



Integrated Hydroponics

Sustainable Growing Solutions

Complete one stop solutions for the 21st century
hydroponic farms & greenhouses projects

www.InHydro.in

Excels in the design & development of sustainable hydroponic farms for 21st century agripreneurs

Sustainable Growing Solutions

Innovative and sustainable hydroponic solutions for new age of agripreneurs

Integrated Hydroponics brings sustainable technology-based farming methods to agripreneurs. We have integrated agricultural sciences with the latest technology to produce healthy food with high nutritional value, free from harmful pesticides, herbicides, and fungicides. It's done with incredible variety, with many plants growing vertically in only a square foot of floor space.

HIGH TECH & SMART FARMS —

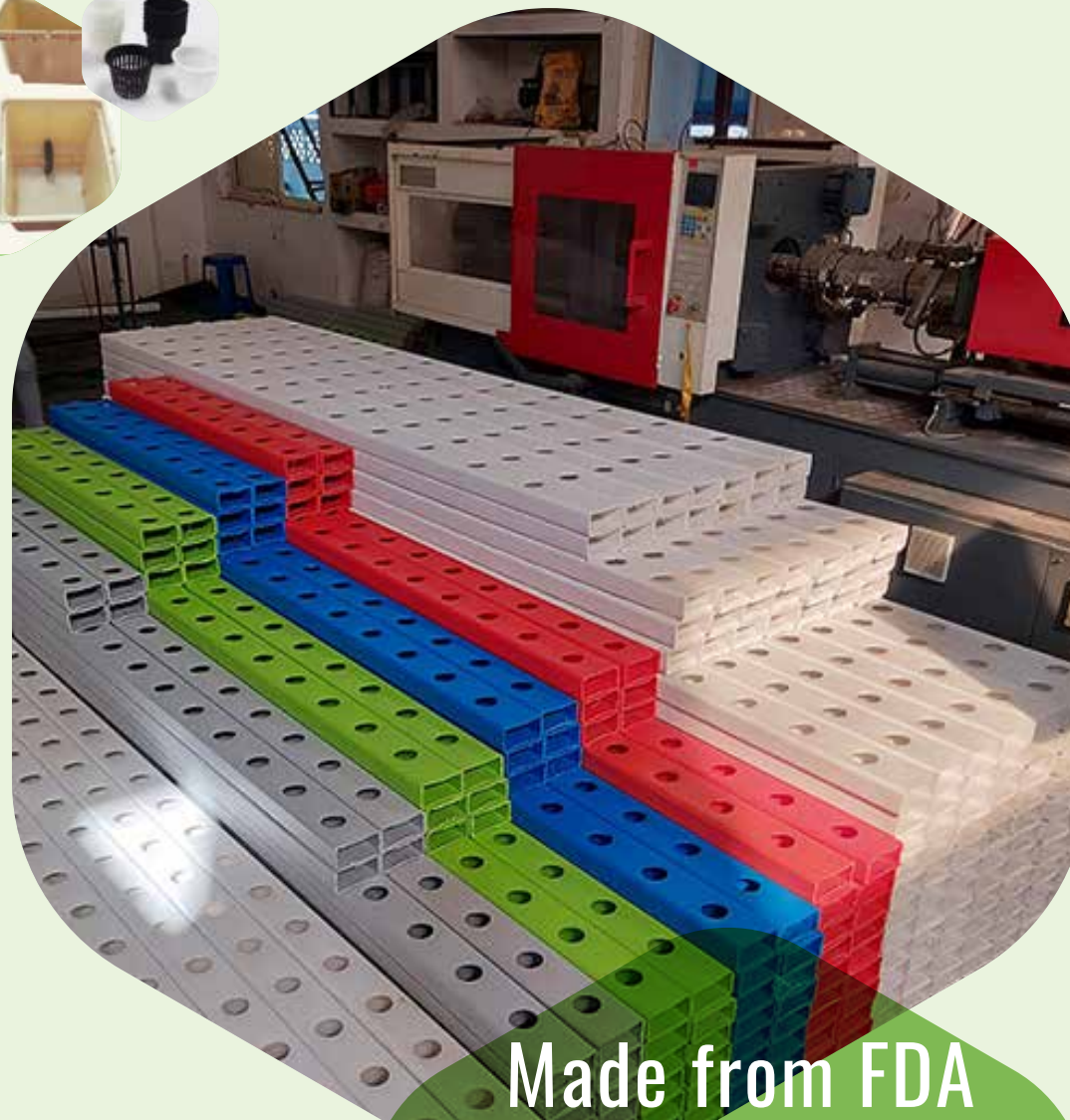
We offer complete packages of farming systems like - Hydroponics, Aquaponics, Aeroponics, Nutrients & other Greenhouse Supplies. so you'll get exactly what you need.

CUSTOM DSIGNS SOLUTION —

We offer custom designs/ solutions for lighting, controlled environment, farms, commercial farms and further business plans with our hydroponic consultation services.

BUILD — OPERATE — TRANSFER —

Unique model of Build — Operate — Transfer to assure peace of mind to our customers, working as partners to provide High Return on Investment.



