

## My space story

Thu Vu

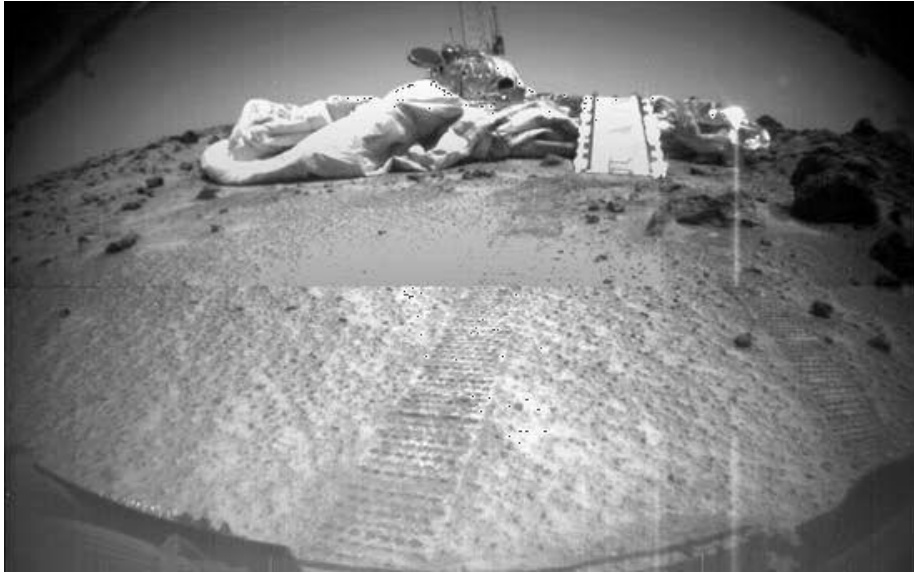
CLTP 2 participant, VinSpace CEO

Hanoi, June 19, 2026

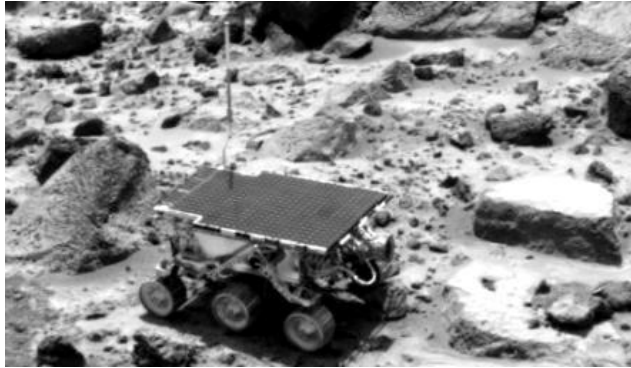
# Agenda

- My space story
- First space mission
- Journey in the Middle East
- VinSpace introduction

# From curiosity...



# Hobby...



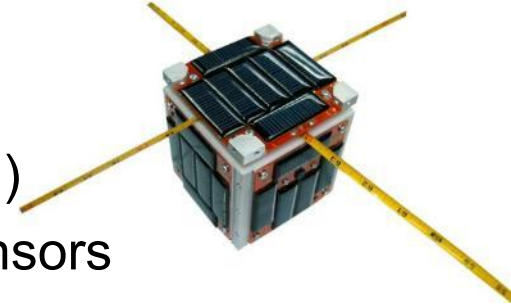
# First space mission: F-1 CubeSat project (2008-2012)

- **Purpose**

- To learn about aerospace engineering, the design and manufacture of a picosatellite (CubeSat)

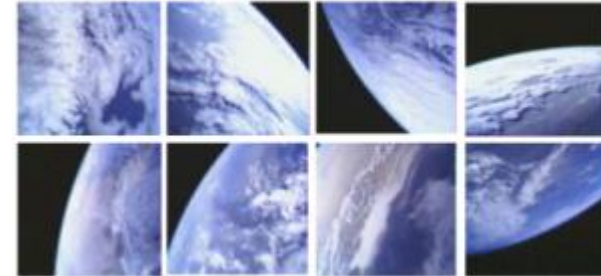
- **Satellite specification:**

- Name: F-1; Type: 1U cubesat (10x10x10cm, ~1kg)
- Payload: low-res camera, temp. and magnetic sensors



