



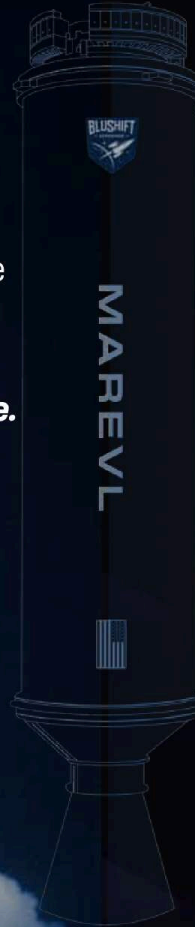
bluShift Aerospace

Revolutionizing propulsion for rapid-response aerospace and defense applications.

Reusable. Storable. Cost-efficient. Scalable.

Sascha Deri, Founder + CEO

June 2026



Reusable, storable rocket booster
Non-toxic, non-munitions storage



America's edge bottlenecked by 1980s booster tech

Expensive, dangerous & logistical nightmares



Defense Business Report

PENTAGON

With the boom for solid rocket motors for missiles, a perilous crunch in the supply chain

To increase munitions stockpiles, the US military needs more solid rocket motors. Deep into the supply chain, there are still problems, executives told Breaking Defense.

By Valerie Insinna on January 12, 2026 3:00 pm

Expensive



High unit costs & requires munitions-rated storage & transport.
Massive CapEx cost.

Hazardous & Toxic



Explosive, requires munitions rated storage & transport

Manuf. Challenge



Explosive propellant processing drives cost.
1,000-Day Deadlock

Complex Logistics



Slows testing, deployment and increases total costs



Introducing MAREVL

The 21st Century Booster

Developed with backing from:



Quarter the cost, Double the Flexibility

75% Lower Cost



Quarter the cost of SRMs, far easier to produce using domestic, scalable materials.

Safer, Non-Explosive



Proprietary non-toxic, high-thrust & non-munitions grade fuel, new abundant domestic supply chain.

100x CapEx Advantage



Capital Cost per fuel grain production cell is \$15k vs \$1.5M

Simpler Logistics



We build & store rockets in common industrial building & warehouses, not bunkers.

PROVEN PROPULSION
Built & Tested



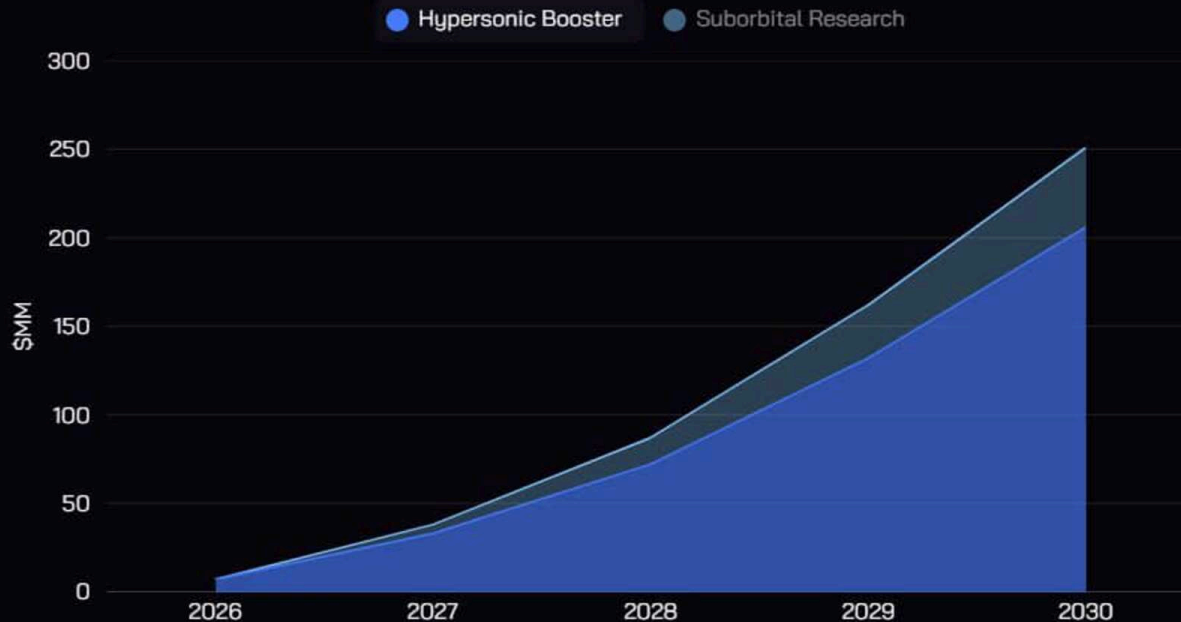
Why MAREVL Booster Wins (Full Version)

Half the cost. Safer by design. Fewer operational constraints.