Made from FDA
approved UV
stabilized 100%
virgin HDPE
(Not PVC!).

Nation's Leading Manufacturer of Food-Grade Hydroponic Products

In-House Designed and Manufactured

InHydro manufactures NFT Grow Channels and Grow Buckets with 100% FDA approved HDPE (High Density Polyethylene). Our all hydroponics products and accessories are made from top quality food grade materials.

Features:-

- Excellent stress-crack resistance and rigidity.
- High-impact strength
- Made from FDA approved, UV stabilized 100% Virgin HDPE (Not PVC!)
- Product life > 50 Years
- Made in India

Top quality materials for Hydroponics Systems

All the products of Hydroponic Systems have been designed and manufactured to optimise their functionality and are made with top quality and efficient materials, so we can build the best hydroponic system for your production.

Pioneer in Design and Development of Automated Farms for Leafy Greens, Herbs, Vegetable, Fruits & Medical Plants

About InHydro



InHydro is the nation's leading manufacturer of food grade hydroponics products, offers a complete solution from Technology Innovation and R&D, Feasibility Studies, Farm Design & Site Planning, Project Management, Training & Consulting, Farm Operation & Maintenance to Agronomy Support in Commercial Hydroponic Farms or Small Home/ Rooftop Growing Setups

InHydro's Hydroponic System Experts love helping our growers in their environmental controls and design custom solutions that optimize crop turns. With our hydroponic consultation services our hydroponics experts will design Greenhouse, Hydroponic System, Farm Automation, Lighting, and Business Solutions for your unique situation.

We combine practical experience and expertise with a comprehensive high quality system designed and manufactured to provide you with one source for your scalable, customized hydroponic growing needs. InHydro is a complete solution and not just parts of a system. When you choose InHydro you are backed by a complete team offering a complete solution with the knowledge to make things work in your specific environment.

InHydro aim to provide best quality profitable and sustainable hydroponic solutions customers world wide.



What we do

GREENHOUSE PROJECTS We at InHydro, design and develop the ideal environment for your plants where you can have Control over all aspects of your growing environment, from Temperature, Humidity Lighting, CO2 and much more parameter	COMMERCIAL HYDROPONIC FARMS At InHydro, we provide turnkey, one-stop solutions to develop both indoor and outdoor Commercial Hydroponics farms. Our Design promote efficient water and energy usage, high yields, and easy to maintenance.	ROOFTOP HYDROPONIC FARMS InHydro design and develop rooftop/Home Hydroponic farms to bring fresh, nutritious home grown veggies to your table around the year as well as your rooftop will be converted into profitable Hydroponic farm	HOBBY HYDROPONIC SETUPS At InHydro we offer wide range of DIY hydroponics models for hobby growers or hydroponics learners. These models include everything you need to start growing leafy greens, herbs and more.	GROWING SUPPLIES Get everything including hydroponic systems, NFT channels, irrigation kits, grow mediums, net pots & planters hydroponic nutrients, meters & controllers, pumps, air pumps, seeds, Seedlings, other tools & accessories etc.	GROWER SUPPORT Do you have a challenge? Our experts love to offer all essential training & guidance including agronomy support to our growers with our unique model of Build – Operate – Transfer to assure peace of mind to our customers.
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Quick Facts About InHydro

Improve the productivity of your growing operation by incorporating our leading -edge technology. our 21st Century farms solution we will lower your capital costs by reducing the resources required to produce high quality crops.



Pioneer in a New Age of Farming Solutions



Excels in Hydroponics, Aquaponics, Aeroponics Technologies



High Value Design & Engineering Center



Meeting ISO9001:2015 Requirements

30+

Professionally Trained Staff on Hydroponics Farming Technology

50+

Consulting Engagements on Hydroponics Farming

80+

Crops includes Leafy Greens, Herbs, Vine Crops and Fruits

15+

Professional Agronomists to Support our Growers

Integrated Hydroponics

Integrated Hydroponics

Now We Want to Tell You Why Choose Our Company to do Design Your Dream Farm

Our Values



CUSTOMER FIRST

Each hydroponic farm built by team InHydro for our clients is backed with the expertise of the Chief Technology Officer, a dedicated R&D Team, Design Engineers, Plant Scientists, Micro Biologists, and Field Technicians provide the perfect conditions for healthy plants to thrive, taking farming to a new level of precision and productivity with minimal environmental impact.



INNOVATIVE SOLUTIONS

Our latest greenhouses are advanced, data-driven, climate-controlled facilities — the most efficient production systems available today. These greenhouses are some of the highest-yielding farms around and use less energy, land & water.



SCIENTIFIC METHOD

We do not make any commitments or claims that are not scientifically proven. Our commitments are either backed by renowned scientific research or supported by clinical trials. Sharing Industry's best practices with our clients those are scientifically proven with a first-class customer services make us stand out when it comes to a relationship with our clients.



SUSTAINABILITY

Sustainability isn't just about being smarter. It means changing the way we think. We make sure every step of our process is consistent with eco-friendliness and the preservation of nature. We can grow more produce (per square foot per year) using less land, water and, energy than is possible with conventional farming.



