



JKTECHNO FARMING LLP

JKTECHNO FARMING LLP stands at the forefront of agricultural innovation, specializing in hydroponic, aeroponic farming solutions. Established with a vision to revolutionize farming practices, we are dedicated to providing state-of-the-art equipment and services that cater to both hobbyists and commercial growers. Our product range includes Hobby Greenhouses, Hydroponics Grow Towers, Aeroponic Equipment, and a diverse array of greenhouse parts and accessories. Beyond equipment, we engage in the trading of high-quality seeds and fertilizers, catering to a wide spectrum of agricultural needs. With a commitment to sustainability and efficiency, JKTECHNO FARMING LLP is not just a company; it's a Pioneer of the future of farming, blending technology with nature to yield better, more bountiful crops.



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B-3 TECH.ZONE, Sector-59, industrial Area, opposite JCB INDIA, Ballabhgarh - 121004 Faridabad, HARYANA, IN.

INNOVATION

Smart Monitoring and Control: Implement sensors and IoT (Internet of Things) devices within your hydroponic and aeroponic systems to monitor crucial parameters such as nutrient levels, pH, humidity, and temperature. These sensors can collect real-time data and transmit it to a centralized control system.

Mobile App Integration: Develop a user-friendly mobile application that allows urban gardeners to remotely monitor and control their hydroponic or aeroponic setups from anywhere. Users can receive alerts, access analytics, and adjust settings on-the-go, enhancing convenience and accessibility.

AI-driven Optimization: Utilize artificial intelligence algorithms to analyze the collected data and optimize growing conditions dynamically. AI can adjust nutrient dosages, lighting schedules, and environmental parameters to maximize plant growth and resource efficiency.

Modular and Scalable Designs: Design modular hydroponic and aeroponic systems that can be easily customized and expanded to fit various urban spaces, from small apartments to rooftop gardens. This scalability enables customers to start small and gradually expand their setups as their needs evolve.

PROBLEMS

Significant financial barriers for new entrants, particularly small-scale farmers and hobbyists.

High Initial Setup Cost



Essential for sustainability, with ongoing efforts to enhance resource efficiency.

Water and Energy Use Efficiency



The steep learning curve for newcomers requires substantial education and training.

Expertise and Knowledge Gap



Market Volatility

Price fluctuations of crops lead to financial uncertainty for hydroponic businesses.



Regulatory Hurdles

Challenges in navigating diverse regulations and standards in different regions.



SOLUTIONS WE PROVIDE

Affordable and Scalable Solutions

Offering a range of cost-effective **hydroponic equipment** tailored for different scales of operation, from hobbyists to commercial farms.

Advanced Resource-Efficient Systems

Implementing cutting-edge technology in water and energy use, significantly reducing consumption and enhancing sustainability.

Navigating Regulatory Landscapes

Expert assistance in understanding and complying with regional agricultural regulations and standards.



Expertise and Training Programs

Providing comprehensive education and support to bridge the knowledge gap in hydroponic farming.

