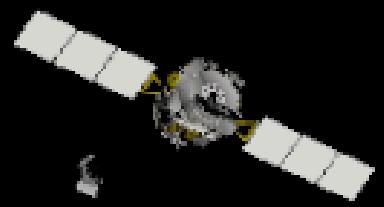
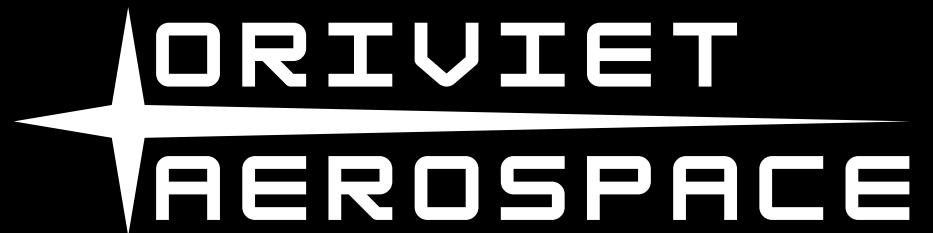


**Grounded in Vietnam.  
Engineered for the stars.**



Introduction to Oriviet Aerospace –  
the spark for Vietnam's space software infrastructure.





## DƯƠNG DUY NHẬT MINH

**FOUNDER OF ORIVIET AEROSPACE.  
SOLE DEVELOPER BEHIND ASTROCELERATE,  
ORIVIET AEROSPACE'S FLAGSHIP PROJECT.  
DRIVEN BY VISION. BUILT FOR IMPACT.**

## OUR TEAM

### FOUNDER'S STORY

Minh is **a 17-year-old high school senior** at a specialized high school in Vietnam.

**Obsessed with the unknown and discontent with Vietnam's absence from the space frontier**, Minh founded Oriviet Aerospace to build the tools, systems, and simulation software that his country lacks - but can no longer afford to.

To him, the future of Vietnamese spaceflight means **no more Storm Yagi-level disasters without warning** - not when satellites could have seen it coming. To him, the future means **engineers who dare to look past the stratosphere** - and have the infrastructure to act on it.



# VIETNAM'S UNSEEN VULNERABILITY



When Disaster Strikes, We Rely on Others.



# THE CORE PROBLEM

## CLIMATE VOLATILITY

Despite urgent needs, Vietnam still relies on foreign-built weather satellites and imports the software needed to process and visualize that crucial data. This means critical, **time-sensitive information** is often **out of our control**, subject to external policies, or simply unavailable when needed most.

## INFRASTRUCTURAL ABSENCE

This isn't just about weather; it's about **national security and economic autonomy**. Without self-owned tools, Vietnam's **ability to protect** its citizens, manage its resources, and defend its interests in the space domain is **compromised**.

Climate volatility is accelerating. The cost of inaction is too high. **No other country will build these systems for us.**

Typhoons, droughts, and floods are intensifying, causing **billions** in losses and **devastating** communities.

## RELIANCE ON FOREIGN SYSTEMS

We **lack robust, integrated, and sovereign software** to analyze and leverage the vast amounts of satellite data, hindering accurate forecasting and rapid response.

## STRATEGIC IMPERATIVE

# The Solution: Sovereign Sight



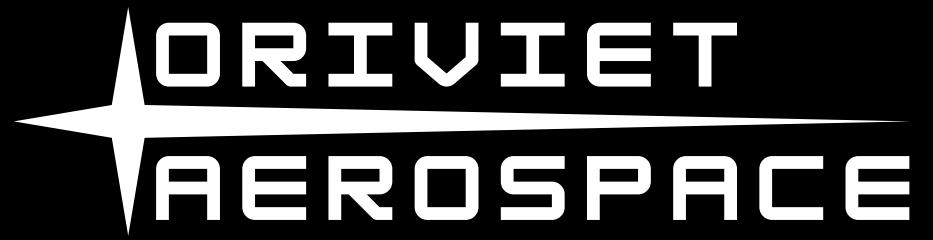
Oriviet Aerospace is Vietnam's **first aerospace software startup** dedicated to building the foundational infrastructure for a truly **sovereign** space capability. We empower Vietnam to see, understand, and act, independently.