REGULATORY COMPLIANCE-CULTURE

We respect all rules and regulations and adhere to global food safety standards. We employ the highest standards including ISO and other international and domestic standards and protocol.



TRANSFORMING AGRICULTURE

We have Integrated Agricultural Sciences with latest technology to produce healthy food with high nutritional value, free from harmful pesticides using less land, water & energy than field farms. Grower will have complete control over what they grow & how they grow & finally provide a nutritious choice to their customers.



CONSTANTLY INNOVATING

Engineers and technicians, from InHydro, work together with experienced growers worldwide to develop continuously new solutions for improving hydroponic crop yields and performance..



IN-HOUSE DESIGNED AND MANUFACTURED

We do manufacture our NFT Grow Channels and Grow Buckets with 100% FDA approved HDPE (high density polyethylene). Our all hydroponics products and accessories are made from top quality Food grade materials.

200+
MODELS
INSTALLED

60+
ROOFTOP
PROJECTS

8+
COMMERCIAL
PROJECTS

280+
SATISFIED
CUSTOMERS



QUALITY SERVICES

Our experts love to offer all essential training & guidance including agronomy support to our growers with our unique model of Build – Operate – Transfer to assure peace of mind to our customers.



CHALLENGING STAFF

Our team consists of experts and well-trained professionals to provide services of the highest quality. Our experts love helping growers with custom design solutions for their hydroponic farms that optimize crop production.

Excels in Hydroponics, Aquaponics, Aeroponics and other New Age of Farming Technologies

Our Services

Integrated Hydroponics takes their service to the next level. Besides all the hydroponics products & sustainable hydroponic growing solutions, we also provide expert consultancy services to start and sustain your hydroponic farms. At InHydro We offer the full spectrum of services that includes Design, Engineering, Construction, Commissioning, Operation & Maintenance of hydroponic farms. Our team consists of experts and well-trained professionals to provide services of the highest quality and love to offer all essential training & guidance including agronomy support to our growers with our Unique model of Build – Operate – Transfer to assure peace of mind to our customers.



Scope of Services

Business Plan & Feasibility Study



BUSINESS PLANNING & CONSULTING—

InHydro helps from scratch to set-up your hydroponic system as per the need of your business. We help in Site Selection, Crop Selection, Hydroponics System Selection based on plant and location, We perform a Feasibility Study, provide you Crop Selection Framework, Project design and site Planning, Crop Management, Hands-on Training and AMC Support.



CROP SELECTION FRAMEWORK & PLAN

Crop Selection Framework is an important process for commercial hydroponics setup, InHydro Helps in gaining a good return on investment. This calls for assisting our clients in picking right crops as per the market demographics where they plan to be a market leader. Its depends on various factors like environment, Market need & technology used.

Farms Design & Development



GREEN HOUSE DESIGN & SETUP—

InHydro provides you with the complete end-to-end support needed for setting up a greenhouse along with design customization. Our experts have vast experience in handling the various aspects of setting up a commercial and mid-size greenhouse. Our affordable prices suit every budget and we deliver a functional greenhouse within really less time. We value your time and encourage you to opt for our excellent Green-House Setup service.



HYDROPONIC DESIGN & SYSTEM SETUP—

The growing methods for each type of crop can be different so as the hydroponic system. When you are choosing between the various hydroponic systems, InHydro provides system setup solutions for the following type - NFT Systems, Vertical NFT Systems, Dutch Buckets, Indoor Grow System, Zip Grow System, and Commercial Farm Set-up. We will help in finding an appropriate location for set-up and equipment

Operation & Agronomy Support



CUSTOM NUTRIENT FORMULATIONS—

We provide both pre-made nutrient solutions or help in formulating your own. These nutrients are divided into two categories: macronutrients and micronutrients. Macronutrients are those that plants need in large amounts, including carbon, phosphorous, hydrogen, nitrogen, oxygen, sulfur, potassium, magnesium, and calcium. Micro nutrients are needed in tiny amounts but are essential. These include zinc, nickel, boron, copper, iron, manganese, molybdenum, boron, and chlorine.



TRAINING OF HANDLING STAFF—

Training modules that encompass the steps to run the hydroponics project are arranged for the clients' team. It becomes vital to impart holistically designed training sessions to the workers deployed for guarding the systems. Preparing them for all kind of conditions becomes very important for the long run.



TECHNO ECONOMIC FEASIBILITY STUDY—

Techno-Economic Feasibility Study is highly useful as it helps in understanding the inherent benefits and risks of the project. As we know a detailed appraisal of the financial and technical indicators of the project, sets down a very lucid timeline for infusing the right amount of money and resources into the project. InHydro take care of various factors for preparing the detailed



PROJECT DESIGN & DEVELOPMENT—

As per the project requirements, the designing and commissioning part includes Land use Plan, Assembling of structures, Obtaining all essential approvals, Floor Design, Fan and Light Set-up, Water circulation system set-up, Pilot tests of the performance of multiple hydroponics system, and above all to provide Cost Effective Designs and sustainable design.