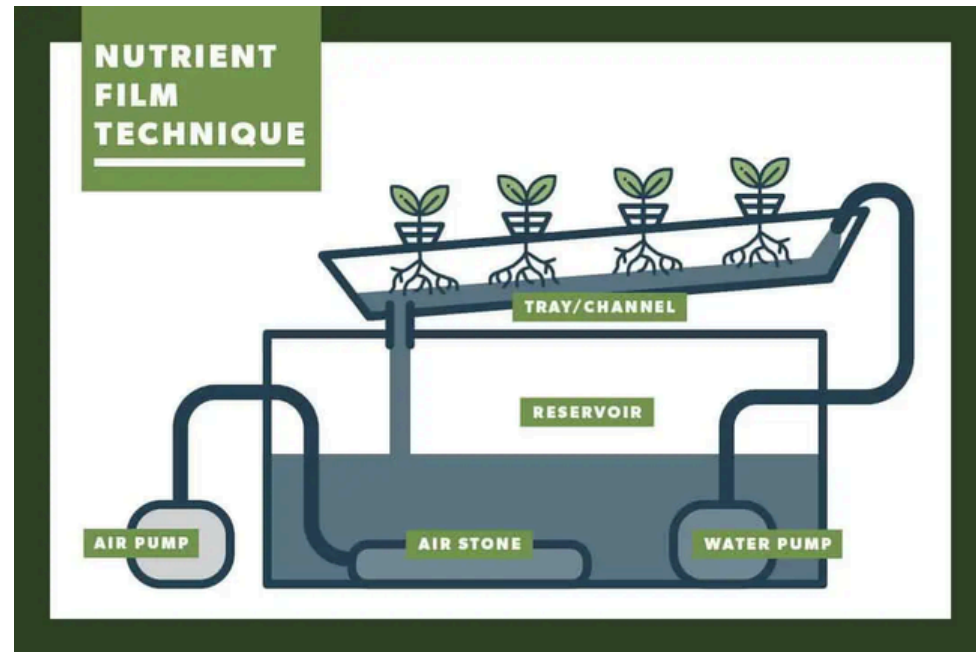
Market Stability Strategies

Leveraging market insights and partnerships to mitigate the impact of crop price fluctuations for our clients.

OUR PRODUCTS

NFT (Nutrient Film Technique) System

The Nutrient Film Technique (NFT) System is a hydroponic method that delivers a continuous flow of nutrient-rich water to plant roots, promoting efficient nutrient uptake and optimal growth in a controlled environment.



DWC (Deep Water Culture) systems

We specialize in DWC (Deep Water Culture) systems, offering innovative hydroponic solutions to optimize plant growth and yield in a controlled water-based environment.

OUR PRODUCTS



Vermiculite



Clay Balls



Vermi Compost



Bone Meal



Coco Peat Powder



Perlite



Coco Peat Block



Hydroponics

OUR PRODUCTS



Dutch bucket system

We are a leading provider of Dutch bucket systems, offering efficient and reliable hydroponic solutions for growers looking to maximize crop productivity and quality.

OUR OFFERINGS

Hobby Greenhouses

Customizable greenhouses perfect for home gardening enthusiasts.

Hydroponics Grow Towers

Space-efficient, vertical farming solutions for diverse crop types.

Aeroponic Equipment

Advanced systems for soilless plant cultivation using mist environments.

Greenhouse Parts and Accessories

A comprehensive range of components for greenhouse construction and maintenance.

Seeds and Fertilizers

High-quality, specialized seeds and fertilizers suitable for hydroponic and aeroponic systems.

Educational Workshops and Consultations:

Offering expertise through workshops and personalized consultancy services for hydroponic farming.