# OUR VISION

## Democratizing Aerospace: Forging Vietnam's Self-Reliant Space Future.

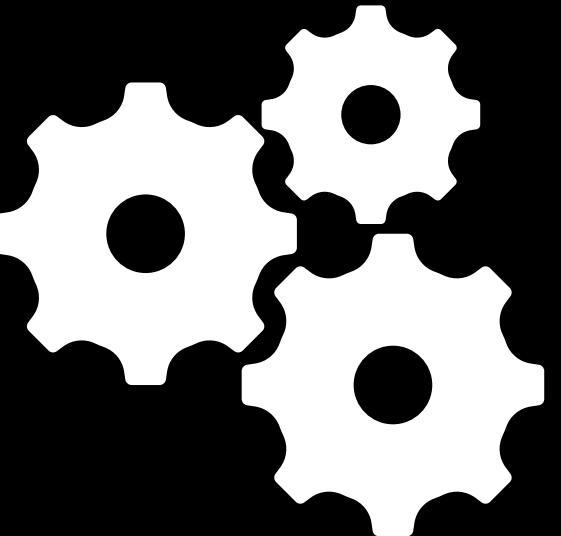
Oriviet Aerospace exists to unlock Vietnam's full potential in the space domain, believing that **world-class space technology** can and must be built from within. Our vision is to **empower a new era** of Vietnamese innovation and self-reliance in aerospace.



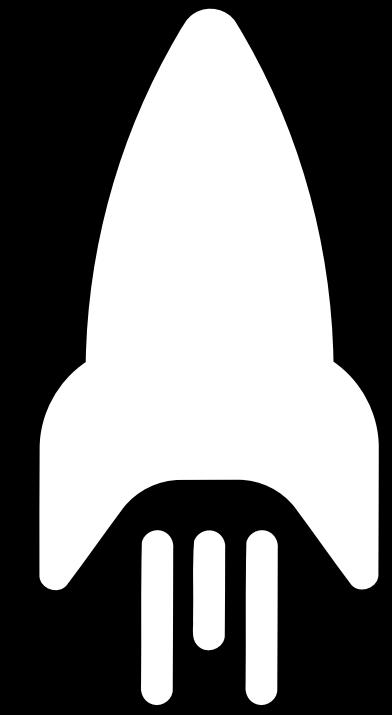
## OUR PILLARS



**Enabling National  
Sovereignty**

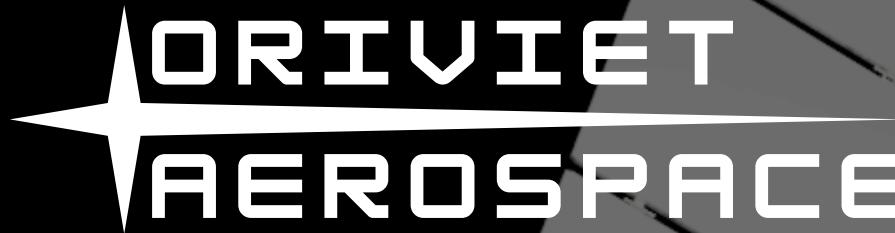


**Empowering Future  
Generations**



**Catalyzing a Regional  
Ecosystem**

**This vision was brought to life by...**



ORIVIET  
AEROSPACE

OUR FLAGSHIP



**ASTRO ACELerate**

Vietnam's first commercial high-performance  
scientific spaceflight and orbital mechanics  
simulation engine

# KEY CAPABILITIES:

Real-time, physically accurate visualizations of satellite kinematics, launch trajectories, and maneuver simulations

Which means...

