

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

<https://marketpublishers.com/r/S8DF454770CEEN.html>

Date: September 2021

Pages: 83

Price: US\$ 4,000.00 (Single User License)

ID: S8DF454770CEEN

## **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

Europe: 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 al strategies, including strategic partnerships, contracts, and business expansion. The g strategies will help the readers in understanding the revenue-generating strategies adopted by the g 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 ntract is for developing a prototype for lightweight dual-use application of the company's existing ble sub-orbital sounding rocket (SARGE). The prototype could perform missions and support valuate 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?

pmental 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 board a Russian Soyuz spacecraft. From 2001 to 2009, Space Adventures, a space tourism company, tours 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. hat the industry is focusing is the reusability of space systems such as suborbital or orbital reusable allow the companies to reduce costs as well as operate the system for several missions. The he market showcase that this market has the potential to have immense growth in the upcoming

## (SRV) Industry Overview

red significant interest from several space industries in the past few years. In the past, most space l on cargo supply missions to the International Space Station (ISS) and launch services, but currently, e transportation, planetary explorations, crewed missions, sub-orbital transportation, and space luding SpaceX, Blue Origin, and Virgin Galactic, have been focusing on developing platforms such as cles that will enable the industry to carry out sub-orbital transportation and space tourism.

vehicle (SRV) market is estimated to reach \$1.86 billion in 2031, at a compound annual growth rate reforecast period 2021-2031. The major driving factor for the market's robustness will be focused efforts emerging start-ups in sub-orbital transportation, and increasing developments in low-cost launching

## (SRV) Market by Application

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

## (SRV) Market by System

ected to lead the market during the forecast period from 2021 to 2031. One of the factors contributing mber 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 demonstrations and test flights carried out by key players in this market has created an opportunity not only for those who want to enter the market. Apart from this, these successful demonstrations have proven the capability to push these companies to commercialize their product offerings.

#### Competition Synopsis

Key players in the market include Aerospac Systems Pte Ltd., exos Aerospace Systems & Technologies, inc., Orbispace, PD AeroSpace, LTD, Virgin Galactic

For the report, selected companies have been interviewed in-depth with experts to gain understanding of their product portfolio, annual revenues, market penetration, research and development initiatives, and their presence in the space industry.