- **Minimum success criteria**

- Survive space environment for at least 1 month
- Take low-res photos of the Earth (640x480) from space
- Transmission speed 1.2kbps

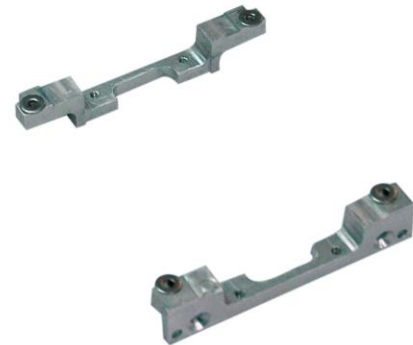
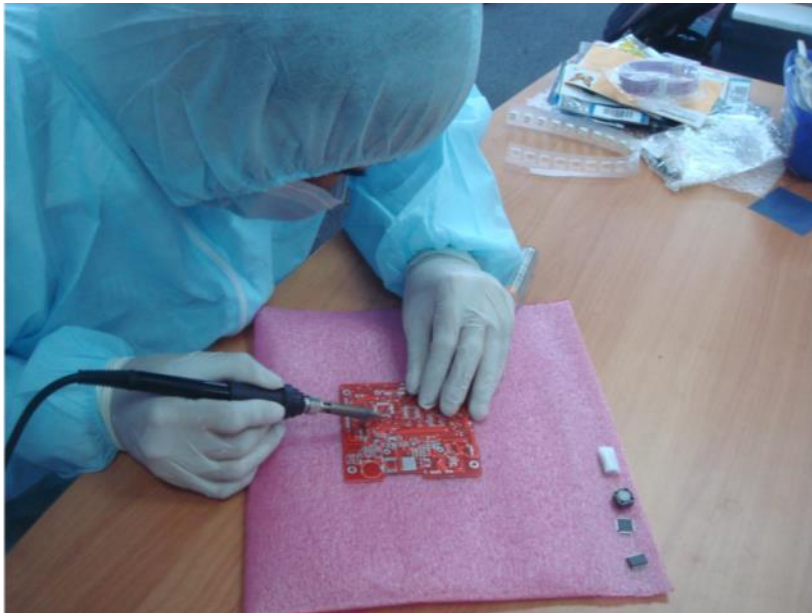


- **Challenge goals**

- Test 3-axis SDTM magnetometer  
(in collaboration with Uppsala University, Sweden)
- Test “intelligent” flight software



