



An aerospace enterprise dedicated to the advancement of space exploration.



SPACERIDE AEROTECH PRIVATE LIMITED

Our objective is to facilitate human presence in space for the purposes of future space exploration, space transportation, and interplanetary manned missions.



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VISION & MISSION

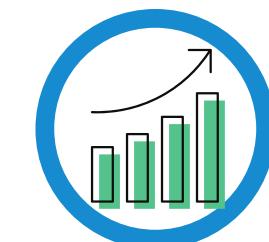
Vision

We are not currently engaged in actively tracking the progress of the space race and its objective of facilitating human exploration in outer space.



Statewide Endeavor

The burgeoning trajectory of the Indian Space Market



Worldwide Endeavor

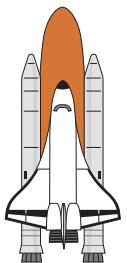
To construct a Reusable Space Launch System (RSLS) with the capability of traversing outer space.



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PROBLEM

- We are allocating substantial financial resources exclusively towards the fabrication of a single rocket with a limited operational lifespan.
- Our primary emphasis lies in the deployment and development of satellites, as well as the construction of launch vehicles.
- Manned missions are solely documented events in our records.



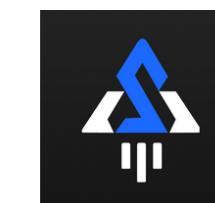
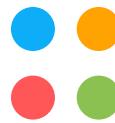
SPACE ROCKETS

- A multitude of rocket series is already in existence and we continue to develop more rockets!
- We require a staggering 20,41,165 kilograms of rockets to launch satellites weighing only 6,500 kilograms. Quite intriguing, isn't it?
- The GSLV Mark III, weighing a massive 6,40,000 kilograms, is designed to deploy a mere 6,000-kilogram satellite. Why such a stark contrast?
- These rockets are single-use and come with an exorbitant cost, making them highly expensive ventures!



INDIAN PRIVATE SPACE ENTERPRISES

- Specializes in Satellite Launch Vehicle Solutions
- Develops Satellites for enhanced data acquisition
- No current focus on Human Spaceflights
- ISRO's Gaganyaan is the sole mission aimed at manned space exploration.



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SOLUTION

- Our goal is to develop a cutting-edge Reusable Space Launch System (RSLS) instead of traditional rockets.
- We place a strong emphasis on manned missions, prioritizing human space travel over satellite launches.
- Our objective is to reduce operating costs and create an economical solution through innovative development approaches.



HOW ?

- Develop a Solar Power Space Launch Vehicle (SLV) utilizing solar energy for propulsion.
- Selective use of rocket engines optimizes launch process.
- Incorporate jet engines for takeoff and landings, merging aviation and aerospace technologies.
- Synergize aviation and aerospace for enhanced space launch capabilities.



WHY ?

- Indian Space Programs lag behind global advancements in the field.
- The future is poised for transformative space travel.
- The world is progressing towards the realization of TYPE-1 Civilizations, marked by significant advancements in technology and space exploration.

