

Global Communication Satellite Launch Services Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GDC891E049FFEN.html>

Date: June 2026

Pages: 176

Price: US\$ 4,480.00 (Single User License)

ID: GDC891E049FFEN

Abstracts

The global Communication Satellite Launch Services market size is expected to reach \$ 78785 million by 2032, rising at a market growth of 41.7% CAGR during the forecast period (2026-2032).

Communication Satellite Launch Services refer to integrated launch solutions provided by commercial or governmental space entities to deliver communication satellites into designated orbits such as geostationary orbit (GEO), low Earth orbit (LEO), or medium Earth orbit (MEO). These services include launch vehicle operations, orbital insertion, satellite deployment, mission planning, and launch support. The primary objective is to ensure precise and reliable placement of communication satellites to meet coverage, capacity, and operational lifespan requirements. With growing global communication demand and satellite internet expansion, these services are evolving toward higher reliability, precision, and cost efficiency, forming a critical backbone of space-based communication infrastructure.

The upstream of communication satellite launch services includes launch vehicles, rocket engines, propellants, composite structures, avionics systems, and launch infrastructure, along with advanced materials and precision manufacturing. The midstream consists of launch service providers and integrators such as SpaceX, Arianespace, and United Launch Alliance, responsible for launch execution and commercial operations. Downstream includes satellite manufacturers and operators such as SES, Intelsat, and Eutelsat, serving broadcasting, broadband internet, mobile communications, and government applications.

The communication satellite launch services market is undergoing structural transformation, shifting from a traditional GEO-dominated model to a more diversified

demand driven by LEO constellations. With the growth of satellite internet and global broadband connectivity, launch services are evolving toward higher frequency, lower cost, and scalable operations, with reusable rocket technology playing a key role in cost reduction. Trends include declining demand for large GEO satellites and rapidly increasing demand for LEO constellation launches, along with the rise of rideshare and batch launch models. Growth is driven by increasing global data demand, connectivity needs in remote regions, and strong commercial investment, while challenges include launch risks, orbital congestion, spectrum regulation, and intensifying competition. Overall, the market is transitioning from a 'high-value, low-frequency' model to a 'moderate-value, high-frequency' paradigm.

This report studies the global Communication Satellite Launch Services demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Communication Satellite Launch Services, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Communication Satellite Launch Services that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Communication Satellite Launch Services total market, 2021-2032, (USD Million)

Global Communication Satellite Launch Services total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Communication Satellite Launch Services total market, key domestic companies, and share, (USD Million)

Global Communication Satellite Launch Services revenue by player, revenue and market share 2021-2026, (USD Million)

Global Communication Satellite Launch Services total market by Type, CAGR, 2021-2032, (USD Million)

Global Communication Satellite Launch Services total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Communication Satellite Launch 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 NASA, SpaceX, Rocket Lab, Blue Origin, Arianespace, Astra, Evolution Space, Firefly Aerospace, International Launch Services,

Mitsubishi, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Communication Satellite Launch Services market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Communication Satellite Launch Services Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Communication Satellite Launch Services Market, Segmentation by Type:

Disposable Rocket

Reusable Rocket

Global Communication Satellite Launch Services Market, Segmentation by Orbit Type:

Low Earth Orbit

Medium Earth Orbit

Geosynchronous Orbit

Global Communication Satellite Launch Services Market, Segmentation by Payload Capacity:

2?10 Tons

10?50 Tons

>50 Tons

Global Communication Satellite Launch Services Market, Segmentation by Application:

Commercial

Military

Companies Profiled:

NASA

SpaceX

Rocket Lab

Blue Origin

Arianespace

Astra

Evolution Space

Firefly Aerospace

International Launch Services

Mitsubishi

SES

United Launch Allianc

Maritime Launch

Northrop Grumman

GK Launch Services

Relativity Space

Virgin

HyImpulse

SPACE ONE

PLD Space

Rocket Factory Augsburg

Starsem

CAS Space

China Great Wall Industry Corporation

LandSpace

i-Space

Deep Blue Aerospace

Space Circling

Galactic Energy

Orienspace

Key Questions Answered

1. How big is the global Communication Satellite Launch Services market?
2. What is the demand of the global Communication Satellite Launch Services market?
3. What is the year over year growth of the global Communication Satellite Launch Services market?
4. What is the total value of the global Communication Satellite Launch Services market?
5. Who are the Major Players in the global Communication Satellite Launch Services market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Communication Satellite Launch Services Introduction
- 1.2 World Communication Satellite Launch Services Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Communication Satellite Launch Services Total Market by Region (by Headquarter Location)
 - 1.3.1 World Communication Satellite Launch Services Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.3 China Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.4 Europe Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.5 Japan Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.6 South Korea Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company Communication Satellite Launch Services Revenue (2021-2032)
 - 1.3.8 India Based Company Communication Satellite Launch Services Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Communication Satellite Launch Services Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Communication Satellite Launch Services Consumption Value (2021-2032)
- 2.2 World Communication Satellite Launch Services Consumption Value by Region
 - 2.2.1 World Communication Satellite Launch Services Consumption Value by Region (2021-2026)
 - 2.2.2 World Communication Satellite Launch Services Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Communication Satellite Launch Services Consumption Value