FOOD SAFETY CONSULTING —

At first glance, you might expect that growing produce hydroponically would be safer than growing it in an outdoor environment. There's still a lot of messiness involved in hydroponic farming. Such as the growth of bacteria & fungus. The inappropriate design may lead to invitations to pests & pesky insects. That brings us back to vigilance. Food isn't contaminated by something or another



FARM AUTOMATION—

There is a great need for an automation system in hydroponic farming. This is because the works require a lot of accuracies. Some of the work is also hard to be done by a human. Therefore, to decrease the workload of the farmers, an automation system is necessary. We will provide you with many more farm automation systems like automation timer, temperature controllers, humidity controllers, buzzers and etc. Automation timer contains different timers like reserving timer, priming timer and etc.



LIGHTING CONSULTING & DESIGN—

The sun is the ideal lighting source for growing plants, artificial lighting in indoor systems can provide a good substitute within the appropriate color spectrum. Choosing the best lights for your hydro system can be a challenge. There are tons of options out there and depending on your system size and the type of plants you are growing. For example - a Vegetable garden requires at least 14 to 16 hours of bright artificial light, followed by 10 to 12 hours of darkness every day.



OTHER NECESSARY ACCESSORIES—

InHydro provides you with the necessary accessories so that you don't have to wander in search of these items. We provide NFT Channels, End Caps, NET POT, Plant Nutrients, Dutch Buckets, Seeds, Germination Cube, Grow Lights, and Potting Media [Clay balls]. InHydro will also provide you with a huge variety of hydroponic gardening kits and equipment supplies.



AGRONOMY SUPPORT

Agronomy is the art and underlying science in the production and improvement of field crops with the efficient use of fertility, water, labor, and other factors associated with crop production which provides a beneficial environment to the crop for higher productivity. We do have well qualified & experienced Agronomist, specialists of agriculture, who assist in providing basic training/know-how to Farmers of Crop Protection & production under Commercial Farming, GreenHouse - Poly/Net House.



WATER PARAMETER

TESTING—
In Hydroponics, Poor water quality can cause disease, toxicity, dehydration, low yield, and other growing concerns. Water testing looks at the quality of water to ensure that your plants always have access to clean water and a proper intake of nutrients. There are three key variables you want to test for in your water: pH, conductivity (EC), and temperature. We provide all the tool kits to our users. The ideal pH for humans is 7.3 to 7.45, but each plant has its own unique pH. The ideal EC should be between 1.2 and 2 to deliver optimal nutrients.



AMC & MARKETING SUPPORT—

We at InHydro, utmost care for the clients' project further adds trust to its holistically designed AMC. Under the Annual Maintenance Contract (AMC), InHydro provides for the facility of periodic checkups at the interval of every 3 months. And tests are also run to check the health of crops. The systems are also installed for easy monitoring of factors like temperature, humidity, nutrient systems, irrigation systems. We help them to search markets to sell their grow in their near-by locality with better ROI.

Unique model of **Build – Operate – Transfer** to assure peace of mind to our Customers

Dream Big With Our Consultation

In the New Age of Farming Technology, Growers and agri-entrepreneurs need guidance and support to set up and run their dream farm. At InHydro we provide all essential products, training and guidance including our “Grower Support” services to build and operate a sustainable hydroponic business.



+ 50	CONSULTING ENGAGEMENTS ON HYDROPONICS FARMING	+ 80	CROPS INCLUDES LEAFY GREENS, HERBS, VINE CROPS AND FRUITS	+ 15	PROFESSIONAL AGRONOMISTS TO SUPPORT OUR GROWERS
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OUR HYDROPONIC CONSULTING SERVICES AND SOLUTIONS ENABLE US TO INCREASE YIELD, PRODUCTIVITY AND PROFIT, AND REDUCE RISKS BY SUPPORTING GROWERS CONTROL OVER WHERE AND WHEN IT’S NEEDED MOST.



PROFESSIONALISM

Our Greenhouse setup consultants are dedicated to handling every task and interaction with the utmost professionalism.



HASSLE-FREE CONSTRUCTION-

Our Greenhouse farming business plan is detailed and methodical. We ensure seamless execution with the help of our team member.



CONSISTENT YEAR-ROUND OUTPUT

We have a record of zero safety incidents which is our unique selling point. In all our endeavours, we always prioritize safety, ally & affordable.



GROWER SUPPORT

Do you have a challenge? Our Experts love to offer all essential Training & guidance including agronomy support to our growers with our Unique model of Build – Operate – Transfer to assure peace of mind to our Customers.



AFTER SALES SERVICE

After sales services are also available to simplify your crop cycles. Tell us about your crop production schedule and we can provide all your needs including seeds, seedlings, growing media, nutrients and more to you once per crop cycle.



AGRONOMY SUPPORT

We do have well qualified & experienced Agronomist, specialists of agriculture, who assist in providing best growing practices, plants health and environmental conditions that may impact on crop performance to our growers.



SIGNIFICANTLY REDUCED LABOUR

InHydro offer state of arts Automation solutions that automatically bring Significantly reduced labour requirements at farm. also resulting in reduced physical labour, faster plant growth and harvesting, and a more pleasant work environment.