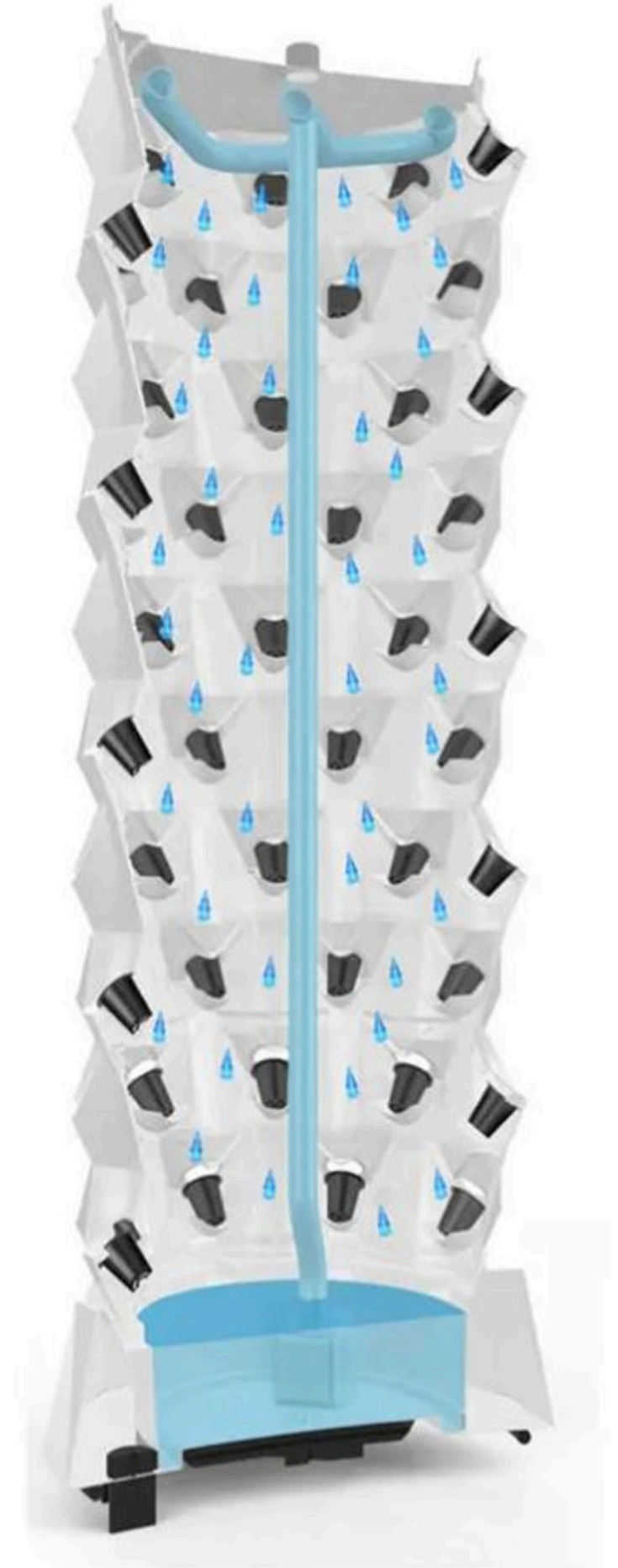