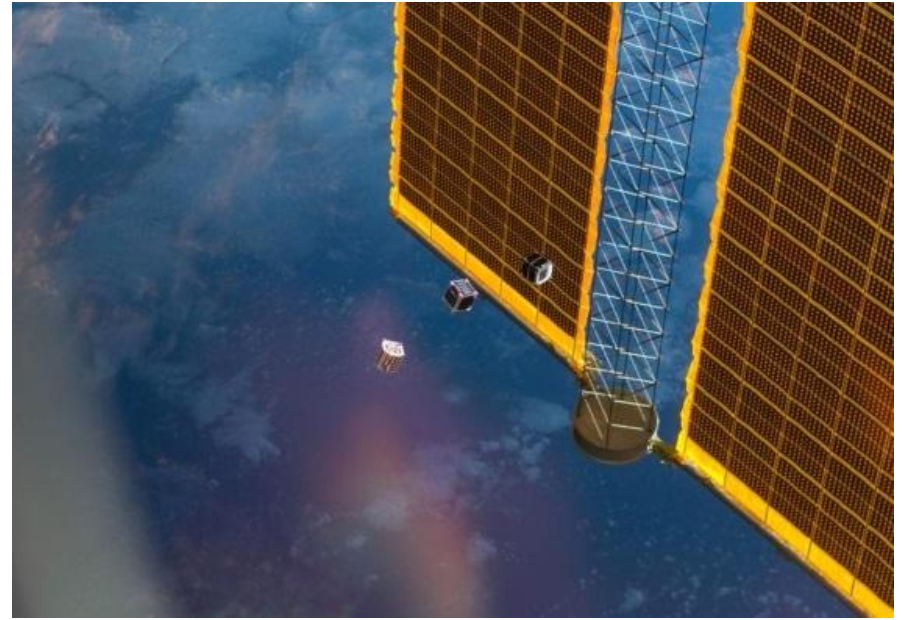
# First space mission: F-1 CubeSat



# Launch to orbit and docking with the ISS



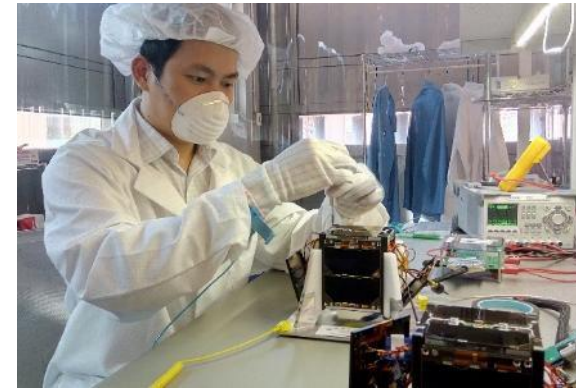
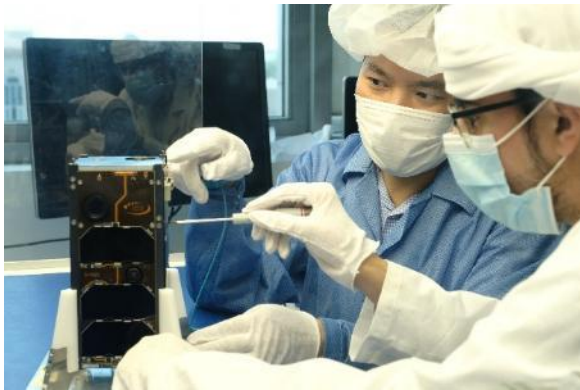
# Deployment of TechEdSat, F-1 and FITSAT-1 to orbit







# The journey continues...



**MYSAT1**  
2018

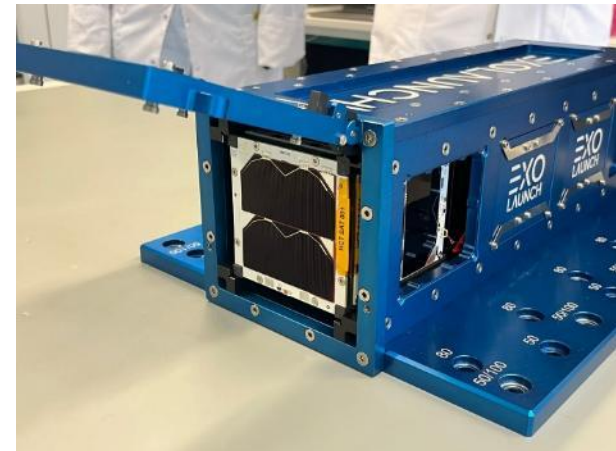
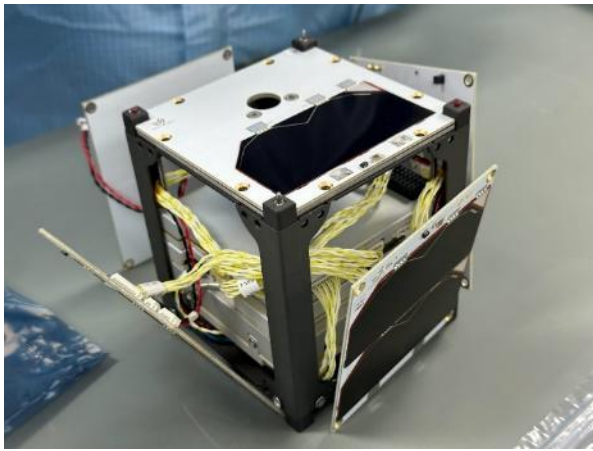
**MEZNSAT**  
2020