FASTER MATURITY. HIGHER YIELD.-

Grow varieties of Clean. Fresh. Healthy crops including leafy greens, herbs & medicine plants, flowering crops, fruits and vine crops year-round with our custom designed hydroponic farms.



TOP QUALITY PRODUCT

We provide an environment free from chemicals, pesticides, or herbicides meaning your harvest is naturally healthier. Hydroponic growth is cleaner. We utilize natural rock wool as a growing substrate, so plants are cleaner, safer, and generally readier as farm-to-table food.

Complete one stop Solutions for the 21st Century Hydroponic farms & Greenhouses Projects.

Sustainable Growing Solutions



InHydro offers a complete solution from Technology Innovation and R&D, feasibility studies, farm design & site Planning, Project Management, Training & Consulting, Farm operation & Maintenance to agronomy support in commercial Hydroponic Farms or small homes/roof-top growing setups.

End to End Solutions

Complete one stop solution including engineering, design, supply, build and maintain your farm.

Turn-Key Projects

We offer turnkey solutions for setting up commercial or small urban hydroponics farms.

Tailor made for your needs

Our Tailor-made 21st century farming solutions help you to maximize your productivity

End to End Solutions

Our unique techniques help to Improve Yield and Cost Efficiency of your farm



Commercial Hydroponics



Rooftop Hydroponics



Home & Hobby Hydroponics



Greenhouse Projects



Farm Automation



Crop Solutions

Advantage with InHydro

System Flexibility and Scalability

Select from a large variety of crops to grow in your hydroponics – our R&D is continually innovating to expand our crop offerings. Our modular design allows your business to grow with demand.

Reliable Construction

We are one of the most reliable greenhouse Setup manufacturers in India. The greenhouse developed by us is made with sturdy materials, ally & affordable.

Profitability

At InHydro we offer cost-competitive solution to address market demand. Our systematic growing programs lower production cycles, depending on desired size and variety of crop. Our systems grow produce with a longer shelf life, helping you to maintain your margins and reduce shrinkage.

AFFORDABLE COST

We believe in providing value for money services and have thus kept are greenhouse setup cost to be really affordable.

Devotion To Ecological Balance

Our strong commitment to blend efficiency in optimal utilisation of land, water and the judicious use of electricity, inspires our teams to raise the new agripreneurs of India. The Agripreneurs who step forward to endorse sustainable farming methods to shape the legacy we plan to present our posterities.reduce shrinkage.

Smaller Physical Foot-Print

Our hydroponic farms produces much higher yields on a square foot basis by dramatically reducing the footprint of land usedally affordable.

Get Growing

In the new age of farming we are no longer limited by climate or season in the pursuit of clean, fresh food. We can now grow any plant, anywhere at any time of year. With our simple, effective hydroponics farming technology, coupled with modern environmental controls, anyone can grow various crops and save precious resources like water, labours, reduce their carbon footprint, and feed community. Join us with three essential steps:

How do I get started with a Hydroponic Farms?



KNOW YOUR MARKET

Market research is not rocket science, but it is important to determine the viability of your operation or business. To setup a successful hydroponics business you need to understand your market first by doing simple market research that must include information about crops demand in local area, who is buyers for these crops, what quantity they are buying, maximum and minimum price of these crops, availability and demand of rare or exotic crops in local area etc



SETUP YOUR FARM

Get in touch with InHydro, we combine practical experience and expertise with a comprehensive high quality system designed and manufactured to provide you with one source for your scalable, customized hydroponic growing needs. Our farms support year-round growing in any climate, from the densest of cities to the most remote area of the country. Our designs promote efficient water and energy usage, high yields, and easy maintenance.



SALES SETUP-

Once you have planted seeds, you will Return to your list of buyers from the research phase, and let them know when your crops will be ready. As you build out your customer list, you will want to understand details regarding delivery times and locations, packaging requirements, and quality standards. Utilize our grower support services for all your hassle-free growing and sales needs

Innovation Solution For Your Growing Environment

Greenhouse Projects

COMPLETE CONTROL OVER YOUR GROWING ENVIRONMENTS

When it comes to greenhouses, they are a great protection from adverse weather conditions, There are optimal conditions that plants thrive in and finding that sweet spot can be tricky when you consider all the environmental variables including light and solar radiation, wind, atmospheric pressure and relative humidity as well as rain and precipitation. InHydro design and develop the ideal environment for your plants with an automated greenhouse.

Control all aspects of your growing environment, from temperature, lighting, CO2, air, nutrients, humidity and much more using our climate control automation solutions.



APPLICATIONS

- Production of exotic vegetables and fruits
- Production of vegetable crops.
- Production of off-season flowers, vegetables.
- Production of Roses, Carnation, cut-flowers etc.
- Plant propagation, raising of seedlings.
- Primary and secondary hardening nursery of Tissue Cultured plant.
- Growth / Production of rare plants, orchids / herbs, medicinal plants.