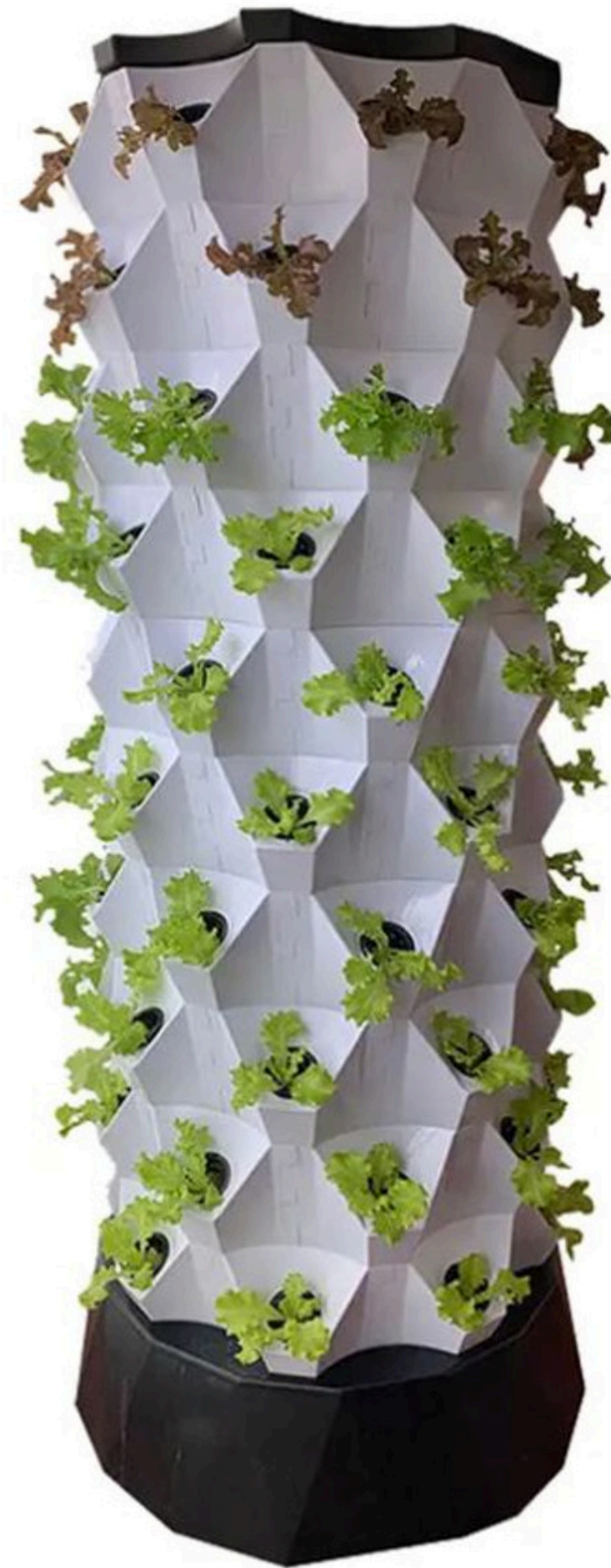