(2021-2032)

2.4 China Communication Satellite Launch Services Consumption Value (2021-2032)

2.5 Europe Communication Satellite Launch Services Consumption Value (2021-2032)

2.6 Japan Communication Satellite Launch Services Consumption Value (2021-2032)

2.7 South Korea Communication Satellite Launch Services Consumption Value
(2021-2032)

2.8 ASEAN Communication Satellite Launch Services Consumption Value (2021-2032)

2.9 India Communication Satellite Launch Services Consumption Value (2021-2032)

3 WORLD COMMUNICATION SATELLITE LAUNCH SERVICES COMPANIES COMPETITIVE ANALYSIS

3.1 World Communication Satellite Launch Services Revenue by Player (2021-2026)

3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global Communication Satellite Launch Services Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for Communication Satellite Launch Services
in 2025

3.2.3 Global Concentration Ratios (CR8) for Communication Satellite Launch Services
in 2025

3.3 Communication Satellite Launch Services Company Evaluation Quadrant

3.4 Communication Satellite Launch Services Market: Overall Company Footprint
Analysis

3.4.1 Communication Satellite Launch Services Market: Region Footprint

3.4.2 Communication Satellite Launch Services Market: Company Product Type
Footprint

3.4.3 Communication Satellite Launch Services Market: Company Product Application
Footprint

3.5 Competitive Environment

3.5.1 Historical Structure of the Industry

3.5.2 Barriers of Market Entry

3.5.3 Factors of Competition

3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

4.1 United States VS China: Communication Satellite Launch Services Revenue
Comparison (by Headquarter Location)

4.1.1 United States VS China: Communication Satellite Launch Services Revenue

Comparison (2021 & 2025 & 2032) (by Headquarter Location)

4.1.2 United States VS China: Communication Satellite Launch Services Revenue

Market Share Comparison (2021 & 2025 & 2032)

4.2 United States Based Companies VS China Based Companies: Communication Satellite Launch Services Consumption Value Comparison

4.2.1 United States VS China: Communication Satellite Launch Services Consumption Value Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Communication Satellite Launch Services Consumption Value Market Share Comparison (2021 & 2025 & 2032)

4.3 United States Based Communication Satellite Launch Services Companies and Market Share, 2021-2026

4.3.1 United States Based Communication Satellite Launch Services Companies, Headquarters (States, Country)

4.3.2 United States Based Companies Communication Satellite Launch Services Revenue, (2021-2026)

4.4 China Based Companies Communication Satellite Launch Services Revenue and Market Share, 2021-2026

4.4.1 China Based Communication Satellite Launch Services Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Communication Satellite Launch Services Revenue, (2021-2026)

4.5 Rest of World Based Communication Satellite Launch Services Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Communication Satellite Launch Services Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Communication Satellite Launch Services Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Communication Satellite Launch Services Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Disposable Rocket

5.2.2 Reusable Rocket

5.3 Market Segment by Type

5.3.1 World Communication Satellite Launch Services Market Size by Type (2021-2026)

5.3.2 World Communication Satellite Launch Services Market Size by Type (2027-2032)

5.3.3 World Communication Satellite Launch Services Market Size Market Share by

Type (2027-2032)

6 MARKET ANALYSIS BY ORBIT TYPE

6.1 World Communication Satellite Launch Services Market Size Overview by Orbit

Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Orbit Type

6.2.1 Low Earth Orbit

6.2.2 Medium Earth Orbit

6.2.3 Geosynchronous Orbit

6.3 Market Segment by Orbit Type

6.3.1 World Communication Satellite Launch Services Market Size by Orbit Type
(2021-2026)

6.3.2 World Communication Satellite Launch Services Market Size by Orbit Type
(2027-2032)

6.3.3 World Communication Satellite Launch Services Market Size Market Share by
Orbit Type (2027-2032)

7 MARKET ANALYSIS BY PAYLOAD CAPACITY

7.1 World Communication Satellite Launch Services Market Size Overview by Payload

Capacity: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Payload Capacity

7.2.1 2?10 Tons

7.2.2 10?50 Tons

7.2.3 >50 Tons

7.3 Market Segment by Payload Capacity

7.3.1 World Communication Satellite Launch Services Market Size by Payload Capacity
(2021-2026)

7.3.2 World Communication Satellite Launch Services Market Size by Payload Capacity
(2027-2032)

7.3.3 World Communication Satellite Launch Services Market Size Market Share by
Payload Capacity (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Communication Satellite Launch Services Market Size Overview by

Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Commercial

8.2.2 Military

8.3 Market Segment by Application

8.3.1 World Communication Satellite Launch Services Market Size by Application (2021-2026)

8.3.2 World Communication Satellite Launch Services Market Size by Application (2027-2032)

8.3.3 World Communication Satellite Launch Services Market Size Market Share by Application (2021-2032)

9 COMPANY PROFILES

9.1 NASA

9.1.1 NASA Details

9.1.2 NASA Major Business

9.1.3 NASA Communication Satellite Launch Services Product and Services

9.1.4 NASA Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 NASA Recent Developments/Updates

9.1.6 NASA Competitive Strengths & Weaknesses

9.2 SpaceX

9.2.1 SpaceX Details

9.2.2 SpaceX Major Business

9.2.3 SpaceX Communication Satellite Launch Services Product and Services

9.2.4 SpaceX Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 SpaceX Recent Developments/Updates

9.2.6 SpaceX Competitive Strengths & Weaknesses

9.3 Rocket Lab

9.3.1 Rocket Lab Details

9.3.2 Rocket Lab Major Business

9.3.3 Rocket Lab Communication Satellite Launch Services Product and Services

9.3.4 Rocket Lab Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 Rocket Lab Recent Developments/Updates

9.3.6 Rocket Lab Competitive Strengths & Weaknesses

9.4 Blue Origin

9.4.1 Blue Origin Details

9.4.2 Blue Origin Major Business

- 9.4.3 Blue Origin Communication Satellite Launch Services Product and Services
- 9.4.4 Blue Origin Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.4.5 Blue Origin Recent Developments/Updates
- 9.4.6 Blue Origin Competitive Strengths & Weaknesses
- 9.5 Arianespace
 - 9.5.1 Arianespace Details
 - 9.5.2 Arianespace Major Business
 - 9.5.3 Arianespace Communication Satellite Launch Services Product and Services
 - 9.5.4 Arianespace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Arianespace Recent Developments/Updates
 - 9.5.6 Arianespace Competitive Strengths & Weaknesses
- 9.6 Astra
 - 9.6.1 Astra Details
 - 9.6.2 Astra Major Business
 - 9.6.3 Astra Communication Satellite Launch Services Product and Services
 - 9.6.4 Astra Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Astra Recent Developments/Updates
 - 9.6.6 Astra Competitive Strengths & Weaknesses
- 9.7 Evolution Space
 - 9.7.1 Evolution Space Details
 - 9.7.2 Evolution Space Major Business
 - 9.7.3 Evolution Space Communication Satellite Launch Services Product and Services
 - 9.7.4 Evolution Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Evolution Space Recent Developments/Updates
 - 9.7.6 Evolution Space Competitive Strengths & Weaknesses
- 9.8 Firefly Aerospace
 - 9.8.1 Firefly Aerospace Details
 - 9.8.2 Firefly Aerospace Major Business
 - 9.8.3 Firefly Aerospace Communication Satellite Launch Services Product and Services
 - 9.8.4 Firefly Aerospace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Firefly Aerospace Recent Developments/Updates
 - 9.8.6 Firefly Aerospace Competitive Strengths & Weaknesses
- 9.9 International Launch Services
 - 9.9.1 International Launch Services Details

- 9.9.2 International Launch Services Major Business
- 9.9.3 International Launch Services Communication Satellite Launch Services Product and Services
- 9.9.4 International Launch Services Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.9.5 International Launch Services Recent Developments/Updates
- 9.9.6 International Launch Services Competitive Strengths & Weaknesses
- 9.10 Mitsubishi
- 9.10.1 Mitsubishi Details
- 9.10.2 Mitsubishi Major Business
- 9.10.3 Mitsubishi Communication Satellite Launch Services Product and Services
- 9.10.4 Mitsubishi Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.10.5 Mitsubishi Recent Developments/Updates
- 9.10.6 Mitsubishi Competitive Strengths & Weaknesses
- 9.11 SES
- 9.11.1 SES Details
- 9.11.2 SES Major Business
- 9.11.3 SES Communication Satellite Launch Services Product and Services
- 9.11.4 SES Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.11.5 SES Recent Developments/Updates
- 9.11.6 SES Competitive Strengths & Weaknesses
- 9.12 United Launch Allianc
- 9.12.1 United Launch Allianc Details
- 9.12.2 United Launch Allianc Major Business
- 9.12.3 United Launch Allianc Communication Satellite Launch Services Product and Services
- 9.12.4 United Launch Allianc Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.12.5 United Launch Allianc Recent Developments/Updates
- 9.12.6 United Launch Allianc Competitive Strengths & Weaknesses
- 9.13 Maritime Launch
- 9.13.1 Maritime Launch Details
- 9.13.2 Maritime Launch Major Business
- 9.13.3 Maritime Launch Communication Satellite Launch Services Product and Services
- 9.13.4 Maritime Launch Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.13.5 Maritime Launch Recent Developments/Updates

