

# Hydroponics Market Prospects for Long-Term Value & Growth 2024 - 2031 | Argus Control System

*The hydroponics market is estimated to be valued at USD 47.38 Bn in 2024 and is expected to reach USD 105.39 Bn by 2031*

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/EINPresswire.com/ -- Market Overview:

Hydroponics is a method of growing plants using mineral nutrient solutions in a water solvent, without soil. It is a sustainable way of cultivating plants and vegetables. Hydroponic farming systems use about 70% less water and higher yields compared to traditional soil-based agriculture.

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Market Dynamics:

Hydroponics market is driven by rising demand for organic food and vegetables coupled with limited availability of arable lands. With growing urbanization, the amount of land available for traditional farming is decreasing significantly. Hydroponic farming is an efficient way to maximize crop yields on minimal lands. Moreover, hydroponics allows year-round production of crops irrespective of weather conditions or geographical locations. Key players in the market are focusing on technological advancements in hydroponics systems such as climate control features, fertigation management, and automation to increase productivity.

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Hydroponics Market Drivers:



Hydroponics Market Trend

## Increasing adoption of hydroponics for commercial farming

With the rising global population and limited availability of arable land, farmers are increasingly looking at innovative ways of maximizing crop yields. Hydroponics provides an effective solution as it allows year-round cultivation and multiple harvests in the same area as traditional farming. Several commercial greenhouse farms around the world have started adopting hydroponics systems to meet the rising demands for fruits and vegetables. The growth in commercial hydroponics farming is expected to drive higher revenues in the hydroponics market.

### Hydroponics Market Opportunity:

#### Rising popularity of urban hydroponic farms

With declining availability of agricultural lands and longer commute times in urban areas, there is a growing interest in urban hydroponic farming. Many cities across the world are embracing decentralized indoor vertical farms within city limits to ensure food security for local populations. Indoor vertical farms use minimal space and resources to grow safe, chemical-free foods within the vicinity of consumers. Several new companies are coming up with innovative hydroponic farming solutions targeted at urban areas. This emerging category of urban hydroponic farms presents a major business opportunity for stakeholders in the coming years.

### Hydroponics Market Trend:

#### Advancements in IoT and sensor technologies

Latest research is focused on developing smart hydroponic systems integrated with IoT (Internet of Things) and sensor technologies. Advanced sensing and monitoring equipment can now precisely measure critical growth parameters and automatically adjust the inputs. This level of automation and data-driven farming helps improve productivity, minimize errors and reduce labor costs. The use of drones, computer vision systems, big data analytics is also gaining attention from hydroponic farmers looking to maximize crop yields. Ongoing innovation in sensor and IoT solutions is expected to drive further adoption of digital and smart farming methods in the hydroponics market.

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### Top Companies Featured in This Report:

- Argus Control System
- Koninklijke Philips NV
- Greentech Agro LLC
- Biodynamic LLC

- General Hydroponics Inc.
- Logiqs B.V.
- Lumigrow Inc.
- Hydrofarm Inc.
- Hydrodynamics International Inc.
- Heliospectra AB
- Village Farms International Inc.
- Platinum Produce Company
- Millennium Pacific Greenhouses Ltd
- Soave Enterprises LLC.
- Nutrifresh
- Rise hydroponics
- Urban Kisaan
- Cochin Ela Sustainable Solutions
- Brio Hydroponics
- Rise Hydroponics

Market Segmentation:

By Product Type:

- By Equipment : HVAC , Communication Technology , LED Grow Light , Irrigation System , Material Handling , Control System , and Others
- By Type: Aggregate systems , Ebb & flow systems , Drip systems , Wick systems , Liquid systems , Deep water culture , Nutrient film technique (NFT) , and Aeroponics
- By Crop Type: Tomato , Lettuce & Leafy Vegetables , Cucumber , Pepper , Fruits , and Others
- By Input Type: Nutrients , NPK , Trace minerals , Other nutrients , Grow media , Rockwool , Perlite & vermiculite , Coco fiber , and Other grow media

Key Regions/Countries Classified as Follows:

- » North America (U.S., Canada, Mexico)
- » Europe (Germany, U.K., France, Italy, Russia, Spain, Rest of Europe)
- » Asia-Pacific (China, India, Japan, Singapore, Australia, New Zealand, Rest of APAC)
- » South America (Brazil, Argentina, Rest of SA)
- » Middle East & Africa (Turkey, Saudi Arabia, Iran, UAE, Africa, Rest of MEA)

Key Inquiries Addressed in this Report include:

- What was the size of the Hydroponics Market Market in 2024, and what is the projected value by 2031?

- What is the present global market landscape for the Hydroponics Market Market?
- What strategies offer optimal opportunities for growth maximization in the business?
- What recent trends are shaping the Hydroponics Market Market?
- How does the market share of Hydroponics Market Market revenue, sales, and size vary across specific geographical regions?
- Who are the prominent industry players in the Hydroponics Market Market?
- Which segment of the Hydroponics Market Market is experiencing heightened demand?

The report also delves into the competitive landscape, key players, trade patterns, industry value chain, recent news, policies, and regulations. Should you have any inquiries or require customization options, please don't hesitate to contact us.

In summary, whether you're engaged in manufacturing, distribution, or investment within the Hydroponics Market sector, this report furnishes invaluable insights into market segments, drivers, challenges, investment prospects, regional dynamics, major players, growth strategies, prevailing trends, and hurdles influencing the industry's expansion.

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Priya Pandey is a dynamic and passionate editor with over three years of expertise in content editing and proofreading. Holding a bachelor's degree in biotechnology, Priya has a knack for making the content engaging. Her diverse portfolio includes editing documents across different industries, including food and beverages, information and technology, healthcare, chemical and materials, etc. Priya's meticulous attention to detail and commitment to excellence make her an invaluable asset in the world of content creation and refinement.

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