SPANTRIK

Building Fully Reusable Rockets To
Make Access to Space
Rapid, Reliable, And Affordable

85%

Of all launches since 2016 done by

1 Rocket

1-2 years waiting time from booking to orbit

Time

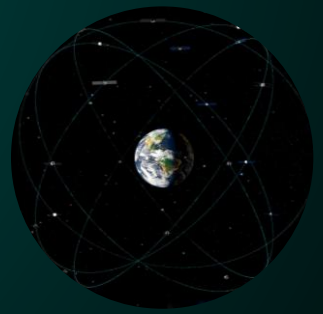
Revenue

WHEN TO LAUNCH ?

WHICH ORBIT?

AT WHAT PRICE?

Source



Navigation

Earth Observation

Defense

Communication

$30B

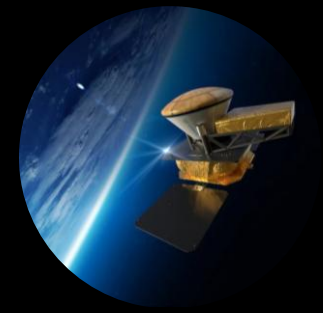
Market Opportunity by 2030

2000+

Satellites from India

Data centers

Internet



In space Manufacturing

Source

MASSIVELY UNDERSERVED MARKET

5000+ tones

Payload demand required to reach Earth orbit in the next decade.

50+ Launches/year

Required launch to meet the demand

$40 - $50M

Avg. launch revenue representing a multi-billions dollar opportunity.

Source

RAVEN

Raven is a fully reusable medium-lift launch vehicle powered by LOX/LNG rocket engines with deep-throttling and restart capability, enabling rapid Reflight.

The First Stage will vertically land back to launch site and the upper stage have the propriety heat shield that recover the stage without the payload loss.

AFFORDABLE LAUNCH

WEEKLY LAUNCH SLOTS

DELIVERY TO DESIRED ORBIT

The most efficient reusable rocket designed to launch your payload within a week

Launch Capability by Orbits

Expendable Configuration
LEO : 22,000 kg
GTO: 11,000 kg
TLI ; 7000 kg

Fully Reusable Configuration
LEO : 16,000 kg
GTO: 6,000 kg
TLI ; 5000 kg

Rocket Configuration
Rocket engine: 1000kN
Propellant: LOX + LNG
Stage : 3

LAUNCH LAND RE- LAUNCH REPEAT

SPANTRIK EDGE

FULLY RE-USABLE

Recovering upper stage
<1% payload penalty recovery
Affordable & Frequent Launch capability

MEDIUM LIFT

Fully reusable launch vehicle
22-ton payload capability
Designed for weekly operations
Rapid turnaround architecture

MISSION FLEXIBILITY

Multi-orbit deployment capability
Dedicated mission architecture
Precision orbital insertion Last mile payload delivery

RAPID CADENCE

Reusability from day one
In-house development
Weekly turnaround time
Vertical Integration

BUSINESS MODEL

PHASE – 1

NAVIGATION SYSTEM
FLIGHT COMPUTER

USE CASE

DRONES & UAVs

PHASE – 2

ROCKET ENGINE
COLD GAS THRUSTERS

USE CASE

INTERCEPTOR
SATELLITES

PHASE – 3

RAVEN ROCKET
LAUNCH SERVICES

USE CASE

SATELLITES LAUNCH

PROJECTED
REVENUE

$50 K → $0.3 M → $ 0.8 M → $ 1.6 M → $25 M → $90 M

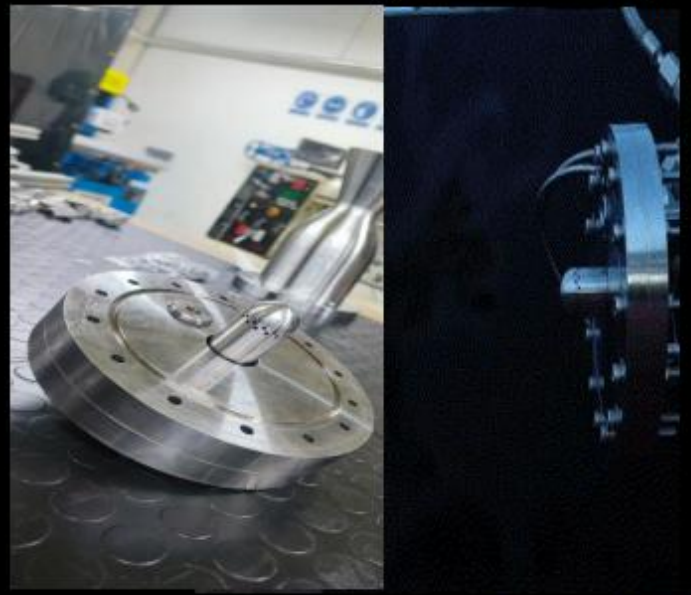
Q1 2027 — Q1 2028 — Q2 2029

TIMELINE

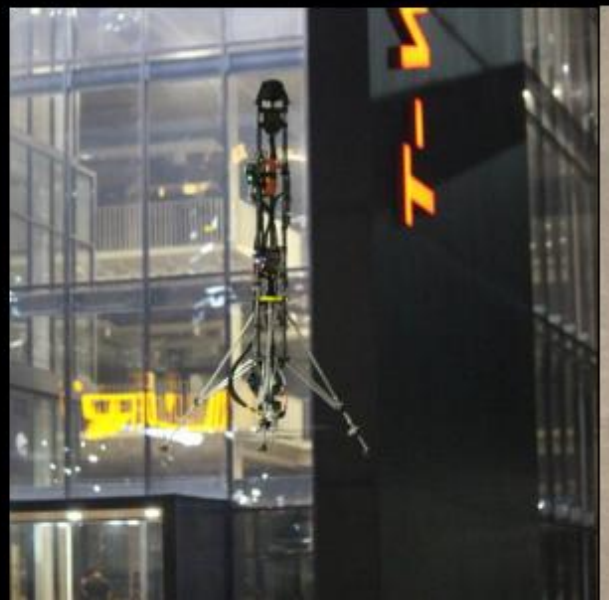
WHAT WE HAVE BUILT AND TESTED

High powered rocket Launches (2021-22)

Rocket engine Development 2023-24(TRL-6)



Leapfrogger development 2025 – onwards (TRL-5/6)



About us

From Engines To Software, We Build Everything In-house.

- 100+ high-power rocket launches completed
- 4,000+ seconds of engine hot-fire testing
- Designed, built, and tested engines in-house
- Built avionics, GNC, and control systems internally
- Growing team of 7

SUPPORTED BY

T-WORKS · t-hub · amrita tbi · rebalance · IN-SPACe · IIM Calcutta Innovation Park · GSEM Gujarat State Electronics Mission Government of Gujarat

MISSION LEAPFROGGER: PROVING REUSABILITY

First Launch & Vertical Landing Demonstration

PRE – SEED ROUND

Funding goal	Committed
$1M	$500k

This mission will validate Spantrik's core capability: **Precision Launch & Recovery**. By successfully landing our rocket back on the pad, we prove the technology that will drive the next generation of affordable space access.

BUILDING THE FUTURE OF HUMANITY BEYOND EARTH