- 9.13.6 Maritime Launch Competitive Strengths & Weaknesses
- 9.14 Northrop Grumman
 - 9.14.1 Northrop Grumman Details
 - 9.14.2 Northrop Grumman Major Business
 - 9.14.3 Northrop Grumman Communication Satellite Launch Services Product and Services
 - 9.14.4 Northrop Grumman Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Northrop Grumman Recent Developments/Updates
 - 9.14.6 Northrop Grumman Competitive Strengths & Weaknesses
- 9.15 GK Launch Services
 - 9.15.1 GK Launch Services Details
 - 9.15.2 GK Launch Services Major Business
 - 9.15.3 GK Launch Services Communication Satellite Launch Services Product and Services
 - 9.15.4 GK Launch Services Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.15.5 GK Launch Services Recent Developments/Updates
 - 9.15.6 GK Launch Services Competitive Strengths & Weaknesses
- 9.16 Relativity Space
 - 9.16.1 Relativity Space Details
 - 9.16.2 Relativity Space Major Business
 - 9.16.3 Relativity Space Communication Satellite Launch Services Product and Services
 - 9.16.4 Relativity Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Relativity Space Recent Developments/Updates
 - 9.16.6 Relativity Space Competitive Strengths & Weaknesses
- 9.17 Virgin
 - 9.17.1 Virgin Details
 - 9.17.2 Virgin Major Business
 - 9.17.3 Virgin Communication Satellite Launch Services Product and Services
 - 9.17.4 Virgin Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Virgin Recent Developments/Updates
 - 9.17.6 Virgin Competitive Strengths & Weaknesses
- 9.18 HyImpulse
 - 9.18.1 HyImpulse Details
 - 9.18.2 HyImpulse Major Business
 - 9.18.3 HyImpulse Communication Satellite Launch Services Product and Services

- 9.18.4 HyImpulse Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.18.5 HyImpulse Recent Developments/Updates
- 9.18.6 HyImpulse Competitive Strengths & Weaknesses
- 9.19 SPACE ONE
 - 9.19.1 SPACE ONE Details
 - 9.19.2 SPACE ONE Major Business
 - 9.19.3 SPACE ONE Communication Satellite Launch Services Product and Services
 - 9.19.4 SPACE ONE Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.19.5 SPACE ONE Recent Developments/Updates
 - 9.19.6 SPACE ONE Competitive Strengths & Weaknesses
- 9.20 PLD Space
 - 9.20.1 PLD Space Details
 - 9.20.2 PLD Space Major Business
 - 9.20.3 PLD Space Communication Satellite Launch Services Product and Services
 - 9.20.4 PLD Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.20.5 PLD Space Recent Developments/Updates
 - 9.20.6 PLD Space Competitive Strengths & Weaknesses
- 9.21 Rocket Factory Augsburg
 - 9.21.1 Rocket Factory Augsburg Details
 - 9.21.2 Rocket Factory Augsburg Major Business
 - 9.21.3 Rocket Factory Augsburg Communication Satellite Launch Services Product and Services
 - 9.21.4 Rocket Factory Augsburg Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.21.5 Rocket Factory Augsburg Recent Developments/Updates
 - 9.21.6 Rocket Factory Augsburg Competitive Strengths & Weaknesses
- 9.22 Starsem
 - 9.22.1 Starsem Details
 - 9.22.2 Starsem Major Business
 - 9.22.3 Starsem Communication Satellite Launch Services Product and Services
 - 9.22.4 Starsem Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
 - 9.22.5 Starsem Recent Developments/Updates
 - 9.22.6 Starsem Competitive Strengths & Weaknesses
- 9.23 CAS Space
 - 9.23.1 CAS Space Details

