

# South Korea Drones Market Size, Share, Trends and Forecast by Type, Component, Payload, Point of Sale, End-Use Industry, and Region, 2026-2034

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## Abstracts

The South Korea drones market size reached USD 646.2 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 1,513.4 Million by 2034, exhibiting a growth rate (CAGR) of 9.62 % during 2026-2034. The market is fueled by government support, sophisticated technology infrastructure, and increased demand from various sectors. Government policies encouraging drone innovation through testbed cities, regulatory encouragement, and investment in urban air mobility is also escalating product demand. The extensive use of drones in smart cities for inspections, delivery, and surveillance and for supporting precision agriculture and industrial maintenance, is supporting the growing South Korea drones market share.

### SOUTH KOREA DRONES MARKET TRENDS:

#### Government Support and National Drone Strategy

One of the primary drivers for the South Korea drones market is strong government backing supported by an extensive national drone strategy. South Korea has also identified multiple areas as testbeds for drones wherein startups and businesses can test urban air mobility, delivery, inspection, and surveillance technologies in welcome regulatory environments. These efforts encompass simplified certification procedures, drone corridors, and capital investments in vertiports and test facilities. The administration's pledge to develop a homegrown drone ecosystem, covering research centers, industrial parks, and public-private collaborations, inspires local and overseas players to innovate within the country. By nurturing domestic drone production and localization, South Korea hopes to lower dependence on imports and enhance its role as a regional leader in aerospace technology. This integrated policy environment drives

drone adoption in various industries and enables supply chain expansion from component manufacturers to complete drone integrators, which also supports the South Korea drones market growth.

### Intelligent Cities, Infrastructure Planning, and Urban Applications

Urban centers in South Korea, especially urban cities such as Seoul, Busan, and Incheon, are leading the way as intelligent city innovators, utilizing drones for a broad range of applications. In smart city areas, drones are used to support traffic monitoring, air quality reconnaissance, infrastructure inspections, and emergency response management. Densely populated urban communities and sophisticated infrastructure in South Korea are supported by airborne inspections of bridges, high-rise buildings, and utility cables that minimize dependence on manual or scaffold-based surveys. Drone delivery pilots for medical equipment, e-commerce parcels, and essential items are being tested in island and remote metropolitan environments. In addition, drones aid planning and development through precise mapping and real-time site inspection. Synergies between city-scale digital infrastructure (IoT, high-speed 5G connectivity) and drone deployment fuel adoption and are distinctive to South Korea's urban development environment.

### Precision Agriculture, Industrial Inspection, and Commercial Expansion

South Korea's farming industry, while smaller in scale relative to giant grain producers, is increasingly utilizing drone technology to cope with labor shortages, maximize land use efficiency, and enhance yield quality. Drones enable precision farming through precise crop spraying, field mapping, and real-time monitoring. Specialty farmers like those growing ginseng, tea, or high-value horticulture, use drones to identify early plant stress and control microclimates, both improving quality and sustainability. At the same time, industrial inspection applications, particularly at shipyards, offshore facilities, and factories are expanding fast. Inspections using drones minimize downtime, enhance worker safety, and offer high-resolution imagery for maintenance purposes. Local firms and Korean startups are partnering with major manufacturers to create models suited to these domestic use cases, such as drones that can fly in hot humid coastal weather or unpredictable mountainous environments. For example, in February 2025, similar to services offered by multinational agricultural machinery companies like John Deere, Daedong launched a new precision farming service in Korea. As the only Korean firm to commercialize its precision agricultural solution service, Daedong (co-CEOs Kim Jun-sik and Won Yu-hyun), a leader in future agriculture, revealed on February 27 that it has inked its first contracts with local rice farmers this year. This overlap of requirements in

agriculture, industry, and commerce is driving the South Korea drone market ahead through diversified, locally applicable uses.

#### SOUTH KOREA DRONES MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on type, component, payload, point of sale, and end-use industry.

##### Type Insights:

Fixed Wing

Rotary Wing

Hybrid

The report has provided a detailed breakup and analysis of the market based on the type. This includes fixed wing, rotary wing, and hybrid.

##### Component Insights:

Hardware

Software

Accessories

The report has provided a detailed breakup and analysis of the market based on the component. This includes hardware, software, and accessories.

##### Payload Insights:

170 Kilograms

A detailed breakup and analysis of the market based on the payload have also been provided in the report. This includes 170 kilograms.

#### Point of Sale Insights:

Original Equipment Manufacturers (OEM)

Aftermarket

The report has provided a detailed breakup and analysis of the market based on the point of sale. This includes original equipment manufacturers (OEM) and aftermarket.