Feature / Capability	 MAREVL Hybrid	Solid Boosters	Liquid Rockets
Fuel Type	 Non-toxic solid biofuel (room & space storable)	 Toxic Solid (room storable)	 Cryogenic/Toxic
Oxidizer	 Liquid N2O (room & space storable)	 Solid (room storable)	 Liquid oxygen (LOX), cryo or high test peroxide (HTP), corrosive
Storage Readiness & Cost	 Stable & low-cost to store	 Costly to store, high explosion risk	 Unstable, cryogenic, expensive
Shelf Life	 10+ Years	 10+ Years	 Days to 2 Years
Infrastructure Required	 Minimal	 High for Storage	 High for storage and launch
Supply Chain Risk	 Low	 Medium	 Very High for fuel & oxidizers
Cost to Produce	 75%+ less than solids	 Medium	 High
Thrust (Throttleable) Control	 Yes	 No, with exceptions	 Yes (complex control systems)
Thermal Signature Prior to Launch	 Low	 Low	 High
Reusability	 Yes	 No	 Yes

Market Opportunity: TAM >\$1T

Revenue Forecast



SOM

\$450M

Hypersonic Boosters (Now)

\$100M

Suborbital Research (Near Term)

Defense market opportunity estimates informed by current DoD demand signals, including SDA architectural planning, Navy, and hypersonic testing initiatives

Forward looking projections cannot be guaranteed.

Proven Propulsion

Built & Tested

- Funded by DAF, NASA, and private capital (\$6.7M)
- Launched prototype vehicle in 2021
- Trade secret high-performance, low cost, US-sourced fuel
- Patent pending turbopump-free oxidizer pressurizing system
- Over 275+ Engine Tests
- FAA Commercial launch license in progress



Engine Test Site



Test Cell



Workshop and Offices

Located at former Brunswick Naval Air Station



Defense Endorsement Validates Technical Readiness

"I am definitely interested in the technology bluShift is bringing."

- Col Bryon McClain
Program Executive Officer (PEO)
Space Systems Command
US Space Force

"After weighing a considerable number of factors, bluShift is one of the companies that we plan to endorse this period. We are very impressed ..."

-T. Wharton
Space Systems Command
Space Force



Application

Golden Dome Initiative

Hypersonic Booster
On-orbit high thrust propulsion

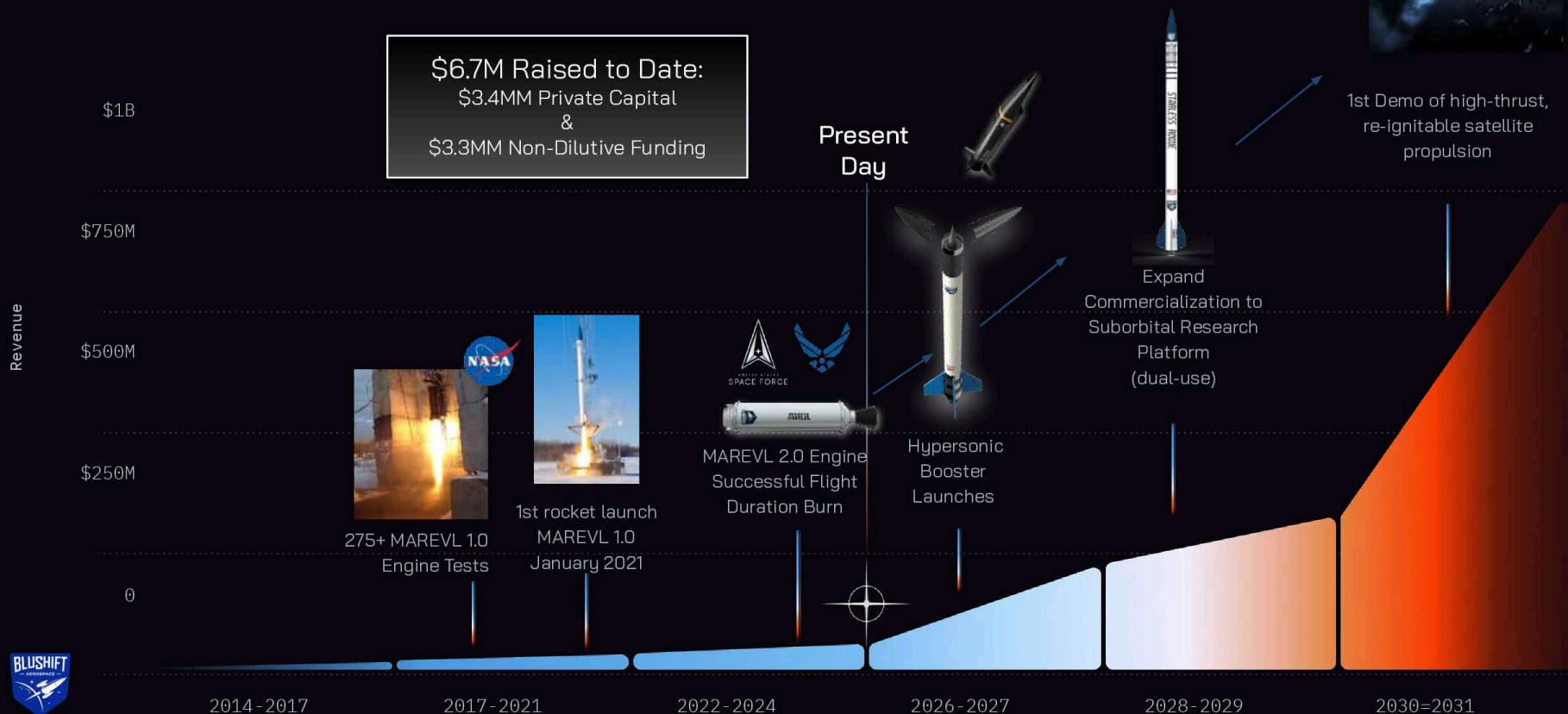
Highly modular, high thrust,
on-orbit propulsion