**DhabiSAT**  
2021

**Light-1**  
2021



# The journey continues...



Homecoming

a new chapter with VinSpace

# About Vingroup JSC

Vietnam's largest private conglomerate, with proven capability to build and operate complex engineering & manufacturing programs

Total Assets (USD billion)<sup>2</sup>



Sector	Core Businesses	Position
Industrials & Technology	Electric Vehicles	#1 <sup>3</sup>
	Real Estate Development, SmartCity, Smarthomes & IoT	#1 <sup>4</sup>
Services	Hospitality & Entertainment	#1 <sup>5</sup>
	Healthcare	#1 <sup>6</sup>
Social Enterprises	Education	#1 <sup>7</sup>
	VinBus	#1 <sup>8</sup>

USD 33 billion in total assets (c.330x increase since 2007)

**+ VinSpace, VinEnergy, VinDynamics (2025)**

<b>Sovereign Wealth Funds</b> 	<b>Strategic Partners &amp; Joint Ventures</b> 	<b>Private Equity</b> 	<b>Other Investors / Capital</b> 
-----------------------------------	--	---------------------------	--------------------------------------

Source: Consolidated unaudited financial statements as of 31 December 2024, unless otherwise stated. Note: 1. Including equity related, equity-linked transactions as of 31 December 2024; 2. Total assets from 2007 to 2013 based on VAS financials. USD/VND exchange rate of 25,300. Numbers for FY2014-2019 are pro-forma, excluding retail and agriculture segments as we divested these in 2019. 3. Based on number of car deliveries in 2024. 4. Based on cumulative units sold in 2016-2024 across all segments in the residential markets of HCMC and Hanoi, only includes retail sales, according to CBRE, as of 4Q2024. 5. Based on number of room keys in 5-star hotels, resorts and upscale condotels, compared with other domestic hospitality groups, as of December 2024. 6. Vinmec international hospitals and clinics were ranked as the Best Managed Company in 2022, 2023, and 2024 in Vietnam by Deloitte. 7. Based on total number of kindergarten to high school students in selected private and international schools in Hanoi and HCMC in school year 2024 - 2025. 8. VinBus is the only electric public transportation operator in Vietnam

# About VinSpace JSC

**Vision:** To become a leading full-stack aerospace company in Vietnam

**Mission:** To become the single-stop-shop for small satellites manufacturing and space applications by providing relevant facilities and practical expertise.