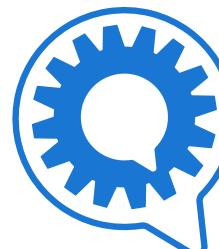


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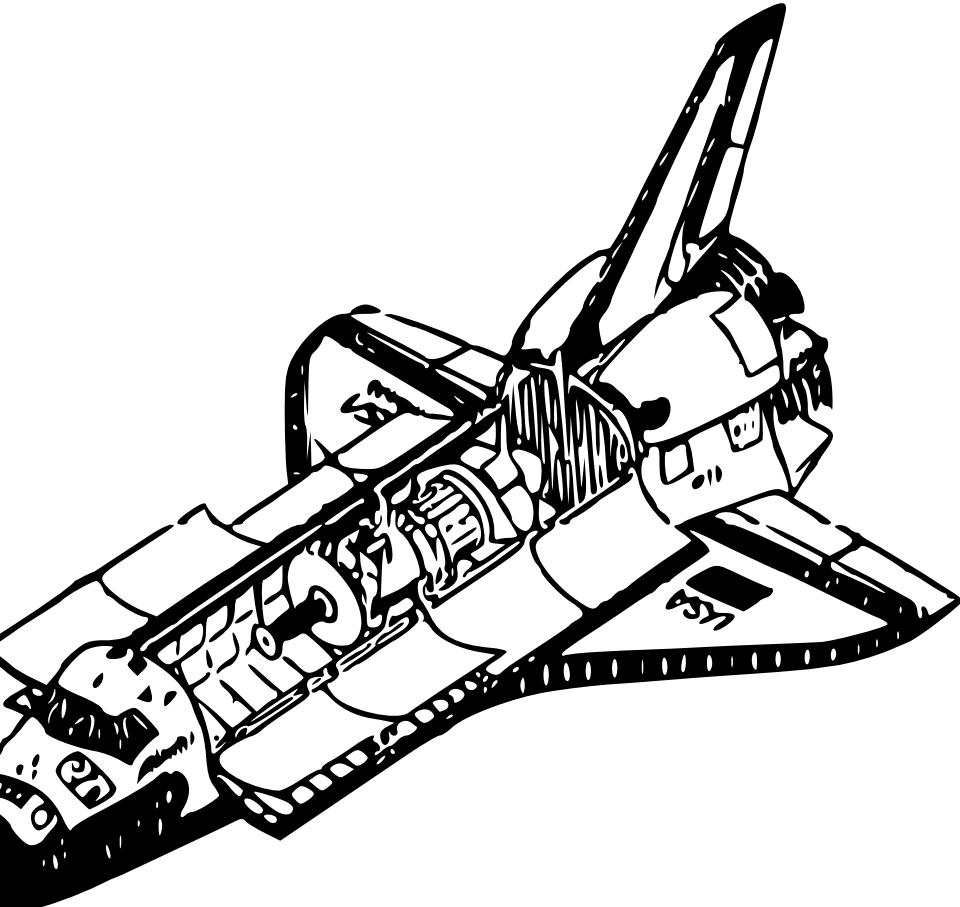
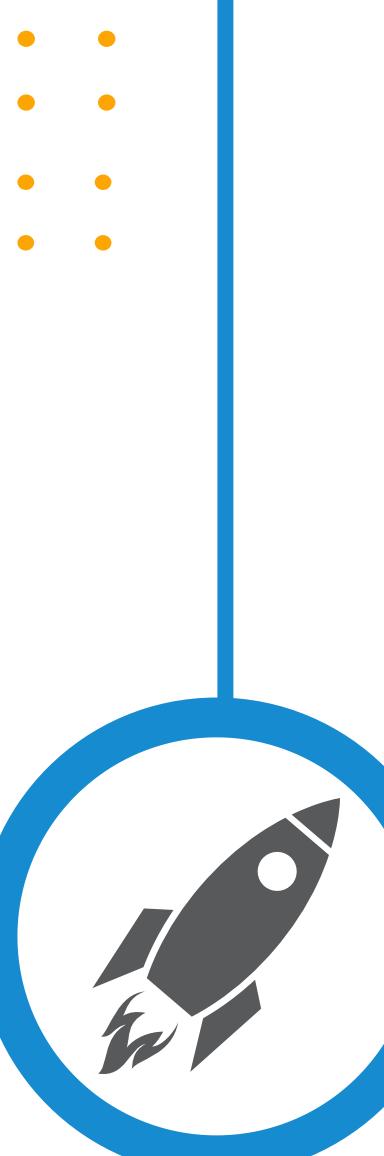
RESUABLE SPACE LAUNCH SYSTEM

The proposed Horizontal Take-Off and Horizontal Landing Space Launch System (SLS) offers a revolutionary approach, obviating the need for specialized launch facilities and equipment. The envisioned spacecraft has a passenger capacity of up to 100 individuals, catering primarily to the burgeoning space tourism sector, while also versatile enough to transport cargo and potentially extend its capabilities for reconnaissance missions.



SPECIFICATIONS

- Our Space Launch Vehicle boasts a remarkable passenger capacity of 100 individuals.
- Equipped with advanced Solar Thrusters and an efficient RCS (Reaction Control System).
- Uniquely designed Delta Wings featuring integrated Jet Engines.
- The passenger cabins are detachable and capable of self-landing.
- Harnessing the power of solar energy while operating in the realm of space.



