

# Global Photovoltaic Drone Inspection Services Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Photovoltaic Drone Inspection Services market size was valued at US\$ 1465 million in 2025 and is forecast to a readjusted size of US\$ 5709 million by 2032 with a CAGR of 22.0% during review period.

Photovoltaic drone inspection service refers to the use of industrial-grade drones equipped with visible light, infrared thermal imaging, and AI image recognition systems to conduct fully automated aerial inspections of centralized, distributed, or rooftop photovoltaic power stations. It collects real-time data on defects such as hot spots, microcracks, dust, and shading on modules, automatically generating defect location maps and maintenance work orders in the cloud. This helps power stations achieve intelligent operation and maintenance outsourcing services that reduce costs, increase efficiency, and create a closed-loop system.

In 2025, the gross profit margin of mainstream service providers in the market was 28%–35%, higher than that of oil and gas but slightly lower than that of the power grid. This is mainly due to the high maturity of photovoltaic module defect identification algorithms, simple airspace approval, and intense price competition among customers who are sensitive to 'increased power generation.'

This report is a detailed and comprehensive analysis for global Photovoltaic Drone Inspection Services market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company

profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Photovoltaic Drone Inspection Services market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Photovoltaic Drone Inspection Services market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Photovoltaic Drone Inspection Services market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Photovoltaic Drone Inspection Services market shares of main players, in revenue (\$ Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Photovoltaic Drone Inspection Services

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Photovoltaic Drone Inspection Services market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AETOS Group, Intertek, Flyability, Landpoint, Droneify, FORCE Technology, Equinox's Drones, SmartDrones, Mile High Drones, AIRPIX, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market segmentation**

Photovoltaic Drone Inspection Services market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help

you expand your business by targeting qualified niche markets.

### **Market segment by Type**

Fixed-wing

Multi-rotor

Hybrid (Fixed-wing VTOL)

### **Market segment by Periods**

Daytime Inspection

Nighttime Covert Inspection

24-hour Continuous Patrol

### **Market segment by Operating Modes**

Manual Remote Control

Semi-Automatic

Fully Automatic

### **Market segment by Application**

Centralized Ground-Mounted Power Station

Mountainous Power Station

Rooftop Distributed Power Station

Other

## Market segment by players, this report covers

AETOS Group

Intertek

Flyability

Landpoint

Droneify

FORCE Technology

Equinox's Drones

SmartDrones

Mile High Drones

AIRPIX

Altitude Sight

Viper Drones

Dexon Technology

UAVOS

SIRON Deluge Services

ICR Group

C Drones

Airscope

Terra Drone

GarudaUAV

MIS Group

AUAV

Beijing Zhongfei Aiwei Aviation Technology

Autel Robotics

**Market segment by regions, regional analysis covers**

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Photovoltaic Drone Inspection Services product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Photovoltaic Drone Inspection Services, with revenue, gross margin, and global market share of Photovoltaic Drone Inspection Services from 2021 to 2026.

Chapter 3, the Photovoltaic Drone Inspection Services competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Photovoltaic Drone Inspection Services market forecast, by regions, by Type and by

Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Photovoltaic Drone Inspection Services.

Chapter 13, to describe Photovoltaic Drone Inspection Services research findings and conclusion.

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