#### End-Use Industry Insights:

Construction

Agriculture

Military and Defense

Law Enforcement

Logistics

Media and Entertainment

Others

A detailed breakup and analysis of the market based on the end-use industry have also been provided in the report. This includes construction, agriculture, military and defense, law enforcement, logistics, media and entertainment, and others.

#### Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

#### COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

#### KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea drones market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea drones market on the basis of type?

What is the breakup of the South Korea drones market on the basis of component?

What is the breakup of the South Korea drones market on the basis of payload?

What is the breakup of the South Korea drones market on the basis of point of sale?

What is the breakup of the South Korea drones market on the basis of end-use industry?

What is the breakup of the South Korea drones market on the basis of region?

What are the various stages in the value chain of the South Korea drones market?

What are the key driving factors and challenges in the South Korea drones market?

What is the structure of the South Korea drones market and who are the key players?

What is the degree of competition in the South Korea drones market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 SOUTH KOREA DRONES MARKET - INTRODUCTION**

- 4.1 Overview
- 4.2 Market Dynamics
- 4.3 Industry Trends
- 4.4 Competitive Intelligence

### **5 SOUTH KOREA DRONES MARKET LANDSCAPE**

- 5.1 Historical and Current Market Trends (2020-2025)
- 5.2 Market Forecast (2026-2034)

### **6 SOUTH KOREA DRONES MARKET - BREAKUP BY TYPE**

- 6.1 Fixed Wing
  - 6.1.1 Overview
  - 6.1.2 Historical and Current Market Trends (2020-2025)
  - 6.1.3 Market Forecast (2026-2034)
- 6.2 Rotary Wing
  - 6.2.1 Overview
  - 6.2.2 Historical and Current Market Trends (2020-2025)