MARKET SIZE



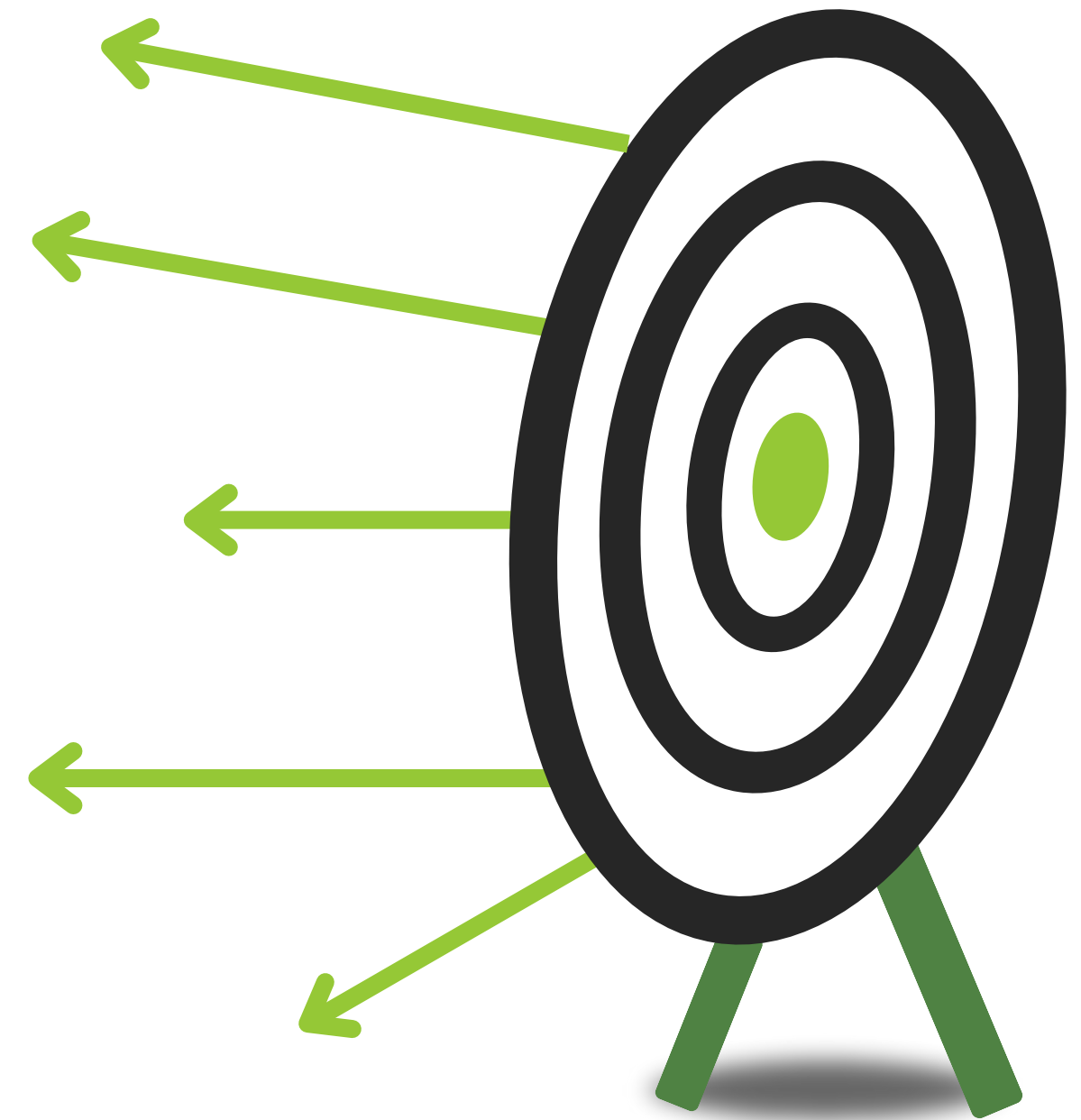
Controlled Environment Agriculture Market was valued at **US\$ 81.74 Bn.** in 2022 and is estimated to reach a value of **US\$ 157.28 Bn. in 2029.** [↻](#)

