

Sub-Orbital Reusable Vehicle (SRV) Market: Focus on Application, System, and Country - Analysis and Forecast, 2021-2031

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Abstracts

Market Report Coverage - Sub-Orbital Reusable Vehicle (SRV)

Market Segmentation

Application: Cargo Delivery, Earth Observation/Remote Sensing, Space Tourism, Satellite Deployment, and Others

Product: Propulsion System, Avionics (Guidance and Navigation System, Command and Data Handling System, and Telemetry System), and Power System

Regional Segmentation

America: U.S. and Canada

U.K., Germany, France, and Rest-of-Europe

Asia-Pacific: China, Japan, Singapore, and Rest-of-Asia-Pacific

Rest-of-World

Key Players Profiled

Key Players: Orbital Space Systems Pte Ltd., exos Aerospace Systems & Technologies, inc., Orbispace, PD

ce, LTD, SpaceX, UP Aerospace Inc., Virgin Galactic

Can Add Value

novation Strategy: The product section will help the reader understand the different system used in sub-vehicle (SRV). The players operating in this market are developing innovative offerings and are highly as well as demonstrating their platform capabilities.

ing Strategies: The players operating in the global sub-orbital reusable vehicle (SRV) market are strategies, including strategic partnerships, contracts, and business expansion. The strategies will help the readers in understanding the revenue-generating strategies adopted by the in the global sub-orbital reusable vehicle (SRV) market. For instance, in March 2021, exos ms & Technologies, inc., received an Air Force Small Business Innovation Research (SBIR) Phase II contract is for developing a prototype for lightweight dual-use application of the company's existing able sub-orbital sounding rocket (SARGE). The prototype could perform missions and support evaluate materials, sensors, and flight controls in the hypersonic regime, potentially from Mach 6 to

answered in the Report

structures resulting in the emerging trends within the sub-orbital reusable vehicle market?

opportunities in the market for new OEMs and other players to enter?

ected to lead the sub-orbital reusable vehicle market by 2031?

ue of the regions in the sub-orbital reusable vehicle market in 2020, and how is the market estimated ast period 2021-2031?

ected to evolve during the forecast period 2021-2031?

plemental strategies that are implemented by the key players to sustain the competitive market?

(SRV) Market

pace tourism capabilities have been demonstrated in the past. For instance, in the 1920s, Robert H. d-fueled rocket, which started scientific sub-orbital flights. The scientists expected to perform above the atmosphere with the main use of sub-orbital flight. After the X-20 Dyna-Soar project,

at focus on sub-orbital transportations have been conducted. Additionally, the first tourist to space the ISS onboard Russia's Soyuz spaceship in 2001. From 2001 to 2009, private individuals were aboard a Russian Soyuz spacecraft. From 2001 to 2009, Space Adventures, a space tourism company, took tourists to the ISS for seven private individuals with the help of Russia's Space Agency.

g on developing technologies, platforms as well as spaceports that will enable space transportation. What the industry is focusing is the reusability of space systems such as suborbital or orbital reusable launch vehicles that will allow the companies to reduce costs as well as operate the system for several missions. The market showcase that this market has the potential to have immense growth in the upcoming

(SRV) Industry Overview

There has been significant interest from several space industries in the past few years. In the past, most space companies focused on cargo supply missions to the International Space Station (ISS) and launch services, but currently, the focus is on sub-orbital transportation, planetary explorations, crewed missions, sub-orbital transportation, and space tourism. Companies including SpaceX, Blue Origin, and Virgin Galactic, have been focusing on developing platforms such as reusable launch vehicles that will enable the industry to carry out sub-orbital transportation and space tourism.

The Sub-Orbital Reusable Vehicle (SRV) market is estimated to reach \$1.86 billion in 2031, at a compound annual growth rate of 15.2% during the forecast period 2021-2031. The major driving factor for the market's robustness will be focused efforts on supporting emerging start-ups in sub-orbital transportation, and increasing developments in low-cost launching

(SRV) Market by Application

Research, testing, and experiments application segment is expected to dominate the global sub-orbital transportation market on account of major focus on carrying out scientific research, payload testing, and experiments, and the development of reusable flight vehicles.

(SRV) Market by System

Reusable launch vehicles are expected to lead the market during the forecast period from 2021 to 2031. One of the factors contributing to this growth is the number of emerging companies involved in developing such reusable vehicles that will carry out sub-

(SRV) Market by Region

dominate the global sub-orbital reusable vehicle (SRV) market during the forecast period. The number of launches and test flights carried out by key players in this market has created an opportunity not only for new entrants who want to enter the market. Apart from this, these successful demonstrations have proven the viability of the technology and may push these companies to commercialize their product offerings.

Competition Synopsis

Key players in the market include Lockheed Martin, Boeing, SpaceX, Blue Origin, Virgin Galactic, Sierra Nevada Corporation, Exospace Systems & Technologies, Inc., Orbispace, PD AeroSpace, LTD, and Virgin Galactic.

The companies mentioned in the report have been selected post undergoing in-depth interviews with experts and understanding their business as product portfolio, annual revenues, market penetration, research and development initiatives, and their presence in the space industry.

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