## Core Value: SPACE

- Speed
- Professionalism
- Accuracy
- Creativity
- Engineering Excellence



# Development roadmap

## I. Phase 1 (2 years):

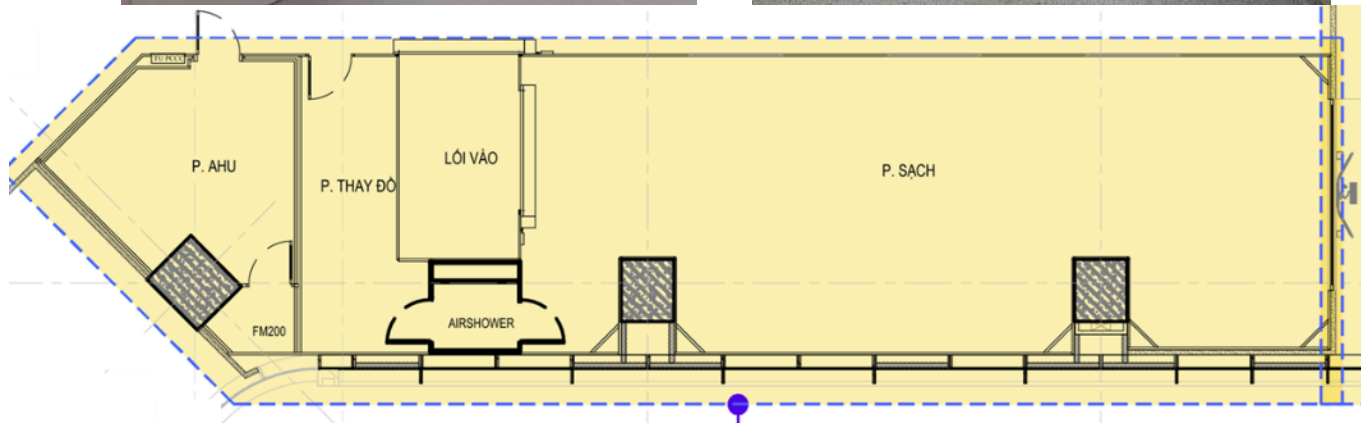
1. Establish infrastructure for CubeSats AIT, Ground Station
2. Build and launch CubeSats constellation for IoT applications, gain flight heritage for in-house developed subsystems (first launch with SpaceX in April 2027, 6-8 CubeSats)
3. Explore other applications such as EO, Maritime surveillance...

## II. Phase 2 (2 years)

1. Extend manufacturing capabilities, target larger microsat platforms and scale up constellation size (100+ satellites)
2. Begin commercialization and expand products/services coverage in South East Asia, Africa, South America...
3. Become a prime contractor for government space missions

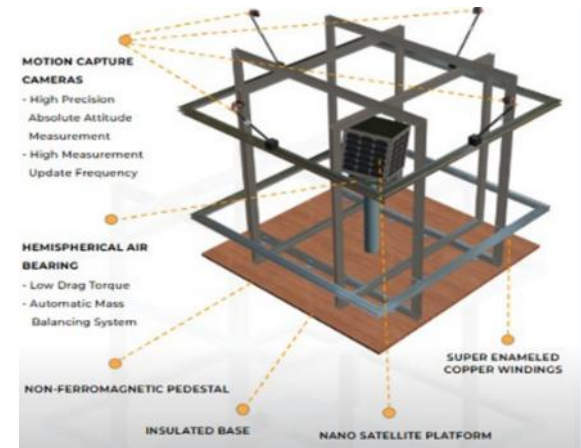
# Small satellite AIT facilities

- Class 10,000 cleanroom (ISO 7), 100 m<sup>2</sup>
- Separate entrance for large equipment
- Can support up to 50kg satellite class
- 02 independent AHUs
- Controlled environment (temperature, humidity)



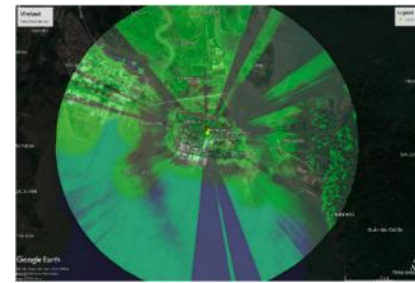
# Small satellite AIT facilities

- Helmholtz cage with air-bearing platform
- *Solar simulator*
- Vibration/shock test equipment
- *Thermal vacuum chamber*
- Test bench for *micro-thrusters*



# Small satellite AIT facilities

- UHF commercial band
- 5.4m S/X-band *antenna*
- Mission Control Center



# Human resources

- ~50 employees and counting (company founded in November 2025)
- Access to a strong pool of young, motivated Vietnamese engineers
- Headcount expected to exceed 120 employees by the end of 2026



# Partnerships



***WE ARE OPEN FOR COLLABORATION!***

Thank you for your attention!