The **global** controlled environment agriculture market was valued at **USD 85.26 billion** in 2022 and growing at a **CAGR of 17.65%** from 2023 to 2032. The market is expected to reach **USD 433.19 billion by 2032.** [↻](#)



TARGET CUSTOMER

- ✓ **Commercial Agricultural Enterprises**
Large-scale farms and agricultural businesses looking for efficient, high-yield hydroponic systems.
- ✓ **Small and Mid-Sized Farms**
Local farmers seeking to modernize their farming practices and increase crop production.
- ✓ **Urban and Home Gardeners**
City dwellers and homeowners interested in sustainable, space-efficient gardening solutions.
- ✓ **Educational Institutions**
Schools and universities looking for practical, hands-on tools for teaching agriculture and sustainability.
- ✓ **Agripreneurs and Start-ups**
New entrants in the agricultural sector needing affordable and scalable hydroponic solutions.

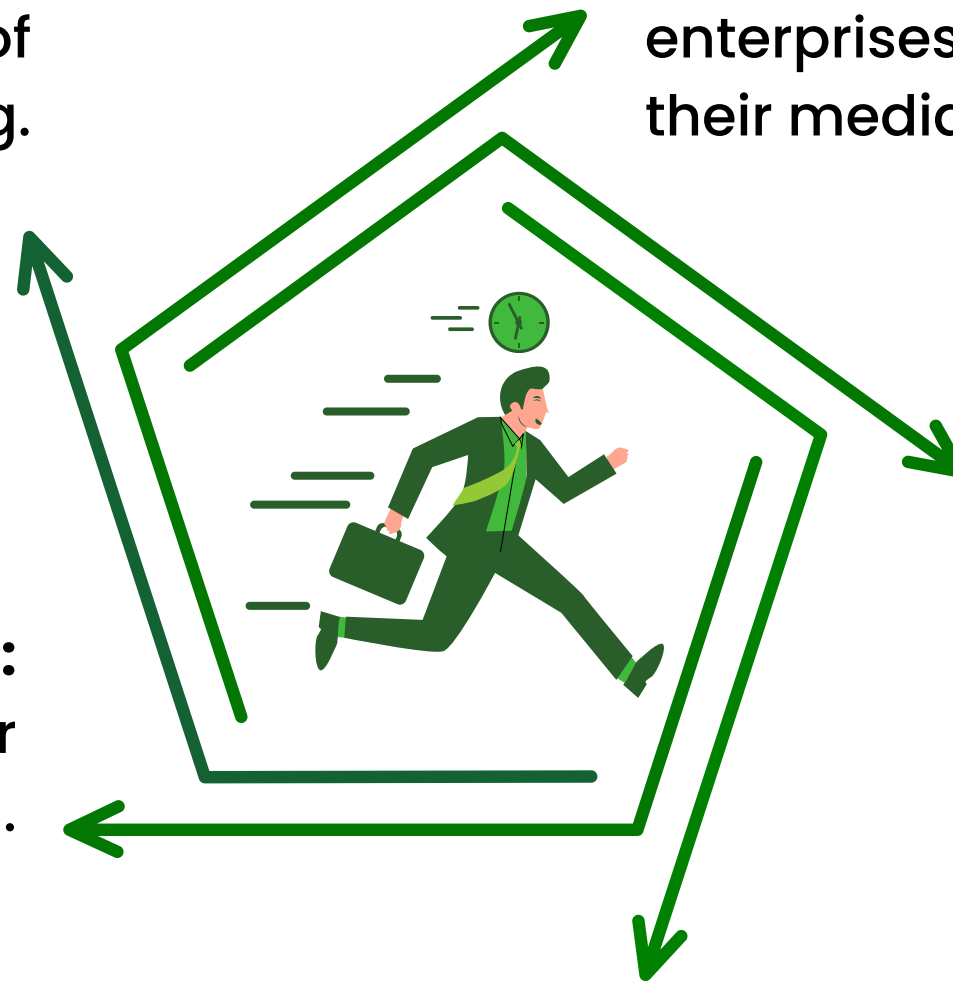


GO TO MARKET STRATEGY

Digital Marketing and Social Media Engagement:

Leveraging digital channels for brand awareness and customer engagement, focusing on the benefits of hydroponic farming.

Direct Sales to Large-scale Farms: Establishing direct relationships with large agricultural enterprises for high-end hydroponic systems & their media spare parts.



Online Retail for Smaller Consumers: Utilizing e-commerce platforms to reach urban gardeners, small farmers, and hobbyists.

Participation in Agricultural Expos and Trade Shows:

Showcasing products and innovations in major agricultural events to build brand recognition.

Partnerships with Educational Institutions:

Collaborating with schools and universities to introduce hydroponic systems and educational kits.

UNIQUE SELLING POINTS

Innovative Technology

Pioneering in advanced hydroponic and aeroponic technologies for enhanced growth and yield.

Customized Solutions

Tailoring products to meet the specific needs of different market segments, from hobbyists to commercial farmers.

Sustainability Focus

Emphasizing eco-friendly practices in all products, reducing water and energy consumption.

Comprehensive Support

Offering extensive educational and consultancy services to ensure customer success in hydroponic farming.

Quality and Affordability

Balancing high-quality equipment with competitive pricing to make hydroponic farming accessible to a wider audience.

