant Sciences at North Dakota State University. His research interests revolve around metabolic innovations aimed at regulating plant redox-responsive secondary metabolites. Additionally, he explores microbiome-based bio-transformations for climate-resilient agriculture and food systems, with direct relevance to addressing global public health challenges.



## Dr. Aruna Weerasooriya

Dr. Aruna Weerasooriya is a distinguished professor and serves as the Chair of the Department of Plant and Environmental Sciences at Prairie View A&M University, part of the College of Agriculture and Human Sciences within the Texas A&M University System. Through his work, he contributes to advancing knowledge and understanding in areas such as plant biology, environmental sustainability, and agricultural practices.



## Dr. Tom Kelchner

Dr. Tom Kelchner is an experienced Managing Partner with a proven track record in the consumer services industry. He possesses a wealth of expertise in secondary education, educational consulting, lesson planning, educational technology, and instructional design. Additionally, Dr. Kelchner is a strong business development professional, holding a Doctor of Education (Ed.D.) degree with a focused specialization in Educational Administration. His minor field of study includes Computer Education & Cognitive System, which further enhances his capabilities in the field. With a combination of practical experience and academic achievements, Dr. Kelchner is a versatile and accomplished professional in the realm of education and business.



## Rick Harlow

Rick Harlow is a recognized leader with 25 years of experience in business development and technology projects across various industries including energy, defense, telecom, software, transportation, federal government, and finance. He is a high-energy, action-oriented change leader known for developing and executing successful strategies that drive growth, enhance performance, and increase revenues. Rick has a proven track record of building strong relationships at all levels of an organization and has extensive experience working with advanced stage technology companies. He is a strategic leader accredited by Forbes, Bloomberg, and Gartner, with expertise in new market identification and navigating dynamic and demanding environments.



## Steve Morrow

Steve Morrow has been appointed as the President and CEO of Insitu Inc., a subsidiary of The Boeing Company. With a strong background in leadership and extensive experience in the defense industry, Morrow is well-positioned to guide Insitu in its growth and innovation as an industry leader in unmanned airborne systems. His previous roles in Boeing, including leading long-range weapons programs, demonstrate his advanced customer knowledge and expertise in managing large, diverse teams.



# Eden's Projected Milestones for 2023

- » Initiate reg CF offering
- » Initiate tower manufacturing in the greater Houston area
- » Initiate living food pantry/grow center with Precinct 2 and Feed The Future Foundation
- » Initiate commercial grow operations in Houston



- » Deploy Grow Systems to Ascension Island with the 45th airway
- » Begin expanded research initiative with Dr. Stutte at Kennedy Space Center
- » Launch collaboration with Space Center Houston and Texas A&M at Johnson Space Center for interactive grow exhibit





# Use of Funds

BASED ON 6-MONTH BUDGET

RegCF - Offering Costs, Campaign Marketing Expense	<b>\$299,300</b>
Move/Expand Production - Houston	<b>\$200,000</b>
Existing payables	<b>\$157,000</b>
Long Lead Part Procurement	<b>\$80,000</b>
Product Development	<b>\$50,000</b>
Business Development & Marketing	<b>\$211,300</b>
Working Capital	<b>\$242,400</b>
<b>Total</b>	<b>\$1,240,000</b>



# Contact Us

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**Leo Womack, CPA**

**Executive Chairman**

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## Phone

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