- 9.23.2 CAS Space Major Business
- 9.23.3 CAS Space Communication Satellite Launch Services Product and Services
- 9.23.4 CAS Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.23.5 CAS Space Recent Developments/Updates
- 9.23.6 CAS Space Competitive Strengths & Weaknesses
- 9.24 China Great Wall Industry Corporation
- 9.24.1 China Great Wall Industry Corporation Details
- 9.24.2 China Great Wall Industry Corporation Major Business
- 9.24.3 China Great Wall Industry Corporation Communication Satellite Launch Services Product and Services
- 9.24.4 China Great Wall Industry Corporation Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.24.5 China Great Wall Industry Corporation Recent Developments/Updates
- 9.24.6 China Great Wall Industry Corporation Competitive Strengths & Weaknesses
- 9.25 LandSpace
- 9.25.1 LandSpace Details
- 9.25.2 LandSpace Major Business
- 9.25.3 LandSpace Communication Satellite Launch Services Product and Services
- 9.25.4 LandSpace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.25.5 LandSpace Recent Developments/Updates
- 9.25.6 LandSpace Competitive Strengths & Weaknesses
- 9.26 i-Space
- 9.26.1 i-Space Details
- 9.26.2 i-Space Major Business
- 9.26.3 i-Space Communication Satellite Launch Services Product and Services
- 9.26.4 i-Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.26.5 i-Space Recent Developments/Updates
- 9.26.6 i-Space Competitive Strengths & Weaknesses
- 9.27 Deep Blue Aerospace
- 9.27.1 Deep Blue Aerospace Details
- 9.27.2 Deep Blue Aerospace Major Business
- 9.27.3 Deep Blue Aerospace Communication Satellite Launch Services Product and Services
- 9.27.4 Deep Blue Aerospace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)
- 9.27.5 Deep Blue Aerospace Recent Developments/Updates

9.27.6 Deep Blue Aerospace Competitive Strengths & Weaknesses

9.28 Space Circling

9.28.1 Space Circling Details

9.28.2 Space Circling Major Business

9.28.3 Space Circling Communication Satellite Launch Services Product and Services

9.28.4 Space Circling Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.28.5 Space Circling Recent Developments/Updates

9.28.6 Space Circling Competitive Strengths & Weaknesses

9.29 Galactic Energy

9.29.1 Galactic Energy Details

9.29.2 Galactic Energy Major Business

9.29.3 Galactic Energy Communication Satellite Launch Services Product and Services

9.29.4 Galactic Energy Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.29.5 Galactic Energy Recent Developments/Updates

9.29.6 Galactic Energy Competitive Strengths & Weaknesses

9.30 Orienspace

9.30.1 Orienspace Details

9.30.2 Orienspace Major Business

9.30.3 Orienspace Communication Satellite Launch Services Product and Services

9.30.4 Orienspace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026)

9.30.5 Orienspace Recent Developments/Updates

9.30.6 Orienspace Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Communication Satellite Launch Services Industry Chain

10.2 Communication Satellite Launch Services Upstream Analysis

10.3 Communication Satellite Launch Services Midstream Analysis

10.4 Communication Satellite Launch Services Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Communication Satellite Launch Services Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Communication Satellite Launch Services Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Communication Satellite Launch Services Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Communication Satellite Launch Services Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Communication Satellite Launch Services Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Communication Satellite Launch Services Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Communication Satellite Launch Services Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Communication Satellite Launch Services Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Communication Satellite Launch Services Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Communication Satellite Launch Services Players in 2025

Table 12. World Communication Satellite Launch Services Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Communication Satellite Launch Services Company Evaluation Quadrant

Table 14. Head Office of Key Communication Satellite Launch Services Players

Table 15. Communication Satellite Launch Services Market: Company Product Type Footprint

Table 16. Communication Satellite Launch Services Market: Company Product Application Footprint

Table 17. Communication Satellite Launch Services Mergers & Acquisitions Activity

Table 18. United States VS China Communication Satellite Launch Services Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Communication Satellite Launch Services Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Communication Satellite Launch Services Companies, Headquarters (States, Country)

Table 21. United States Based Companies Communication Satellite Launch Services Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Communication Satellite Launch Services Revenue Market Share (2021-2026)

Table 23. China Based Communication Satellite Launch Services Companies, Headquarters (Province, Country)

Table 24. China Based Companies Communication Satellite Launch Services Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Communication Satellite Launch Services Revenue Market Share (2021-2026)

Table 26. Rest of World Based Communication Satellite Launch Services Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Communication Satellite Launch Services Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Communication Satellite Launch Services Revenue Market Share (2021-2026)

Table 29. World Communication Satellite Launch Services Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Communication Satellite Launch Services Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Communication Satellite Launch Services Market Size by Type (2027-2032) & (USD Million)

