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Global Hybrid UAV Engines Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Hybrid UAV Engines market size was valued at US$ 42.2 million in 2024 and is forecast to a readjusted size of USD 136 million by 2031 with a CAGR of 18.5% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

There are multiple options for UAV powertrains, allowing for more choices based on different mission parameters. UAVs can be fully electric, powered by an internal combustion engine (ICE), or they can operate in hybrid mode, where the UAV powertrain works in conjunction with the ICE to provide electrical power to the aircraft when necessary. Hybrid mode provides UAV designers with the option to optimize engine size while using batteries for range extension, emergency landing, or power assist during takeoff. This report focuses on the hybrid UAV engines market.

This report is a detailed and comprehensive analysis for global Hybrid UAV Engines market. Both quantitative and qualitative analyses are presented by manufacturers, 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:

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Global Hybrid UAV Engines market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Hybrid UAV Engines market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Hybrid UAV Engines market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Hybrid UAV Engines market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

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 Hybrid UAV Engines

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 Hybrid UAV Engines market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yamaha Motor, O.S.ENGINES, Orbital UAV, Northwest UAV, AECC Aviation Power, Zonshen Power, Anhui Yingliu Electromechanical, Pratt & Whitney, Rolls-Royce, Safran, etc.

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

Market Segmentation

Hybrid UAV Engines market is split by Type and by Application. For the period

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2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Piston Engine

Gas Turbine Engine

Others

Market segment by Application

eVTOL

UAV

Helicopter

Others

Major players covered

Yamaha Motor

O.S.ENGINES

Orbital UAV

Northwest UAV

AECC Aviation Power

Zonshen Power

Anhui Yingliu Electromechanical

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Pratt & Whitney

Rolls-Royce

Safran

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Hybrid UAV Engines product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hybrid UAV Engines, with price, sales quantity, revenue, and global market share of Hybrid UAV Engines from 2020 to 2025.

Chapter 3, the Hybrid UAV Engines competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hybrid UAV Engines breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

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share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Hybrid UAV Engines market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hybrid UAV Engines.

Chapter 14 and 15, to describe Hybrid UAV Engines sales channel, distributors, customers, research findings and conclusion.

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