### 6.2.3 Market Forecast (2026-2034)

## 6.3 Hybrid

### 6.3.1 Overview

### 6.3.2 Historical and Current Market Trends (2020-2025)

### 6.3.3 Market Forecast (2026-2034)

## 7 SOUTH KOREA DRONES MARKET - BREAKUP BY COMPONENT

### 7.1 Hardware

#### 7.1.1 Overview

#### 7.1.2 Historical and Current Market Trends (2020-2025)

#### 7.1.3 Market Forecast (2026-2034)

### 7.2 Software

#### 7.2.1 Overview

#### 7.2.2 Historical and Current Market Trends (2020-2025)

#### 7.2.3 Market Forecast (2026-2034)

### 7.3 Accessories

#### 7.3.1 Overview

#### 7.3.2 Historical and Current Market Trends (2020-2025)

#### 7.3.3 Market Forecast (2026-2034)

## 8 SOUTH KOREA DRONES MARKET - BREAKUP BY PAYLOAD

### 8.1 170 Kilograms

#### 8.3.1 Overview

#### 8.3.2 Historical and Current Market Trends (2020-2025)

#### 8.3.3 Market Forecast (2026-2034)

## 9 SOUTH KOREA DRONES MARKET - BREAKUP BY POINT OF SALE

### 9.1 Original Equipment Manufacturers (OEM)

#### 9.1.1 Overview

#### 9.1.2 Historical and Current Market Trends (2020-2025)

#### 9.1.3 Market Forecast (2026-2034)

### 9.2 Aftermarket

#### 9.2.1 Overview

#### 9.2.2 Historical and Current Market Trends (2020-2025)

#### 9.2.3 Market Forecast (2026-2034)

## **10 SOUTH KOREA DRONES MARKET - BREAKUP BY END-USE INDUSTRY**

### **10.1 Construction**

#### **10.1.1 Overview**

#### **10.1.2 Historical and Current Market Trends (2020-2025)**

#### **10.1.3 Market Forecast (2026-2034)**

### **10.2 Agriculture**

#### **10.2.1 Overview**

#### **10.2.2 Historical and Current Market Trends (2020-2025)**

#### **10.2.3 Market Forecast (2026-2034)**

### **10.3 Military and Defense**

#### **10.3.1 Overview**

#### **10.3.2 Historical and Current Market Trends (2020-2025)**

#### **10.3.3 Market Forecast (2026-2034)**

### **10.4 Law Enforcement**

#### **10.4.1 Overview**

#### **10.4.2 Historical and Current Market Trends (2020-2025)**

#### **10.4.3 Market Forecast (2026-2034)**

### **10.5 Logistics**

#### **10.5.1 Overview**

#### **10.5.2 Historical and Current Market Trends (2020-2025)**

#### **10.5.3 Market Forecast (2026-2034)**

### **10.6 Media and Entertainment**

#### **10.6.1 Overview**

#### **10.6.2 Historical and Current Market Trends (2020-2025)**

#### **10.6.3 Market Forecast (2026-2034)**

### **10.7 Others**

#### **10.7.1 Historical and Current Market Trends (2020-2025)**

#### **10.7.2 Market Forecast (2026-2034)**

## **11 SOUTH KOREA DRONES MARKET – BREAKUP BY REGION**

### **11.1 Seoul Capital Area**

#### **11.1.1 Overview**

#### **11.1.2 Historical and Current Market Trends (2020-2025)**

#### **11.1.3 Market Breakup by Type**

#### **11.1.4 Market Breakup by Component**

#### **11.1.5 Market Breakup by Payload**

#### **11.1.6 Market Breakup by Point of Sale**

- 11.1.7 Market Breakup by End-Use Industry
- 11.1.8 Key Players
- 11.1.9 Market Forecast (2026-2034)
- 11.2 Yeongnam (Southeastern Region)
  - 11.2.1 Overview
  - 11.2.2 Historical and Current Market Trends (2020-2025)
  - 11.2.3 Market Breakup by Type
  - 11.2.4 Market Breakup by Component
  - 11.2.5 Market Breakup by Payload
  - 11.2.6 Market Breakup by Point of Sale
  - 11.2.7 Market Breakup by End-Use Industry
  - 11.2.8 Key Players
  - 11.2.9 Market Forecast (2026-2034)
- 11.3 Honam (Southwestern Region)
  - 11.3.1 Overview
  - 11.3.2 Historical and Current Market Trends (2020-2025)
  - 11.3.3 Market Breakup by Type
  - 11.3.4 Market Breakup by Component
  - 11.3.5 Market Breakup by Payload
  - 11.3.6 Market Breakup by Point of Sale
  - 11.3.7 Market Breakup by End-Use Industry
  - 11.3.8 Key Players
  - 11.3.9 Market Forecast (2026-2034)
- 11.4 Hoseo (Central Region)
  - 11.4.1 Overview
  - 11.4.2 Historical and Current Market Trends (2020-2025)
  - 11.4.3 Market Breakup by Type
  - 11.4.4 Market Breakup by Component
  - 11.4.5 Market Breakup by Payload
  - 11.4.6 Market Breakup by Point of Sale
  - 11.4.7 Market Breakup by End-Use Industry
  - 11.4.8 Key Players
  - 11.4.9 Market Forecast (2026-2034)
- 11.5 Others
  - 11.5.1 Historical and Current Market Trends (2020-2025)
  - 11.5.2 Market Forecast (2026-2034)

## **12 SOUTH KOREA DRONES MARKET – COMPETITIVE LANDSCAPE**

- 12.1 Overview
- 12.2 Market Structure
- 12.3 Market Player Positioning
- 12.4 Top Winning Strategies
- 12.5 Competitive Dashboard
- 12.6 Company Evaluation Quadrant

## **13 PROFILES OF KEY PLAYERS**

- 13.1 Company A
  - 13.1.1 Business Overview
  - 13.1.2 Products Offered
  - 13.1.3 Business Strategies
  - 13.1.4 SWOT Analysis
  - 13.1.5 Major News and Events
- 13.2 Company B
  - 13.2.1 Business Overview
  - 13.2.2 Products Offered
  - 13.2.3 Business Strategies
  - 13.2.4 SWOT Analysis
  - 13.2.5 Major News and Events
- 13.3 Company C
  - 13.3.1 Business Overview
  - 13.3.2 Products Offered
  - 13.3.3 Business Strategies
  - 13.3.4 SWOT Analysis
  - 13.3.5 Major News and Events
- 13.4 Company D
  - 13.4.1 Business Overview
  - 13.4.2 Products Offered
  - 13.4.3 Business Strategies
  - 13.4.4 SWOT Analysis
  - 13.4.5 Major News and Events
- 13.5 Company E
  - 13.5.1 Business Overview
  - 13.5.2 Products Offered
  - 13.5.3 Business Strategies
  - 13.5.4 SWOT Analysis
  - 13.5.5 Major News and Events

## **14 SOUTH KOREA DRONES MARKET - INDUSTRY ANALYSIS**

### **14.1 Drivers, Restraints, and Opportunities**

#### **14.1.1 Overview**

#### **14.1.2 Drivers**

#### **14.1.3 Restraints**

#### **14.1.4 Opportunities**

### **14.2 Porters Five Forces Analysis**

#### **14.2.1 Overview**

#### **14.2.2 Bargaining Power of Buyers**

#### **14.2.3 Bargaining Power of Suppliers**

#### **14.2.4 Degree of Competition**

#### **14.2.5 Threat of New Entrants**

#### **14.2.6 Threat of Substitutes**

### **14.3 Value Chain Analysis**

## **15 APPENDIX**

## I would like to order

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