## Contents

### 1 MARKETS

#### 1.1 Industry Outlook

##### 1.1.1 Evolving Space Transportation Market: An Overview

##### 1.1.2 Enabling Technologies for Next-Gen Space-Based Transportation

###### 1.1.2.1 Reusable Launch Vehicles (RLV)

###### 1.1.2.2 On-Orbit Transportation Technologies

### 2 DEMAND ANALYSIS OF SUB-ORBITAL REUSABLE VEHICLE MARKET

#### 2.1 Market Overview

#### 2.2 Sub-Orbital Reusable Vehicle Market (by Application)

##### 2.2.1 Cargo Delivery

##### 2.2.2 Earth Observation/Remote Sensing

##### 2.2.3 Space Tourism

##### 2.2.4 Satellite Deployment

##### 2.2.5 Other Applications

#### 2.3 Sub-Orbital Reusable Vehicle Market (by System)

##### 2.3.1.1 Propulsion System

##### 2.3.1.2 Avionics

###### 2.3.1.2.1 Guidance and Navigation System

###### 2.3.1.2.2 Command and Data Handling System

###### 2.3.1.2.3 Telemetry System

##### 2.3.1.3 Power System

### 3 REGIONS

#### 3.1 North America

##### 3.1.1 Key Players in North America

##### 3.1.2 North America Sub-Orbital Reusable Vehicle Market

##### 3.1.3 North America (by Country)

###### 3.1.3.1 U.S.

###### 3.1.3.1.1 U.S. Sub-Orbital Reusable Vehicle Market

###### 3.1.3.2 Canada

###### 3.1.3.2.1 Canada Sub-Orbital Reusable Vehicle Market

#### 3.2 Europe

##### 3.2.1 Key Players in Europe

### 3.2.2 Europe Sub-Orbital Reusable Vehicle Market

### 3.2.3 Europe (by Country)

#### 3.2.3.1 U.K.

##### 3.2.3.1.1 U.K. Sub-Orbital Reusable Vehicle Market

#### 3.2.3.2 Germany

##### 3.2.3.2.1 Germany Sub-Orbital Reusable Vehicle Market

#### 3.2.3.3 France

##### 3.2.3.3.1 France Sub-Orbital Reusable Vehicle Market

#### 3.2.3.4 Rest-of-Europe

##### 3.2.3.4.1 Rest-of-Europe Reusable Vehicle Market

### 3.3 Asia-Pacific

#### 3.3.1 Key Players in Asia-Pacific

#### 3.3.2 Asia-Pacific Sub-Orbital Reusable Vehicle Market

#### 3.3.3 Asia-Pacific (by Country)

##### 3.3.3.1 China

##### 3.3.3.1.1 China Sub-Orbital Reusable Vehicle Market

##### 3.3.3.2 Japan

##### 3.3.3.2.1 Japan Sub-Orbital Reusable Vehicle Market

##### 3.3.3.3 Singapore

##### 3.3.3.3.1 Singapore Sub-Orbital Reusable Vehicle Market

##### 3.3.3.4 Rest-of-Asia-Pacific

##### 3.3.3.4.1 Rest-of-Asia-Pacific Reusable Vehicle Market

### 3.4 Rest-of-the-World

#### 3.4.1 Latin America

##### 3.4.1.1 Latin America Sub-Orbital Reusable Vehicle Market

#### 3.4.2 Middle East and Africa

##### 3.4.2.1 Middle East and Africa Sub-Orbital Reusable Vehicle Market

## 4 COMPANY PROFILES

### 4.1 Blue Origin

#### 4.1.1 Company Overview

##### 4.1.1.1 Role of Blue Origin in Global Sub-Orbital Reusable Vehicle Market

#### 4.1.2 Product Portfolio

#### 4.1.3 Strength and Weakness of Blue Origin

### 4.2 Equatorial Space Systems Pte Ltd.

#### 4.2.1 Company Overview

##### 4.2.1.1 Role of Equatorial Space Systems Pte Ltd. in Global Sub-Orbital Reusable Vehicle Market

- 4.2.1.2 Product Portfolio
- 4.2.2 Corporate Strategies
  - 4.2.2.1 Agreements
- 4.2.3 Strength and Weakness of Equatorial Space Systems Pte Ltd.
- 4.3 exos Aerospace Systems & Technologies, inc.
  - 4.3.1 Company Overview
    - 4.3.1.1 Role of exos Aerospace Systems & Technologies, inc. in Global Sub-Orbital Reusable Vehicle Market
    - 4.3.1.2 Product Portfolio
  - 4.3.2 Corporate Strategies
    - 4.3.2.1 Contracts
  - 4.3.3 Strength and Weakness of exos Aerospace Systems & Technologies, inc.
- 4.4 Orbospace
  - 4.4.1 Company Overview
    - 4.4.1.1 Role of Orbospace in Global Sub-Orbital Reusable Vehicle Market
    - 4.4.1.2 Product Portfolio
  - 4.4.2 Strength and Weakness of Orbospace
- 4.5 PD AeroSpace, LTD
  - 4.5.1 Company Overview
    - 4.5.1.1 Role of PD AeroSpace, LTD in Global Sub-Orbital Reusable Vehicle Market
    - 4.5.1.2 Product Portfolio
  - 4.5.2 Corporate Strategies
    - 4.5.2.1 Agreement
  - 4.5.3 Strength and Weakness of PD AeroSpace, LTD
- 4.6 SpaceX
  - 4.6.1 Company Overview
    - 4.6.1.1 Role of SpaceX in Global Sub-Orbital Reusable Vehicle Market
    - 4.6.1.2 Product Portfolio
  - 4.6.2 Strength and Weakness of SpaceX
- 4.7 UP Aerospace Inc.
  - 4.7.1 Company Overview
    - 4.7.1.1 Role of UP Aerospace Inc. in Global Sub-Orbital Reusable Vehicle Market
    - 4.7.1.2 Product Portfolio
  - 4.7.2 Corporate Strategies
    - 4.7.2.1 Contract
  - 4.7.3 Strength and Weakness of UP Aerospace Inc.
- 4.8 Virgin Galactic
  - 4.8.1 Company Overview
    - 4.8.1.1 Role of Virgin Galactic in Global Sub-Orbital Reusable Vehicle Market