## SCIENTIFIC ADVANCEMENT

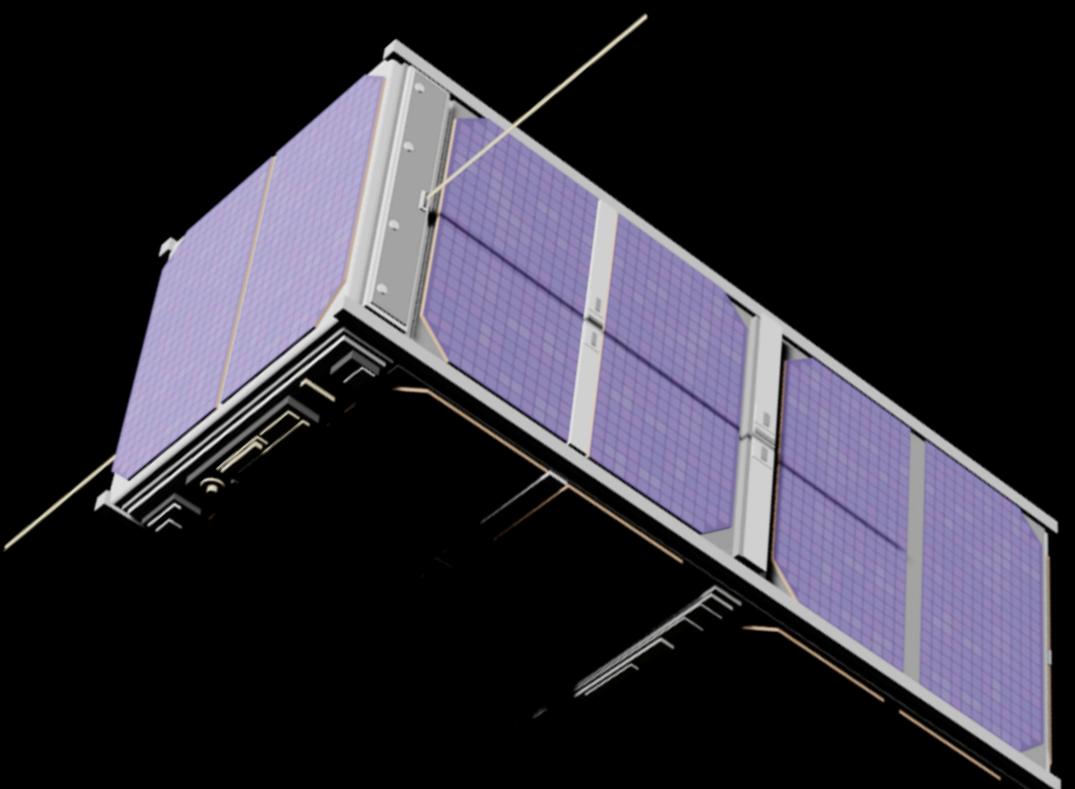
Provide academic institutions and researchers with a powerful tool to innovate locally.

## NATIONAL DEFENSE

Model sensitive launch trajectories, satellite movements, and defense scenarios with complete control and transparency.

## DISASTER PREPAREDNESS

Accurately simulate typhoon paths, flood extents, and monitor environmental changes for proactive response.



# ADVANTAGES OVER TODAY'S SIMULATORS

Feature	Astrocelerate	General Mission Analysis Tool (NASA)	Orekit (CS GROUP)	STK (Analytical Graphics Inc.)
OPEN-SOURCE	Green	Green	Green	Red
REAL-TIME VISUALIZATION	Green	Green	Red	Green
MODULAR AND EXTENSIBLE (FOR COMMUNITY-BASED PLUGINS)	(W.I.P.)	Red	Green	Green
GPU-ACCELERATED (+ PERFORMANCE)	(W.I.P.)	Red	Red	Red
TAILORED TO VIETNAM'S NEEDS	(W.I.P.)	Red	Red	Red



# SO WHAT?

*"Astrocelerate may be technically impressive, but how does it hold under public perception and professional scrutiny?"*

Astrocelerate is more than technically impressive software; it's a proof point of **a new paradigm** for aerospace development in Vietnam.



Within just 10 hours of Astrocelerate's initial release to global aerospace engineering communities, Astrocelerate has ignited significant interest and validation:

**37,200+**  
**FORUM IMPRESSIONS**

Demonstrating **immediate, widespread visibility** and curiosity from target users. This isn't just a niche product; it's **grabbing attention**.

**570+**  
**REACTIONS**

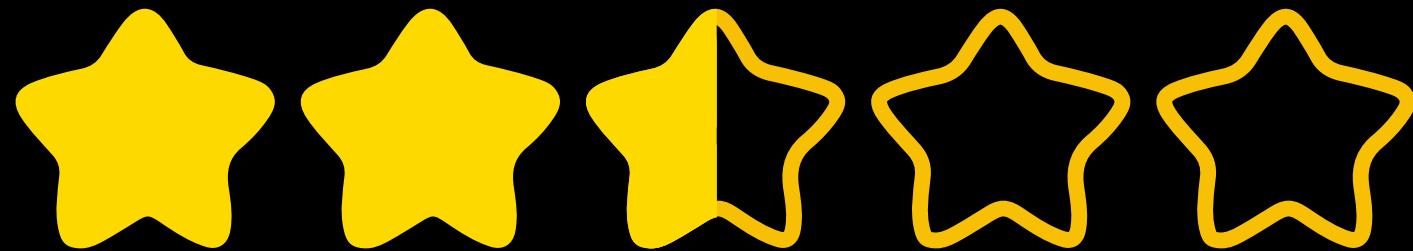
Active engagement from the community that indicate **genuine interest** and resonance with the concept of a new, high-performance simulation engine.