Climate Control Greenhouse -

Our climate-controlled Green Houses are built of a G.I. structure along with a fan pad cooling system wherein crops are grown under a favourable artificially controlled environment and other conditions viz. temperature, humidity, light intensity, photoperiod, ventilation, disease control, irrigation, Fertigation and other agronomical practices throughout the season irrespective of the outside natural conditions

Naturally Ventilated Poly Houses—

Our naturally ventilated Polyhouses are built of a Pre-galvanized channel cum tubular structure. Tubular structure having a variety of applications, the majority being, growing of vegetables, floriculture, planting material acclimatization, fruit crop growing for local and international market. wherein crops are grown under a favourable environment and other conditions viz. temperature, humidity, light intensity, ventilation, soil media, disease control, irrigation, fertigation and other agronomical practices throughout the season.

Net-Houses

Our Net-Houses are built of a Pre-galvanized structure having a variety of applications, the majority being, growing of vegetables, floriculture, fruit crop growing for local and international market. wherein crops are grown under a favourable environment and other conditions viz. temperature, humidity, light intensity, soil media, disease control, irrigation, Fertigation and other agronomical practices. Our Net-Houses are available in different sizes and constructed as per customer requirement. The sizes vary from as small as 120 Sq. Mtr to 5,000 Sq Mtr and more.

The Future of Farming Has Arrived

Commercial Hydroponics

Maximum Yield Explains about Hydroponic Farming Business

InHydro's Hydroponic System Experts love helping our growers in their environmental controls and design custom solutions that optimize crop turns. With our hydroponic consultation services, our hydroponics experts will design a Greenhouse, Hydroponic System, Farm Automation, Lighting, and Business Solutions for your unique situation.

We design and build reliable hydroponic farms that last decades. By using our Commercial Hydroponics Consulting Service, the grower will get connected with our hydroponics experts with our combined expertise, you will have a commercial hydroponic farm that will withstand the tests of time and nature. Commercial Farms employ different types of growing systems that are suitable for crop growth. At InHydro, we decide the growing system based on the crop, market, weather, and budget for the farm.

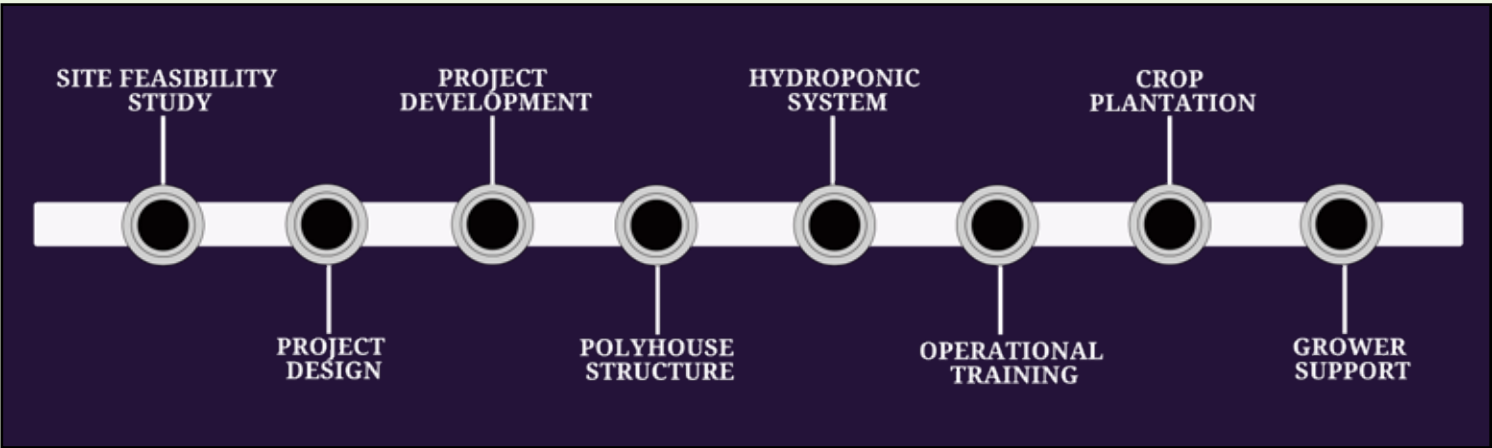


Our 21th Century Farms

Sustainable Hydroponic farms for Leafy Greens, Herbs, Vegetable, Fruits and Medical plants

InHydro is the nation's leading manufacturer of food-grade hydroponics Farms, offers a complete solution from Technology Innovation and R&D, Feasibility Studies, Farm Design & Site Planning, Project Management, Training & Consulting, Farm Operation & Maintenance to Agronomy Support in Commercial Hydroponic Farms or Small Home/Rooftop Growing Setups.

Ready for Get Growing ?



Commercial NFT Farm



Indoor NFT Farm



Dutch Bucket Farm



Hydroponics Grow Bag



Vertical NFT Farm



DWC Hydroponics



Aeroponics Farm



Aquaponic Farm

Convert Your Rooftop into Profitable Hydroponic Farm

Rooftop Hydroponics Farms

The increased demand for fresh and chemical-free food in cities has led to a boom in urban farming in India. Hydroponics, a method of farming that involves growing plants without soil, today being used by many startups and urban farmers.

Rooftop hydroponic greenhouses are becoming more common in urban areas where farmable land is scarce. It is considered easier to outfit a building with a hydroponics system on the roof, rather than a soil garden, because hydroponic gardens are cleaner and less cumbersome.

