

MAMBATRON PROPULSION SYSTEM

Investor Brief

Executive Summary

Mambatron is a next-generation propulsion concept being developed by Plasmionics with the objective of achieving substantially improved performance, efficiency, and mission capability compared with conventional rocket propulsion architectures.

The project is currently at the experimental validation stage and seeks funding to conduct controlled thrust testing, prototype development, and eventual flight demonstration.

The Opportunity

Space transportation remains constrained by several challenges:

- High launch costs
- Limited propulsion efficiency
- Complex engine architectures
- Long development timelines
- Growing demand for deep-space transportation

A breakthrough propulsion system that demonstrates measurable performance advantages could create significant value across:

- Satellite launch services
- Deep-space exploration
- Lunar transportation
- Mars mission architectures
- Defense and national security applications
- Commercial space logistics

The Innovation

Mambatron introduces a novel propulsion architecture designed to explore performance regimes beyond traditional approaches.

Key objectives include:

- Higher thrust-to-weight potential
- Improved operational efficiency
- Simplified system architecture

- Scalability from laboratory testing to flight systems
- Compatibility with future deep-space missions

Current development efforts are focused on validating the underlying physics through direct experimental measurement.

Development Roadmap

Phase 1 – Experimental Validation

Budget: \$100,000

Objectives:

- Construct laboratory test article
- Measure thrust output
- Validate engineering models
- Generate independent test data
- Prepare technical documentation

Estimated timeline:

3–6 months

Phase 2 – Full-Scale Prototype

Budget: \$300,000–\$1,000,000

Objectives:

- Design and build full-size engine
- Conduct extended-duration testing
- Evaluate reliability and scalability
- Optimize performance parameters

Estimated timeline:

6 months

Phase 3 – Flight Demonstration

Budget: Up to \$100 million

Objectives:

- Integrate propulsion system into flight vehicle
- Conduct demonstration launch
- Collect operational data
- Establish commercial viability

Estimated timeline:

Approximately 12 months

Funding Request

The immediate objective is to secure funding for Phase 1 experimental validation.

Initial capital sought:

\$100,000

Use of funds:

- Test equipment
- Instrumentation
- Fabrication
- Engineering support
- Data acquisition and analysis
- Independent verification

Why Invest Now

The highest returns in aerospace have historically come from technologies that demonstrated entirely new capabilities rather than incremental improvements.

Phase 1 funding provides investors with an opportunity to evaluate the technology at relatively low cost before larger-scale development decisions are required.

Team

Plasmionics

Founder: Ajiniyaz Berdimuratov (“Aj Berd”)

Mission:

To develop transformative propulsion technologies capable of expanding humanity's access to space and enabling future interplanetary transportation systems.

Contact

Founder CEO: Aj Berd

Plasmionics, LLC

Address: 4601 Governor Printz Blvd, Wilmington DE 19809

Email: info@plasmionics.com

Website: <https://plasmionics.com>

Phone: 302-579-2498

Mambatron Propulsion Program