**24**  
**GITHUB STARS**

Early adoption and endorsement from developers and engineers who are recognizing the **foundational quality and potential** of Astrocelerate's codebase.



Crucially, we've received **real, unvarnished feedback** from two aerospace engineers with expert-level experience.



## OVERALL RATING

“ Astrocelerate has the potential to be significantly more **cost effective** than current tools.”

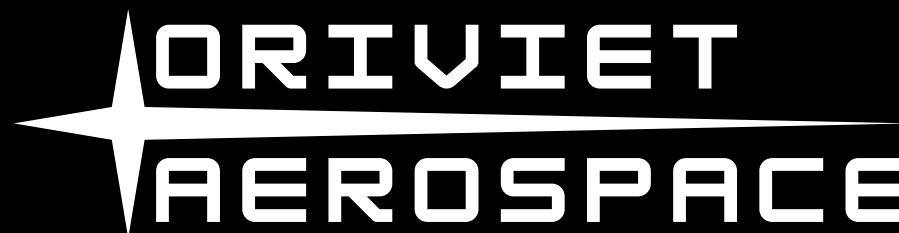
DOE, THOMAS

AEROSPACE ENGINEER

“ Astrocelerate is **good as an initial attempt**, but not useful yet in its current form.”

DOE, KENNY

AEROSPACE ENGINEER



**FOR AN EARLY-STAGE  
PRODUCT, IT'S A  
CLEAR, POWERFUL  
SIGNAL.**

## **CLEAR DEVELOPMENT ROADMAP**

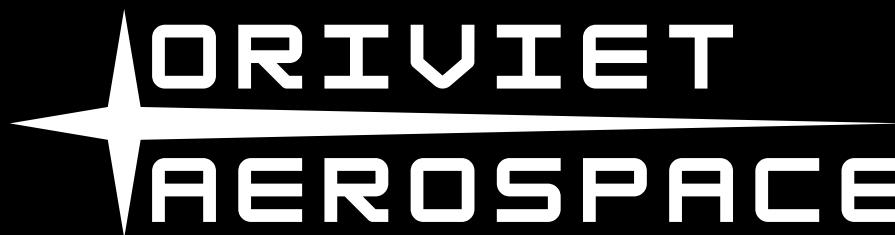
This early, candid feedback provides us with an invaluable, real-world roadmap for immediate improvements and feature prioritization, demonstrating our commitment to an agile, user-centric development approach.

## **ATTENTION & ENGAGEMENT**

Engineers are not only downloading and trying it, they're taking the time to provide detailed input. This proves serious interest beyond a superficial glance.

## **EARLY ADOPTER MINDSET**

These are the pioneers, the engineers who want to see this succeed and are willing to contribute to its evolution.



# ASTROCELERATE IS MORE THAN SOFTWARE. IT'S A DECLARATION:

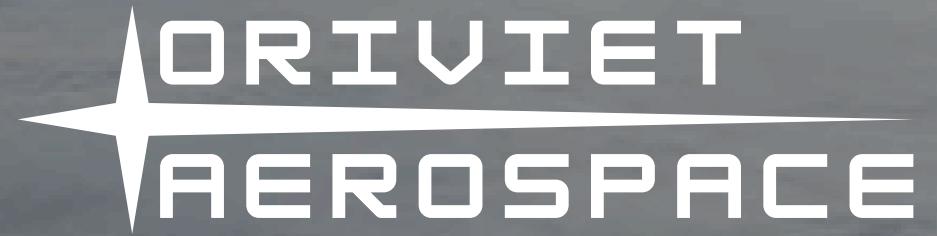
**World-class aerospace tools** can emerge from within Vietnam,  
built not by legacy contractors, but by **a new generation** of  
engineers who refuse to wait for permission.