There are numerous benefits to installing a rooftop hydroponic greenhouse. One of the most obvious is the fact that vegetables and fruits grown in the greenhouse could be used by residents of the building to offset their own food costs.

We provide the easiest solutions to Grow a Full-Stack Vegetable Garden at Home

Precisely Delicious Produce

We changed everything about growing food, without changing the food. Our produce tastes incredible, has lower environmental impacts, and we do it all at levels of precision that are impossible through traditional farming.

From the Rooftop to Your Plate

Growing vegetables at home on a terrace/rooftop or balcony is a great way to bring fresh, nutritious veggies to your table. Knowing where your food came from is just one benefit of home vegetable gardening.

Offset the Urban Heat Island Effect (UHI)

Another big benefit is that this sort of “greening” helps to offset the urban heat island effect (UHI), and helps make cities not only more livable, but healthier for humans.

A Smarter Way to Grow

At InHydro we design and develop hydroponics farms to ensure each individual plant receives the optimal levels of sunshine, water, and nutrients. Our approach lets us grow exactly what’s needed, greatly reducing systemic food waste.

Truly Sustainable Food

Agriculture is long overdue for a technology update. As the world’s population has increased, environmentally damaging agriculture has increased to match. InHydro has redesigned the process for growing fresh produce to use vastly less energy and less water.

Local, Fresh, And Healthy Food

We grow a diverse range of top quality produce includes herbs, leafy greens, vegetables free from pesticides all year round, right where you and your costumers are.



Rooftop Greenhouse



Vertical Vegetable Farms



Vegetable Garden In Grow Bags



Hydroponic Farms



Vegetable Garden In Dutch Buckets



Vegetable Garden Ebb & Flow

Bring Fresh and Healthy Food Directly From Farm To Your Table

Home & Hobby Garden

In recent years, there has been a significant rise in people using hydroponics in the city, such as in apartment windows, rooftops, and balcony gardens

Hydroponic gardening is a great way to grow lots of vegetables, fruits or herbs all year-round at your home. Even the beginner gardener can have and easily maintain a hydroponic system. This gardening method allows for vegetables and plants to be grown anywhere, regardless of soil type, garden size, weather, and climate. If you live in a location where you're only able to garden part of the year due to inclement weather this method of gardening is excellent. Or, if you don't have traditional garden space, with hydroponic techniques, it is still possible to grow food for the family.

Type of Hydroponic Garden



Rooftop Hydroponics Garden



Backyard Hydroponics Garden



Balcony or Walkway Hydroponics Garden



Indoor or kitchen Hydroponics Garden

The Advantages of Hydroponic Crop Production

- **Space Efficiency** — By utilization of vertical Space In hydroponics farming Plantation increases 4 to 10 times the amount of crops in the same space as traditional soil farming. Production increases 3 to 10 times in the same amount of space.
- **Less Water Usage** — Plants grown hydroponically can use only 10% of water compared to field-grown ones. In this method, water is recirculated. Plants will take up the necessary water, while run-off ones will be captured and return to the system.
- **Higher Yields** — Plants grown in well-managed hydroponic systems are living the good life. Since roots are bathed in all the nutrients they need, plants spend more time growing upward and less time and energy growing extensive root systems to search for food.
- **High Quality Produce** — That's simple. If you give a plant exactly what it needs, when it needs it, in the amount that it needs, the plant will be as healthy as is genetically possible. With hydroponics this is an easy task; in soil it is far more difficult amount of space.
- **Effective use of Nutrients** — In Hydroponics, you have a 100% control of the nutrients (foods) that plants need. Before planting, growers can check what plants require and the specific amounts of nutrients needed at particular stages and mix them with water accordingly.
- **No Weeds** — If you have grown in the soil, you will understand how irritating weeds cause to your garden. It's one of the most time-consuming tasks for gardeners - till, plow, hoe, and so on. Weeds are mostly associated with the soil. So eliminate soils, and all bothers of weeds are gone accordingly.
- **Fewer Pests & Diseases** — And like weeds, getting rid of soils helps make your plants less vulnerable to soil-borne pests like birds, gophers, groundhogs; and diseases like Fusarium, Pythium, and Rhizoctonia species. Also when growing indoors in a closed system, the gardeners can easily take controls of most surrounding variables
- **Less use of insecticides, and Herbicides** — Since you are using no soils and while the weeds, pests, and plant diseases are heavily reduced, there are fewer chemicals used. This helps you grow cleaner and healthier foods. The cut of insecticide and herbicides is a strong point of hydroponics when the criteria for modern life and food safety
- **Labor and Time Savers** — Besides spending fewer works on tilling, watering, cultivating, and fumigating weeds and pests, you enjoy much time saved because plants' growth is proven to be higher in hydroponics. When agriculture is planned to be more technology-based, hydroponics has a room in it.
- **Climate Control** — Like in greenhouses, hydroponic growers can have total control over the climate - temperature, humidity, light intensification, the composition of the air. In this sense, you can grow foods all year round regardless of the season. Farmers can produce foods at the appropriate time to maximize their business profits.
- **Hydroponics is Stress-Relieving Hobby** — Tired after a long working day and commute, you return to your small apartment corner, it's time to lay back everything and play with your hydroponic garden. Reasons like lack of spaces are no longer right. You can start fresh, tasty vegetables, or vital herbs in your small closets, and enjoy the relaxing time with your little green spaces.
- **Grow Everywhere** — Hydroponic plants can be grown everywhere; you can grow at Commercial Farms, at your Rooftop, or the spare Balcony or Walkways as long as you have some spaces. It is said to convert any terrain into fertile farming land With the traditional farming, there are multiple problems such as pest, climate and soil diseases