Table 32. World Communication Satellite Launch Services Market Size by Orbit Type, (USD Million), 2021 & 2025 & 2032

Table 33. World Communication Satellite Launch Services Market Size Value by Orbit Type (2021-2026) & (USD Million)

Table 34. World Communication Satellite Launch Services Market Size by Orbit Type (2027-2032) & (USD Million)

Table 35. World Communication Satellite Launch Services Market Size by Payload Capacity, (USD Million), 2021 & 2025 & 2032

Table 36. World Communication Satellite Launch Services Market Size Value by Payload Capacity (2021-2026) & (USD Million)

Table 37. World Communication Satellite Launch Services Market Size by Payload Capacity (2027-2032) & (USD Million)

Table 38. World Communication Satellite Launch Services Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Communication Satellite Launch Services Market Size by Application

(2021-2026) & (USD Million)

Table 40. World Communication Satellite Launch Services Market Size by Application

(2027-2032) & (USD Million)

Table 41. NASA Basic Information, Manufacturing Base and Competitors

Table 42. NASA Major Business

Table 43. NASA Communication Satellite Launch Services Product and Services

Table 44. NASA Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. NASA Recent Developments/Updates

Table 46. NASA Competitive Strengths & Weaknesses

Table 47. SpaceX Basic Information, Manufacturing Base and Competitors

Table 48. SpaceX Major Business

Table 49. SpaceX Communication Satellite Launch Services Product and Services

Table 50. SpaceX Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. SpaceX Recent Developments/Updates

Table 52. SpaceX Competitive Strengths & Weaknesses

Table 53. Rocket Lab Basic Information, Manufacturing Base and Competitors

Table 54. Rocket Lab Major Business

Table 55. Rocket Lab Communication Satellite Launch Services Product and Services

Table 56. Rocket Lab Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. Rocket Lab Recent Developments/Updates

Table 58. Rocket Lab Competitive Strengths & Weaknesses

Table 59. Blue Origin Basic Information, Manufacturing Base and Competitors

Table 60. Blue Origin Major Business

Table 61. Blue Origin Communication Satellite Launch Services Product and Services

Table 62. Blue Origin Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Blue Origin Recent Developments/Updates

Table 64. Blue Origin Competitive Strengths & Weaknesses

Table 65. Arianespace Basic Information, Manufacturing Base and Competitors

Table 66. Arianespace Major Business

Table 67. Arianespace Communication Satellite Launch Services Product and Services

Table 68. Arianespace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Arianespace Recent Developments/Updates

Table 70. Arianespace Competitive Strengths & Weaknesses

Table 71. Astra Basic Information, Manufacturing Base and Competitors

Table 72. Astra Major Business
Table 73. Astra Communication Satellite Launch Services Product and Services
Table 74. Astra Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 75. Astra Recent Developments/Updates
Table 76. Astra Competitive Strengths & Weaknesses
Table 77. Evolution Space Basic Information, Manufacturing Base and Competitors
Table 78. Evolution Space Major Business
Table 79. Evolution Space Communication Satellite Launch Services Product and Services
Table 80. Evolution Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 81. Evolution Space Recent Developments/Updates
Table 82. Evolution Space Competitive Strengths & Weaknesses
Table 83. Firefly Aerospace Basic Information, Manufacturing Base and Competitors
Table 84. Firefly Aerospace Major Business
Table 85. Firefly Aerospace Communication Satellite Launch Services Product and Services
Table 86. Firefly Aerospace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 87. Firefly Aerospace Recent Developments/Updates
Table 88. Firefly Aerospace Competitive Strengths & Weaknesses
Table 89. International Launch Services Basic Information, Manufacturing Base and Competitors
Table 90. International Launch Services Major Business
Table 91. International Launch Services Communication Satellite Launch Services Product and Services
Table 92. International Launch Services Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 93. International Launch Services Recent Developments/Updates
Table 94. International Launch Services Competitive Strengths & Weaknesses
Table 95. Mitsubishi Basic Information, Manufacturing Base and Competitors
Table 96. Mitsubishi Major Business
Table 97. Mitsubishi Communication Satellite Launch Services Product and Services
Table 98. Mitsubishi Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 99. Mitsubishi Recent Developments/Updates
Table 100. Mitsubishi Competitive Strengths & Weaknesses
Table 101. SES Basic Information, Manufacturing Base and Competitors

Table 102. SES Major Business

Table 103. SES Communication Satellite Launch Services Product and Services

Table 104. SES Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 105. SES Recent Developments/Updates