It represents **technological sovereignty** in a domain long  
dominated by external systems.



# Market Opportunity

We are entering a multi-billion dollar market in Southeast Asia, with a strong preference for indigenous solutions, and Oriviet Aerospace is positioned as the undisputed first-mover in high-performance sovereign aerospace software in Vietnam.



# A MULTI-BILLION DOLLAR MARKET.

The demand for Earth Observation (EO) data and its applications across Southeast Asia is exploding, creating **a vast and rapidly expanding market**.

## SOUTHEAST ASIA COULD BE THE LAUNCHPAD FOR EO GROWTH.

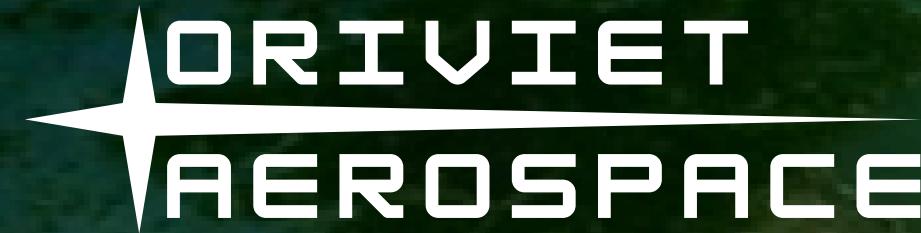


EO is set to soar, with its global economic value projected to jump from US\$266 billion to **US\$703 billion by 2030**.

In Southeast Asia, the value of EO could triple from \$15 billion in 2023 to **\$45 billion by 2030**.

This exponential growth in EO data directly translates to **an urgent and increasing need** for sophisticated, reliable software like **Astrocelerate** to process, analyze, and visualize that data, transforming it into actionable intelligence.

Source: [Deloitte-SSTL Report: "Space to Thrive"](#)



## THE MANDATE

Sources: [Ministry of Natural Resources and Environment](#),  
[Decision No. 169/QĐ-TTg 2021](#)

Vietnam's MONRE officially plans to "**boost remote sensing applications in agriculture and environmental monitoring** starting 2026."

The **2021 Space Strategy**, approved by Prime Minister Nguyễn Xuân Phúc, directly focuses on the **application of aerospace technology** in disaster monitoring, natural resources management, among others.

Despite this, there is acknowledged **ineffectiveness** in application and utilization by local authorities, who sometimes rely on "**out-of-date measuring methods**."

We directly address this gap, providing the sovereign tools necessary to unlock the full potential of Vietnam's satellite data for critical national applications.

## HIGH NATIONAL DEMAND.

## THE UNMET NEED

Source: [Việt Nam News](#)



# ZERO LOCAL COMPETITION.

VIETNAM HAS **NO PRIVATE COMPANIES** DEVELOPING HIGH-PERFORMANCE, SOVEREIGN AEROSPACE SIMULATION SOFTWARE.

## LANDSCAPE

Existing key players – VNCS, Viettel Aerospace, and FPT Software – operate in **distinct, non-competing segments** (government research/hardware, military systems, and general IT services for aviation, respectively).

## ORIVIET'S EDGE

We are the **undisputed first-mover**, uniquely positioned to become the **national testbed** and leading provider of critical, self-owned aerospace intelligence. We're not just entering a market; **we're defining it.**



## JOIN US IN BUILDING VIETNAM'S SPACE FUTURE.

Oriviet Aerospace is not here for funding, but for partnership in a monumental mission. We are asking for belief in the vision that space technology can be born from Vietnam, driven by a single, obsessed mind.

### We are looking for:

#### MENTORSHIP & GUIDANCE

We seek seasoned aerospace professionals and experienced founders who can offer **strategic feedback** and **help navigate** the complexities of this **nascent industry**.

#### ACCESS TO EXPERTISE

We ask for **introductions to aerospace engineers, scientists, and decision-makers** within national agencies who can **provide invaluable insights** and collaboration opportunities.

#### CONTRIBUTION

We welcome **discussions with potential collaborators or contributors** who share our passion for **building sovereign space technology** and want to be part of this groundbreaking journey.

#### VALIDATION & ADVOCACY

Your **belief and support** validate that world-class space technology can indeed emerge from Vietnam, **empowering a new generation** to aim for the stars with self-owned tools.