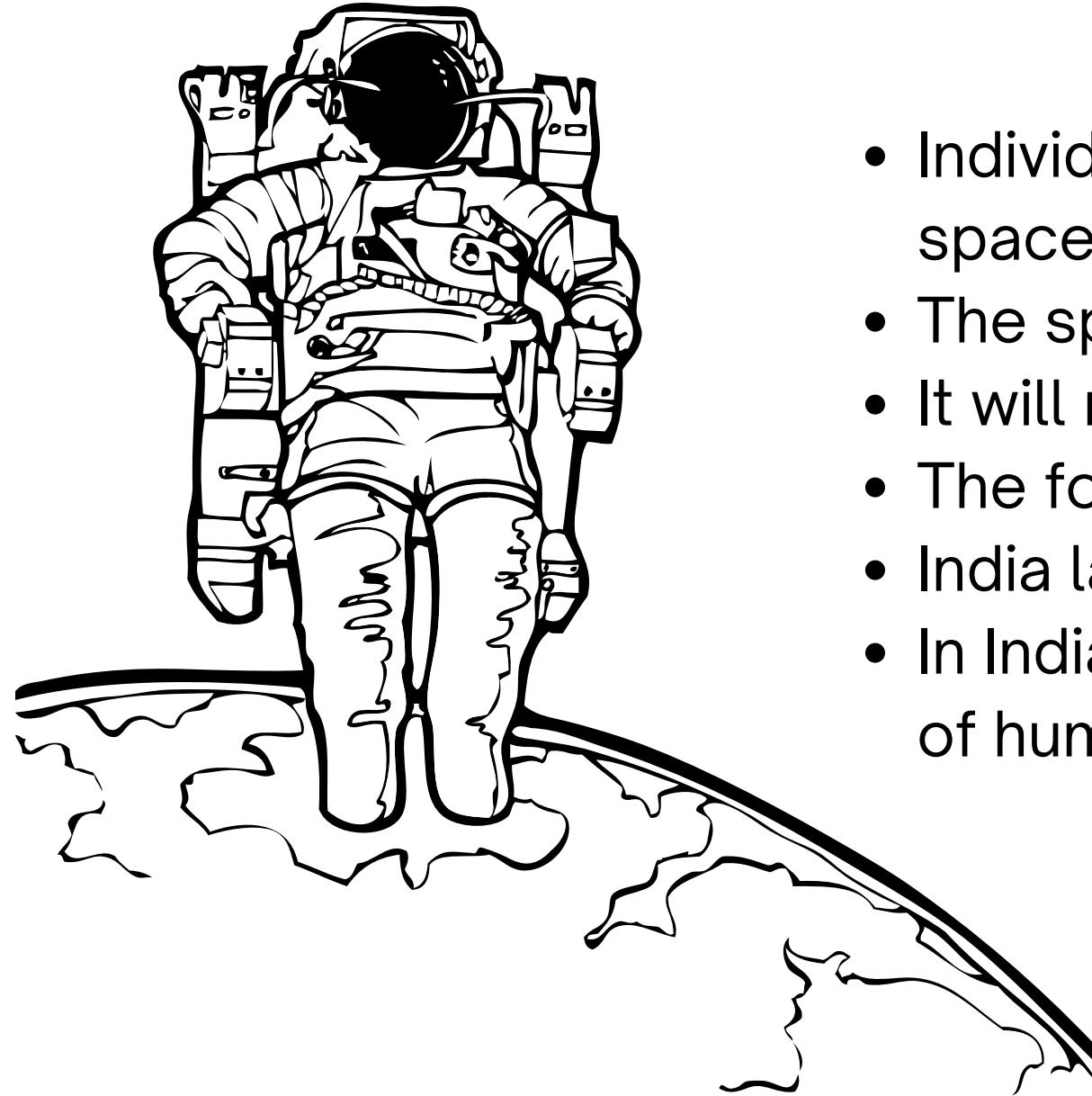
EARTH ORBIT ENTRY AND RE-ENTRY PROCEDURE

- Using jet engines for up to 30 km in the troposphere.
- Ascending to 150 km in the stratosphere with rocket engines.
- Goal: Achieving 180 km altitude (LEO) in Stage I.
- Re-entry with a nose thruster, heat shield, and delta wings for thermal protection.



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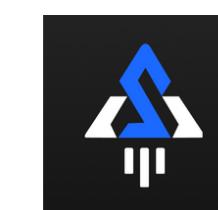
WHY IS THIS HAPPENING AT THIS PARTICULAR MOMENT?