Table 106. SES Competitive Strengths & Weaknesses

Table 107. United Launch Allianc Basic Information, Manufacturing Base and Competitors

Table 108. United Launch Allianc Major Business

Table 109. United Launch Allianc Communication Satellite Launch Services Product and Services

Table 110. United Launch Allianc Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 111. United Launch Allianc Recent Developments/Updates

Table 112. United Launch Allianc Competitive Strengths & Weaknesses

Table 113. Maritime Launch Basic Information, Manufacturing Base and Competitors

Table 114. Maritime Launch Major Business

Table 115. Maritime Launch Communication Satellite Launch Services Product and Services

Table 116. Maritime Launch Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 117. Maritime Launch Recent Developments/Updates

Table 118. Maritime Launch Competitive Strengths & Weaknesses

Table 119. Northrop Grumman Basic Information, Manufacturing Base and Competitors

Table 120. Northrop Grumman Major Business

Table 121. Northrop Grumman Communication Satellite Launch Services Product and Services

Table 122. Northrop Grumman Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 123. Northrop Grumman Recent Developments/Updates

Table 124. Northrop Grumman Competitive Strengths & Weaknesses

Table 125. GK Launch Services Basic Information, Manufacturing Base and Competitors

Table 126. GK Launch Services Major Business

Table 127. GK Launch Services Communication Satellite Launch Services Product and Services

Table 128. GK Launch Services Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 129. GK Launch Services Recent Developments/Updates

Table 130. GK Launch Services Competitive Strengths & Weaknesses

Table 131. Relativity Space Basic Information, Manufacturing Base and Competitors

Table 132. Relativity Space Major Business

Table 133. Relativity Space Communication Satellite Launch Services Product and Services

Table 134. Relativity Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 135. Relativity Space Recent Developments/Updates

Table 136. Relativity Space Competitive Strengths & Weaknesses

Table 137. Virgin Basic Information, Manufacturing Base and Competitors

Table 138. Virgin Major Business

Table 139. Virgin Communication Satellite Launch Services Product and Services

Table 140. Virgin Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 141. Virgin Recent Developments/Updates

Table 142. Virgin Competitive Strengths & Weaknesses

Table 143. HyImpulse Basic Information, Manufacturing Base and Competitors

Table 144. HyImpulse Major Business

Table 145. HyImpulse Communication Satellite Launch Services Product and Services

Table 146. HyImpulse Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 147. HyImpulse Recent Developments/Updates

Table 148. HyImpulse Competitive Strengths & Weaknesses

Table 149. SPACE ONE Basic Information, Manufacturing Base and Competitors

Table 150. SPACE ONE Major Business

Table 151. SPACE ONE Communication Satellite Launch Services Product and Services

Table 152. SPACE ONE Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 153. SPACE ONE Recent Developments/Updates

Table 154. SPACE ONE Competitive Strengths & Weaknesses

Table 155. PLD Space Basic Information, Manufacturing Base and Competitors

Table 156. PLD Space Major Business

Table 157. PLD Space Communication Satellite Launch Services Product and Services

Table 158. PLD Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 159. PLD Space Recent Developments/Updates

Table 160. PLD Space Competitive Strengths & Weaknesses

Table 161. Rocket Factory Augsburg Basic Information, Manufacturing Base and

Competitors

Table 162. Rocket Factory Augsburg Major Business

Table 163. Rocket Factory Augsburg Communication Satellite Launch Services Product and Services

Table 164. Rocket Factory Augsburg Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 165. Rocket Factory Augsburg Recent Developments/Updates

Table 166. Rocket Factory Augsburg Competitive Strengths & Weaknesses

Table 167. Starsem Basic Information, Manufacturing Base and Competitors

Table 168. Starsem Major Business

Table 169. Starsem Communication Satellite Launch Services Product and Services

Table 170. Starsem Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 171. Starsem Recent Developments/Updates

Table 172. Starsem Competitive Strengths & Weaknesses

Table 173. CAS Space Basic Information, Manufacturing Base and Competitors

Table 174. CAS Space Major Business

Table 175. CAS Space Communication Satellite Launch Services Product and Services

Table 176. CAS Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 177. CAS Space Recent Developments/Updates

Table 178. CAS Space Competitive Strengths & Weaknesses

Table 179. China Great Wall Industry Corporation Basic Information, Manufacturing Base and Competitors

Table 180. China Great Wall Industry Corporation Major Business

Table 181. China Great Wall Industry Corporation Communication Satellite Launch Services Product and Services

Table 182. China Great Wall Industry Corporation Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 183. China Great Wall Industry Corporation Recent Developments/Updates

Table 184. China Great Wall Industry Corporation Competitive Strengths & Weaknesses