- 4.8.1.2 Product Portfolio
- 4.8.2 Business Strategies
  - 4.8.2.1 Product Launch
- 4.8.3 Corporate Strategies
  - 4.8.3.1 Partnerships and Merger
  - 4.8.3.2 Contract
- 4.8.4 Strength and Weakness of Virgin Galactic
- 4.8.5 R&D Analysis
- 4.9 Other Key Players
  - 4.9.1 i-Space (Beijing Interstellar Glory Space Technology Ltd.)
  - 4.9.2 SHIPinSPACE LTD
  - 4.9.3 bluShift Aerospace, Inc.
  - 4.9.4 Suborbitality s.r.o.
  - 4.9.5 Starchaser Industries Ltd

## **5 RESEARCH METHODOLOGY**



## List Of Figures

### LIST OF FIGURES

Figure 1: Global Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Figure 2: Global Sub-Orbital Reusable Vehicle Market (by Application), \$Million, 2021 and 2031

Figure 3: Global Sub-Orbital Reusable Vehicle Market (by System), \$Million, 2021 and 2031

Figure 4: Global Sub-Orbital Reusable Vehicle Market (by Region), \$Million, 2020

Figure 5: Sub-Orbital Reusable Vehicle Market Coverage

Figure 6: Space Tourism: Timeline

Figure 7: Global Sub-Orbital Reusable Vehicle Market (by Application)

Figure 8: Global Sub-Orbital Reusable Vehicle Market for Cargo Delivery, \$Million, 2020-2031

Figure 9: Global Sub-Orbital Reusable Vehicle Market for Earth Observation/Remote Sensing, \$Million, 2020-2031

Figure 10: Global Sub-Orbital Reusable Vehicle Market for Space Tourism, \$Million, 2020-2031

Figure 11: Global Sub-Orbital Reusable Vehicle Market for Satellite Deployment, \$Million, 2020-2031

Figure 12: Global Sub-Orbital Reusable Vehicle Market for Other Applications, \$Million 2020-2031

Figure 13: Global Sub-Orbital Reusable Vehicle Market (by System)

Figure 14: Global Sub-Orbital Reusable Vehicle Market (by System), \$Million, 2020-2031

Figure 15: Global Sub-Orbital Reusable Vehicle Market (by Avionics), \$Million, 2020-2031

Figure 16: Virgin Galactic R&D (2019-2020)

Figure 17: Research Methodology

Figure 18: Top-Down and Bottom-Up Approach

Figure 19: Sub-Orbital Reusable Vehicle Market Influencing Factors

Figure 20: Assumptions and Limitations

## List Of Tables

### LIST OF TABLES

Table 1: Examples of On-Orbit Transportation Technologies

Table 2: Space-Related Tourism Experiences

Table 3: Global Sub-Orbital Reusable Vehicle Market (by Region), \$Million, 2020-2031

Table 4: North America Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 5: U.S. Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 6: Canada Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 7: Europe Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 8: U.K. Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 9: Germany Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 10: France Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 11: Rest-of-Europe Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 12: Asia-Pacific Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 13: China Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 14: Japan Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 15: Singapore Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 16: Rest-of-Asia-Pacific Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 17: Latin America Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 18: Middle East and Africa Sub-Orbital Reusable Vehicle Market, \$Million, 2020-2031

Table 19: Blue Origin: Product Portfolio

Table 20: Equatorial Space Systems Pte Ltd.: Product Portfolio

Table 21: Agreements

Table 22: exos Aerospace Systems & Technologies, inc.: Product Portfolio

Table 23: Contracts

Table 24: Orbispace: Product Portfolio

Table 25: PD AeroSpace, LTD: Product Portfolio

Table 26: Agreement

Table 27: SpaceX: Product Portfolio

Table 28: UP Aerospace Inc.: Product Portfolio

Table 29: Contract

Table 30: Virgin Galactic: Product Portfolio

Table 31: Product Launch

Table 32: Partnerships and Merger

Table 33: Contract

## I would like to order

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

Product link: <https://marketpublishers.com/r/S8DF454770CEEN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S8DF454770CEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