COMPETITIVE ADVANTAGE

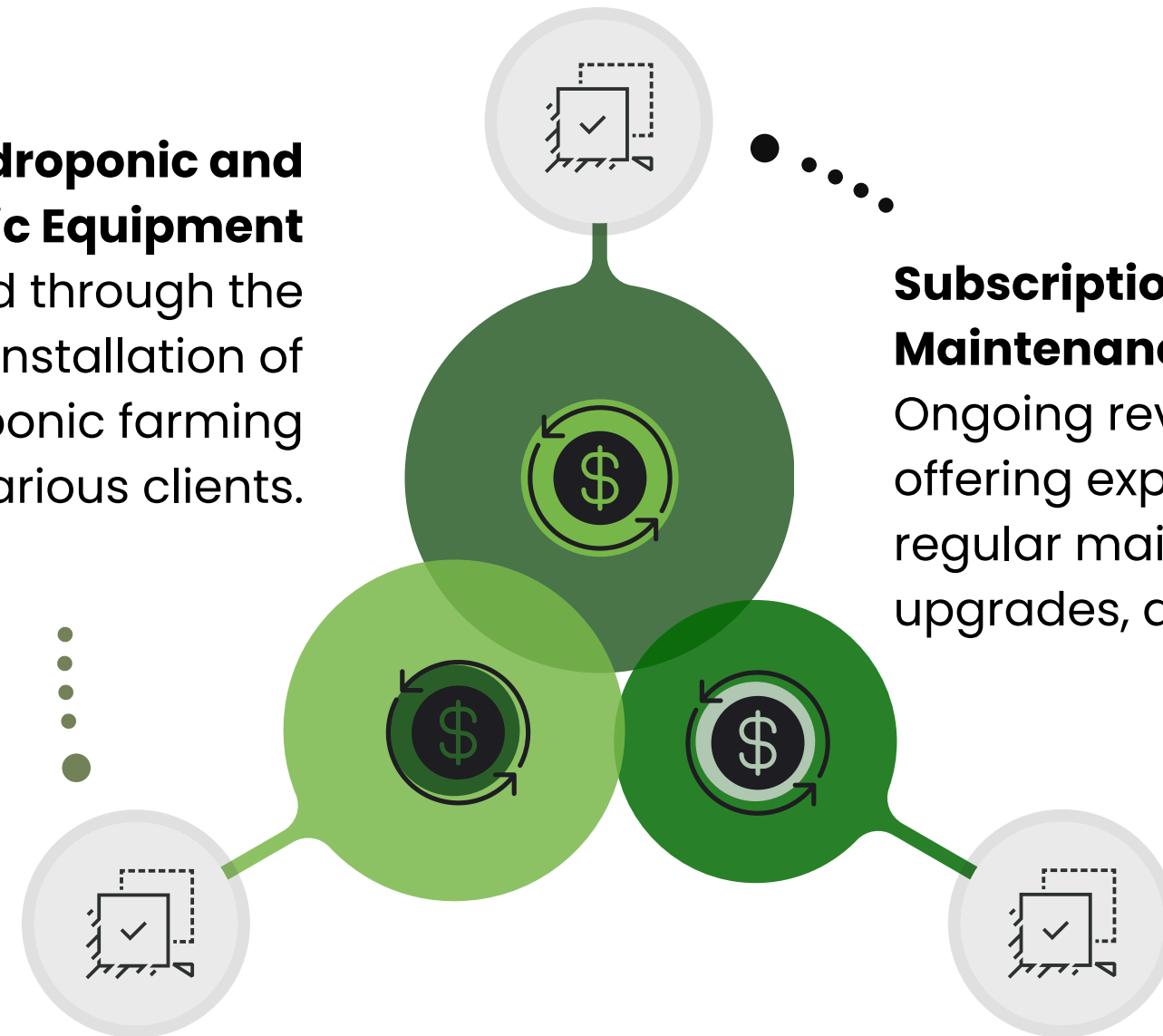
Feature	JKTECHNO FARMING LLP	UrbanFarmers	iHarvest
Product Range	Hobby & Commercial Greenhouses, Hydroponics Towers, Aeroponics Equipment, Greenhouse Parts & Accessories, Seeds & Fertilizers	Hydroponic & Aeroponic Systems, Grow Lights, Nutrients, Accessories	Modular Hydroponic Systems, Expandable Options, User-Friendly Systems
Strengths	Diverse product range, caters to both hobbyists & commercial growers, trading of seeds & fertilizers for comprehensive support	Automation focus, modular systems for scalability, strong online presence	User-friendly systems, educational resources, focus on ease of use
Weaknesses	Limited brand recognition compared to competitors, potential price competitiveness in certain segments	Dependence on online sales, limited physical presence might deter some customers	May lack advanced automation features offered by UrbanFarmers
Competitive Advantage	One-stop shop for all hydroponic needs, potential cost-effectiveness for bulk purchases, trading of seeds & fertilizers	Strong brand recognition, focus on automation and technology	Emphasis on user-friendliness and educational resources, ideal for beginners
Target Audience	Hobbyists, Commercial Growers, Experienced Farmers	Tech-savvy hobbyists, Urban growers, Customers seeking automation	Beginner hobbyists, Individuals seeking user-friendly systems