Table 185. LandSpace Basic Information, Manufacturing Base and Competitors

Table 186. LandSpace Major Business

Table 187. LandSpace Communication Satellite Launch Services Product and Services

Table 188. LandSpace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 189. LandSpace Recent Developments/Updates

Table 190. LandSpace Competitive Strengths & Weaknesses

Table 191. i-Space Basic Information, Manufacturing Base and Competitors
Table 192. i-Space Major Business
Table 193. i-Space Communication Satellite Launch Services Product and Services
Table 194. i-Space Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 195. i-Space Recent Developments/Updates
Table 196. i-Space Competitive Strengths & Weaknesses
Table 197. Deep Blue Aerospace Basic Information, Manufacturing Base and Competitors
Table 198. Deep Blue Aerospace Major Business
Table 199. Deep Blue Aerospace Communication Satellite Launch Services Product and Services
Table 200. Deep Blue Aerospace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 201. Deep Blue Aerospace Recent Developments/Updates
Table 202. Deep Blue Aerospace Competitive Strengths & Weaknesses
Table 203. Space Circling Basic Information, Manufacturing Base and Competitors
Table 204. Space Circling Major Business
Table 205. Space Circling Communication Satellite Launch Services Product and Services
Table 206. Space Circling Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 207. Space Circling Recent Developments/Updates
Table 208. Space Circling Competitive Strengths & Weaknesses
Table 209. Galactic Energy Basic Information, Manufacturing Base and Competitors
Table 210. Galactic Energy Major Business
Table 211. Galactic Energy Communication Satellite Launch Services Product and Services
Table 212. Galactic Energy Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 213. Galactic Energy Recent Developments/Updates
Table 214. Galactic Energy Competitive Strengths & Weaknesses
Table 215. Orienspace Basic Information, Manufacturing Base and Competitors
Table 216. Orienspace Major Business
Table 217. Orienspace Communication Satellite Launch Services Product and Services
Table 218. Orienspace Communication Satellite Launch Services Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 219. Orienspace Recent Developments/Updates
Table 220. Orienspace Competitive Strengths & Weaknesses

Table 221. Global Key Players of Communication Satellite Launch Services Upstream
(Raw Materials)

Table 222. Global Communication Satellite Launch Services Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Communication Satellite Launch Services Picture

Figure 2. World Communication Satellite Launch Services Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Communication Satellite Launch Services Total Revenue (2021-2032) & (USD Million)

Figure 4. World Communication Satellite Launch Services Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Communication Satellite Launch Services Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Communication Satellite Launch Services Revenue (2021-2032) & (USD Million)

Figure 13. Communication Satellite Launch Services Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 16. World Communication Satellite Launch Services Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 18. China Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 23. India Communication Satellite Launch Services Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Communication Satellite Launch Services by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Communication Satellite Launch Services Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Communication Satellite Launch Services Markets in 2025

Figure 27. United States VS China: Communication Satellite Launch Services Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Communication Satellite Launch Services Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Communication Satellite Launch Services Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Communication Satellite Launch Services Market Size Market Share by Type in 2025

Figure 31. Disposable Rocket

Figure 32. Reusable Rocket

Figure 33. World Communication Satellite Launch Services Market Size Market Share by Type (2021-2032)

Figure 34. World Communication Satellite Launch Services Market Size by Orbit Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Communication Satellite Launch Services Market Size Market Share by Orbit Type in 2025

Figure 36. Low Earth Orbit

Figure 37. Medium Earth Orbit

Figure 38. Geosynchronous Orbit

Figure 39. World Communication Satellite Launch Services Market Size Market Share by Orbit Type (2021-2032)

Figure 40. World Communication Satellite Launch Services Market Size by Payload Capacity, (USD Million), 2021 & 2025 & 2032

Figure 41. World Communication Satellite Launch Services Market Size Market Share by Payload Capacity in 2025

Figure 42. 2?10 Tons

Figure 43. 10?50 Tons

Figure 44. >50 Tons

Figure 45. World Communication Satellite Launch Services Market Size Market Share by Payload Capacity (2021-2032)

Figure 46. World Communication Satellite Launch Services Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 47. World Communication Satellite Launch Services Market Size Market Share by Application in 2025

Figure 48. Commercial

Figure 49. Military

Figure 50. World Communication Satellite Launch Services Market Size Market Share by Application (2021-2032)

Figure 51. Communication Satellite Launch Services Industrial Chain

Figure 52. Methodology

Figure 53. Research Process and Data Source

I would like to order

Product name: Global Communication Satellite Launch Services Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GDC891E049FFEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDC891E049FFEN.html>