

Smart Greenhouse Market By Type (Hydroponic and Non-Hydroponic), Component (HVAC Systems, LED Grow Lights, Irrigation System, Valves & Pumps, Sensor & Control System, and Others), and End User (Commercial Growers, Research & Educational Institutes, Retail Gardens, and Others): Global Opportunity Analysis and Industry Forecast, 2020-2027

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Abstracts

Smart greenhouse is a farming technique, which helps user to monitor and control the growth condition of the plant and to optimize the growing process of the plants. In addition, the major goal of smart greenhouse is to implement a system which will allow user to remotely monitor all conditions required for the growth of the crops. Smart greenhouse provides different benefits such as maintaining a micro-climate environment for the crops, optimizing the yielding process, and minimizing manual intervention. In addition, it provides farmers with data on external environment and type of soil, which reduces the risk of pests and avoids disease outbreak. Furthermore, increase in need for organic food across the globe has replaced traditional farming with adoption of smart greenhouse.

Increase in popularity of organic food across the globe and increase adoption of IoT and artificial intelligence by farmers and agriculturists drive the growth of the market. In addition, ease of crop monitoring and harvesting fuel the growth of the market. However, high investment costs owing to deployment of expensive systems in smart greenhouses hamper the growth of the market. Furthermore, rise in adoption of vertical farming technology and increase in public-private partnership in the agriculture sector is

expected to provide lucrative opportunity for the market growth.

The smart greenhouse market is segmented into type, component, end user, and region. By type, it is bifurcated into hydroponic and non-hydroponic. By component, it is divided into HVAC Systems, LED grow lights, irrigation system, valves & pumps, sensor & control system, and others.

By end user, it is classified into commercial growers, research & educational institutes, retail gardens, and others. By region, it is analyzed across North America, Europe, Asia-Pacific and LAMEA.

The key players profiled in the global smart greenhouse market analysis include Argus Controls, Certhon, Cultivar, Greentech Agro LLC, Heliospectra AB, Hort Americas, Lumigrow, Inc., Netafim, Rough Brothers and Sensaphone. These players have adopted various strategies to increase their market penetration and strengthen their position in the industry.

Key Benefits For Stakeholders:

The study provides an in-depth analysis of the global smart greenhouse market forecast along with the current & future trends to elucidate the imminent investment pockets.

Information about key drivers, restraints, and opportunities and their impact analysis on the global smart greenhouse market size is provided in the report.

Porter's five forces analysis illustrates the potency of the buyers and suppliers operating in the industry.

The quantitative analysis of the market for the period 2020–2027 is provided to determine the market potential.

Key Market Segments:

By Type

Hydroponic

Non-hydroponic

By Component

HVAC Systems

LED Grow Lights

Irrigation System

Valves & Pumps

Sensor & Control System

Others

By End User

Commercial Growers

Research & Educational Institutes

Retail Gardens

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Netherlands

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

Singapore

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players:

Argus Controls

Certhon

Cultivar

Greentech Agro LLC

Heliospectra AB

Hort Americas

Lumigrow, Inc.

Netafim

Rough Brothers

Sensaphone

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