- Individuals are investing billions of dollars to venture into the realm of space.
- The space industry is spearheading global efforts for human space travel.
- It will require a minimum of eight years to construct the proposed solution.
- The forthcoming era revolves around interstellar journeys.
- India lags significantly in the development of space applications.
- In India, there is an absence of individuals solely dedicated to the pursuit of human spaceflights.

If not in the present moment, then at what future juncture? If not we ourselves, then which individuals or entities?

We require a form of Aerial Vehicles that embody technological advancements anticipated within the next decade.



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CHRONOLOGICAL SEQUENCE



2023

- Incorporation of the company
- Formation of the workforce
- Technical personnel
- Marketing personnel
- Operational personnel
- Financial personnel
- Recruitment
- Acquiring funds for website development and proof of concept (POC) validation

2025

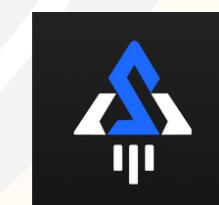
- Virtual spacecraft design
- Technical proof of concept
- 3D printed concept validation
- Website development
- Pre-orders
- Customer acquisition
- Generating interest and momentum

2027

- Generating income through traction
- Securing financing for prototype development
- Conducting pre-flight and technological tests
- Commencing actual manufacturing

2029

- Obtaining Approval from Regulatory Authorities
- Preliminary Flights (Autonomous and Manned)
- End-to-End System Testing Commence
- Launch escape system
- Space Voyages



MARKET PENETRATION STRATEGY

To comprehend the market dynamics and gain profound insights into customer behavior.

NAVAL

- Naval: Igniting Curiosity, Unleashing Astronomical Discoveries
- Utilization of Sophisticated Astronomical Observing Instrument
- Astronomical scrutiny
- Nine Celestial Observation
- Observation **Fee: 299 ₹** per individual for the purpose of Moon and Mars Exploration
- Observation **Fee: 499 ₹** per person for 9-Planet Exploration



AstroSafaris

- Unique and awe-inspiring experiences for tourists.
- Visits to national and international destinations.
- Evoke an otherworldly feeling.
- Ex. Mesmerizing northern lights.
- Exploring the wonders of space.
- Surreal experiences for adventurous souls.
- **We price our trips commensurately.**



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OPPONENTS



Virgin Galactic

Virgin Galactic is an American spaceflight company founded by Richard Branson and his British Virgin Group retains an 11.9% stake through Virgin Investments Limited. It is headquartered in California, USA, and operates from New Mexico.

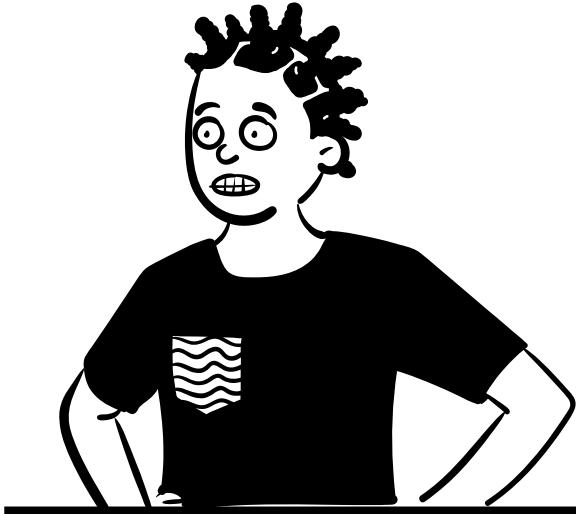


Radian Aerospace

Radian One is the **world's first crewed, single-stage to orbit vehicle** with runway-like takeoff and landing. The fully reusable, aircraft-like configuration requires far less infrastructure than vertical launch systems and can be refloated within 48 hours.

Economic Challenges:

Individual expenditure: 450,000 USD
(3,42,40,005 INR)



Passenger Capacity

Passenger Capacity up-to 5 people



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OUR OPTIMAL SQUAD



We adhere to a vision, as it is our inherent duty.



NILAM DALWADI

Co-Founder & CFO



MAYUR MAHLA

Co-Founder & MD



PRIYANKA PATEL

Co-Founder & Director



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CONTACT US

We are eagerly waiting to reach you.



PHONE

+91 2630 - 297197



EMAIL ADDRESS

hello@spacerideaerotech.com



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