

Intelligent Greenhouse Market Size, Share, and Outlook, 2025 Report- By Type (Hydroponic, Non-Hydroponic), Application (Flower Planting, Vegetable Cultivation, Fruit Cultivation, Others), Technology (HVAC Systems, LED Grow Lights, Irrigation Systems), Material (Handling Equipment, Valves and Pumps, Control Systems, Sensors and Cameras, Others), and Companies, 2021-2032

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Abstracts

Intelligent Greenhouse Market Outlook

The global Intelligent Greenhouse market is expected to register a growth rate of 9.4% during the forecast period from \$2.3 Billion in 2024 to \$4.7 Billion in 2032. The Intelligent Greenhouse market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Intelligent Greenhouse segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Hydroponic, Non-Hydroponic), Application (Flower Planting, Vegetable Cultivation, Fruit Cultivation, Others), Technology (HVAC Systems, LED Grow Lights, Irrigation Systems), Material (Handling Equipment, Valves and Pumps, Control Systems, Sensors and Cameras, Others). Over 70 tables and charts showcase findings from our latest survey report on Intelligent Greenhouse markets.

Intelligent Greenhouse Market Insights, 2025

The intelligent greenhouse market is growing rapidly as farmers and agribusinesses adopt advanced automation, IoT sensors, and AI-driven control systems to optimize growing conditions, resource use, and crop yields. Climate change pressures and the need for sustainable, year-round food production incentivize investment in precision agriculture technologies within greenhouse environments. Intelligent greenhouses enable real-time monitoring of temperature, humidity, light, and soil conditions, reducing water and energy consumption while improving plant health and quality. Integration with data analytics and remote management platforms allows scalable and cost-efficient farming, especially in urban and peri-urban settings. Companies such as Priva, Heliospectra, and Argus Controls lead in providing turnkey intelligent greenhouse solutions tailored to horticulture, floriculture, and vegetable production markets worldwide.

Five Trends that will define global Intelligent Greenhouse market in 2025 and Beyond

A closer look at the multi-million global market for Intelligent Greenhouse identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Intelligent Greenhouse companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future.

What are the biggest opportunities for growth in the Intelligent Greenhouse industry?

The Intelligent Greenhouse sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2030. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Intelligent Greenhouse Market Segment Insights

The Intelligent Greenhouse industry presents strong offers across categories. The analytical report offers forecasts of Intelligent Greenhouse industry performance across segments and countries. Key segments in the industry include By Type (Hydroponic,

Non-Hydroponic), Application (Flower Planting, Vegetable Cultivation, Fruit Cultivation, Others), Technology (HVAC Systems, LED Grow Lights, Irrigation Systems), Material (Handling Equipment, Valves and Pumps, Control Systems, Sensors and Cameras, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Intelligent Greenhouse market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Intelligent Greenhouse industry ecosystem. It assists decision-makers in evaluating global Intelligent Greenhouse market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Intelligent Greenhouse industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios low growth, reference case, and high growth cases.

Asia Pacific Intelligent Greenhouse Market Analysis A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with a combined population of over 4.5 billion, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Intelligent Greenhouse Industry 2025 Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Intelligent Greenhouse with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Intelligent Greenhouse market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Intelligent Greenhouse market Insights Executives are most excited about opportunities for the US Intelligent Greenhouse industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Intelligent Greenhouse companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Intelligent Greenhouse market.

Latin American Intelligent Greenhouse market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported since H2-2024 and the prospects remain strong for 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Intelligent Greenhouse Markets New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Intelligent

Greenhouse markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Intelligent Greenhouse markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape How Intelligent Greenhouse companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Heliospectra Corporation, LumiGrow Inc., Rough Brothers Incorporated, Nexus Corporation, Argus Control Systems Ltd., Certhon Holdings B.V., Logiqs Corporation, Netafim Ltd., International Greenhouse Company LLC, AgrowTec Holdings Inc., Shangyang Greenhouse Co., Ltd., Kubo Corporation.

Intelligent Greenhouse Market Scope

Leading Segments

By Type

Hydroponic

Non-Hydroponic

By Application

Flower Planting

Vegetable Cultivation

Fruit Cultivation

Others

By Technology

HVAC Systems

LED Grow Lights

Irrigation Systems

Material Handling Equipment

Valves and Pumps

Control Systems

Sensors and Cameras

Others

Leading Companies

Heliospectra Corporation

LumiGrow Inc.

Rough Brothers Incorporated

Nexus Corporation

Argus Control Systems Ltd.

Certhon Holdings B.V.

Logiqs Corporation

Netafim Ltd.

International Greenhouse Company LLC

AgrowTec Holdings Inc.

Shangyang Greenhouse Co., Ltd.

Kubo Corporation

Geographies

North AmericaUS, Canada, Mexico

EuropeGermany, France, UK, Spain, Italy, Nordics, BeNeLux, Others

Asia PacificChina, India, Japan, South Korea, Australia, South East Asia, Others

Latin AmericaBrazil, Argentina, Others

Middle East and AfricaSaudi Arabia, UAE, Other Middle East, South Africa, Other Africa

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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By Type

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Non-Hydroponic

By Application

Flower Planting

Vegetable Cultivation

Fruit Cultivation

Others

By Technology

HVAC Systems

LED Grow Lights

Irrigation Systems

Material Handling Equipment

Valves and Pumps

Control Systems

Sensors and Cameras

Others

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 - Rough Brothers Incorporated
 - Nexus Corporation

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Certhon Holdings B.V.
Logiqs Corporation
Netafim Ltd.
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