High thrust, emergency,
on-orbit propulsion +
responsive launch

Hypersonic Booster, Lower cost,
Safer, Reusable

Timeline

Production & Technical Capabilities



* The values on this page are forward-looking projections



24-Month Execution Roadmap

PHASE 1: CURRENT FUNDING

THROUGH EARLY-2027

Supports all activities through completion of first revenue milestone.

- **Q2-Q4 2026:** Hypersonic booster ground tests
- **Q3-Q4 2026:** Hypersonic vehicle integration
- **Mid-2026:** 1st Revenue scheduled
- **Q4 2026:** FAA Commercial License completion



PHASE 2: GROWTH & REV

MID - LATE 2027

Funded by early revenue generation & priced/preferred stock fundraising round.

- **Q2 2027:** Scale initial small-batch production
- **Q3 '26 - Q1 '27:** Mobile Launch design/fab
- **Q2 2027:** Team scaling to 20+ hires
- **Mid-2027:** NASA Flight Opps Vendor qualification
- **2027:** 2-3 Integrated hypersonic flight tests

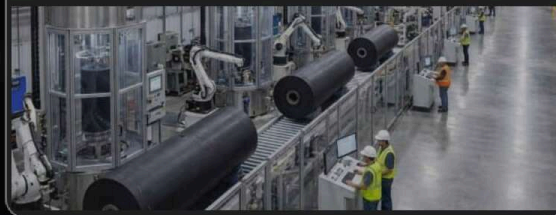


PHASE 3: SCALE

2027 - 2028

Expansion into full-scale commercial operations.

- **2027:** Expand Defense sub-contracts for hypersonic testing
- **2028:** Scale production to 100 units/year



*Current round enables Phase 1 milestones through mid-2026. Phase 2 & 3 supported by upcoming fundraising and revenue growth.

Key Team Members

Bridging propulsion, systems design, and field operations



Sascha Deri

CEO + Founder

Innovation & Strategic Vision
27+ Yrs Leading Tech, 4x Startups



David Hayrikyan

CTO

15+ Yrs Propulsion & Manuf. Eng.
Aerospace & Medical



Seabren Reeves

CFO

20+ Years in Finance & Tech

ENGINEERING & OPERATIONS TEAM

Luke Saindon (Lead Mechanical) • Gerard Desjardins (Lead Propulsion) • Ben Lemieux (Mechanical) • Brook Halvorson (Senior Mechanical)
Douglas Staniszewski (Integration) • Bonny Ethridge (Accounting, Human Resources)

Perfect blend of rocket propulsion, marine engineering, and DoD development experience

Board of Directors



Brady Brim-DeForest

Chairman

Serial entrepreneur and investor with \$500M+ in exits; expert in scaling enterprise-grade technology and lean innovation.



Peter Murray

Director

Accomplished CEO and CTO with multiple successful exits, specialist in agile engineering, SaaS scaling, and financial modeling.



Board of Advisors



Dr. Gregory Ruderman

AFRL - Propulsion - 22 Years

DoD - Test & Eval Hypersonics, Cyber, UAVs



IMMORTAL DATA

James C. Bennett

Co-founder - Starstruck & AMROC hybrid rockets

Chief Regulatory Officer - Immortal Data, Inc

SPACEX



Matt Parker

Former SpaceX / Rocket Lab

Propulsion Engineer



Stephanie Bellistri

Seasoned defense-tech investor,
formerly worked in US intelligence



William Readdy

NASA Shuttle Astronaut



George Story

Solid Rocket & Hybrid Rocket R&D

NASA, Martin Marietta & Lockheed for 30+ years



Dr. Gregory Falco

Space Security Expert and

Asst Prof at Cornell



Jet Propulsion Laboratory
California Institute of Technology



Brian Evans

Chief Engineer,

Space Propulsion Group, Hybrid
Rockets



Affordable, Scalable Propulsion. National Defense Critical.



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[Accredited investors may request access to the private offering here](#)

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