InHydro is a prestigious organization with state-of-the-art infrastructure under SmartBrains Engineers & Technologist Pvt. Ltd. Noida, InHydro is widely known for its contribution in the hydroponic sector in India specially for Hydroponic Consulting Services, Commercial Farm set-up, and Hydroponic System design. Progressive entrepreneurs, growers, and students interested in agro-business can enroll themselves in our training.

LEARN! The “ART” of growth for your PLANTS & your BUSINESS.

Learn about Hydroponics

Become A Skill Hydroponic Grower

Learn all about hydroponics growing technology, Farm Design, Farm Operations, and its applications. In-Hydro provides in-depth knowledge of all aspects of hydroponics, suitable for beginners, hobbyists, progressive growers, Agriprenures and hydroponics consultants. We provide Interactive lectures, webinars, and hands-on training. Our training module includes interactive hands-on workshops, a Short-terms course, and Expert lecture series on specific topics for growers, learners, hobbyists, and entrepreneurs. Experts from core domains having rich experience and practical exposure share their expertise with learners in Offline & Online mode to start the hydroponic from scratch to commercial level.



In-Hydro Training Feature

Expert & Experienced Mentors—

We value your time and money, our objective is to meet your expectations during delivering our session with quality and subject matter experts.

Hands-on Real-time Practicals—

Hydroponics learning is something that needs real-time farm knowledge, a learner needs to do their hand-dirty to gain in-depth knowledge.

Hydroponic Farms Visit—

As a professional consultant and grower, In-Hydro has its own hydroponic farms having a variety of plants & systems for real-time exposure.

Grower & Vendor Support—

We deal with numerous Vendors for our day-to-day need for hydroponics farm set-up, learners can access details from mentors for their needs.

Networking with Professionals

Hydroponics Professionals are the main attendees of our sessions, learners and hobbyists can take their real-world feedback and network them for future endeavors.

Business plan & Set-up Support

During the session, a major part is covered for “How to set-up Hydroponic Farms” and market your products to generate maximum RoI.

Take-away learning material

In-Hydro provides each learner a learning Kit having all the Keynotes and reference materials for future use and knowledge sharing.

Mode of Delivery

As we are living in a new normal, our objective is to reach each and every aspirant to solve their queries related to hydroponic in both Online & Offline mode.



FEATURED COURSES

ONELINE WORKSHOPS -

Our Hydroponics Workshop is a online Greenhouse and hydroponics training program that incorporates teaching and demonstration to provide participants with a clear understanding of controlled environment farming and hydroponics systems. This training program includes classroom presentations as well as the opportunity to become familiar with hydroponic growing systems in a hydroponics experience centre. Participants will learn about how to grow vine and leafy in hydroponic systems.

9 DAYS INDUSTRIAL TRAINING -

Our hydroponics Training is a 9 days Industrial Greenhouse and Hydroponics training program that incorporates teaching and demonstration to provide participants with a clear understanding of controlled environment farming and hydroponics systems. This training program includes classroom presentations as well as the opportunity to become familiar with hydroponic growing systems in a hydroponics experience centre. Participants will learn about how to grow vine and leafy in hydroponic systems.

ONE DAY WEBINARS -

Our Hydroponics two-days incorporates teaching and demonstration to provide participants with a clear understanding of controlled environment farming and hydroponics systems. This training program includes classroom presentations as well as the opportunity to become familiar with hydroponic growing systems in a hydroponics experience centre. Participants will learn about how to grow vine and leafy in hydroponic systems..

3 MONTHS TRAINING PROGRAM -

Our Hydroponics Training is a 3 Months Industrial Greenhouse and Hydroponics training program that incorporates teaching and demonstration to provide participants with a clear understanding of controlled environment farming and hydroponics systems. This training program includes classroom presentations as well as the opportunity to become familiar with hydroponic growing systems in a hydroponics experience centre. Participants will learn about how to grow vine and leafy in hydroponic systems.

To be an “ Expert ”, Learn from “ Experts ”

Learn all about hydroponics systems, designs, and applications. In-Hydro provides in-depth knowledge of all aspects of hydroponics; suitable for progressive growers, manufacturers, retailers, suppliers, entrepreneurs, and consultants who want to explore the Hydroponics system. We provide Interactive lectures, webinars, and hands-on training.

Training Program Includes :

- Welcome Kit.
- Meals provided by InHydro: Lunch Hi-Tea.
- Training Certificates.
- Hands-on practicals.
- Real Time Hydroponic Farm Visit
- Project Planning & Vendor Details
- Networking with Professionals



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