JKTECHNO FARMING LLP: Offers a wide range of products and services, catering to diverse needs. Potential cost-effectiveness and a one-stop-shop approach could be advantageous. Needs to improve brand recognition and consider physical store presence.

REVENUE MODEL

Sales of Hydroponic and Aeroponic Equipment

Revenue generated through the design, sale, and installation of customized hydroponic farming setups for various clients.



Subscription Services for Maintenance and Upgrades

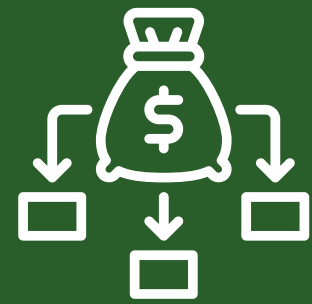
Ongoing revenue through offering expert consultation, regular maintenance, system upgrades, and support services.

Partnerships and Collaborations:

Income through strategic partnerships with agricultural companies, technology firms, and educational institutions..



AIM TO SCALE UP



Product Line Diversification

Expanding the range of products to cater to various segments, including advanced aeroponic systems and specialized hydroponic accessories.

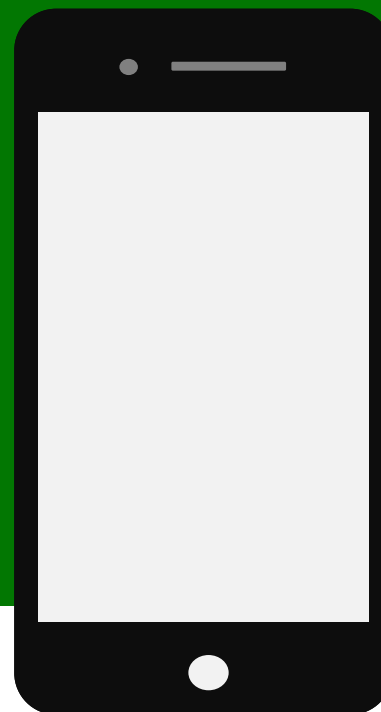


Building Strategic Partnerships

Forming alliances with key players in the agriculture and technology sectors to leverage mutual strengths.

Investing in R&D

Continuously innovating and improving products to stay ahead in technology and sustainability.

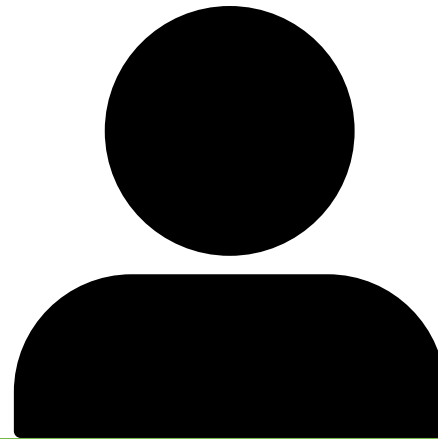


Enhancing Distribution Networks

Strengthening supply chain efficiency to ensure timely and cost-effective delivery of products.



DIRECTOR DETAIL



JAI TEWATIA

Director

Jai Kumar Tewatia, with 23 years of business experience, is a Managing Partner specializing in manufacturing electrical parts like ROTORS, Motors, and pump parts, as well as trading in ball bearings and industrial supplies.