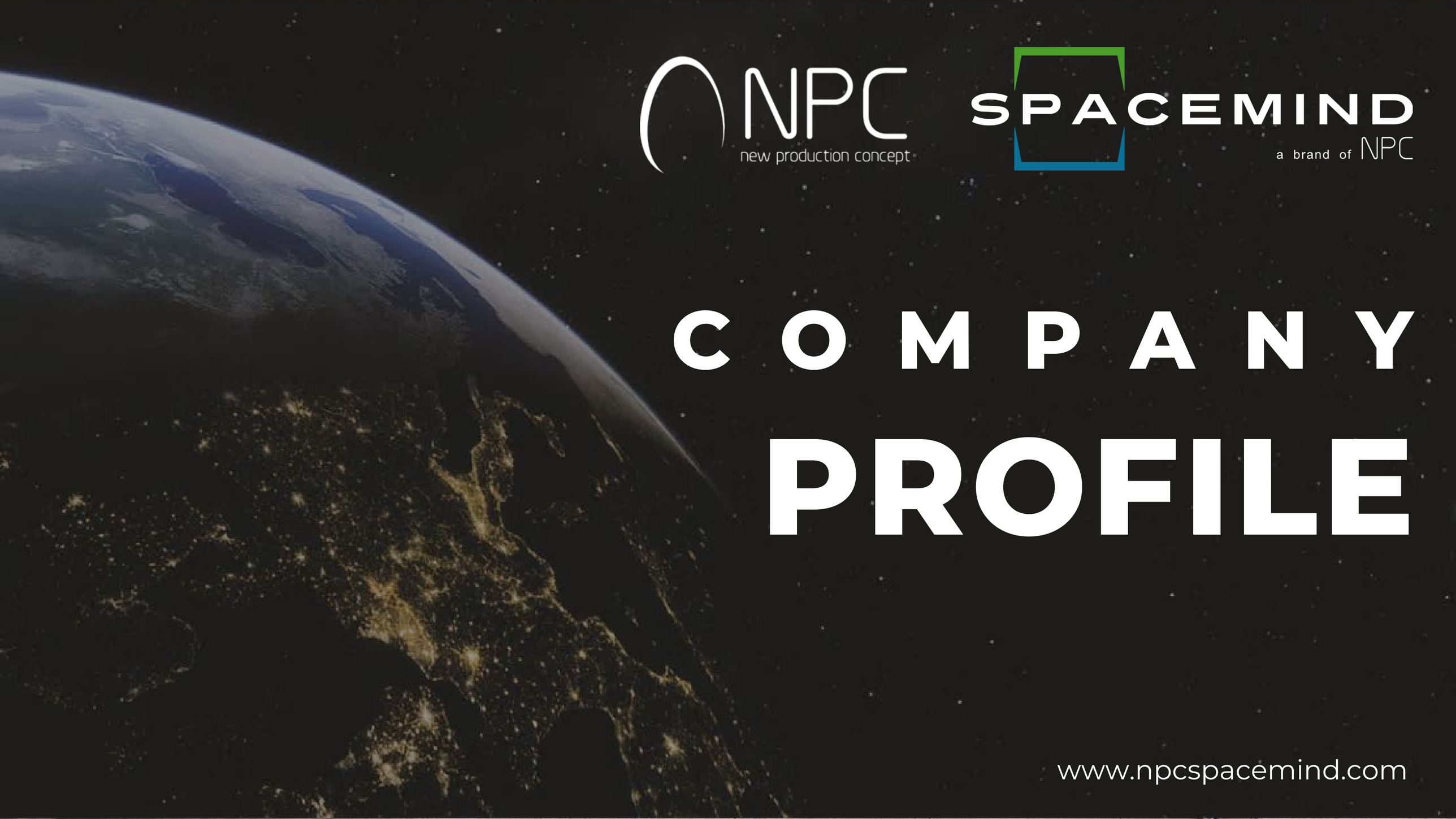
1 ° Seminario residenziale imprenditori Confindustria Emilia

- 6 febbraio 2026 -

Nabore Benini

Focus Aerospace



NPC
new production concept

SPACEMIND
a brand of NPC

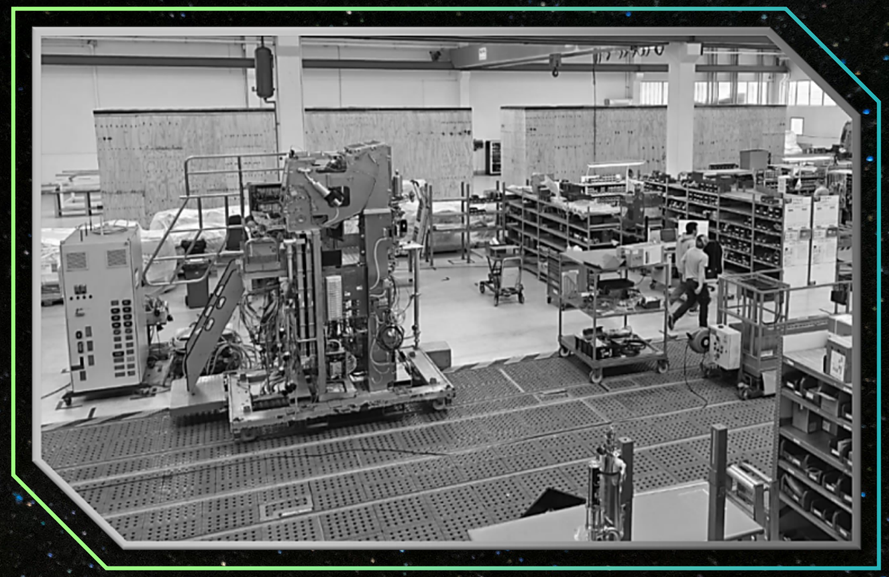
COMPANY PROFILE

www.npcspacemind.com

WHO WE ARE

N.P.C. New Production Concept S.r.l. is an Italian company based in Imola (BO), founded in 2002 by its president, **Nabore Benini**, **CURTI Spa** and **ECOR Spa.**

NPC is a leader in the integration and assembly of electro-mechanical products.



N.P.C. can count on 75 employees and reported a 2024 Turnover of €32,5 million.

The production process has always been characterized from the beginning by a strong focus on the quality management system, which today has led to the certification **ISO 9001:2015** and **ISO 14100**.

OUR FACILITIES

Headquarters: Imola

7000 sqm plant area, subdivided as below:

- **650** sqm design and development area
- **5350** sqm assembly and testing area
- **800** sqm warehouse area
- **200** sqm quality control area
- **45** sqm controlled conditions area

Space Facility: Faenza

More than **1000 sqm** dedicated to **SPACE** activities

- **500** sqm design and development area
- **100** sqm assembly and testing ISO 8 clean room
- **200** sqm laboratories
- **200** sqm warehouse area

Space Activities: Massa Lombarda

The Massa Lombarda facility has been added to NPC facilities to carry out activities related to the integration of large MGSE and complex mechanisms. A total area of **1500 sqm** has been made available for this activity.

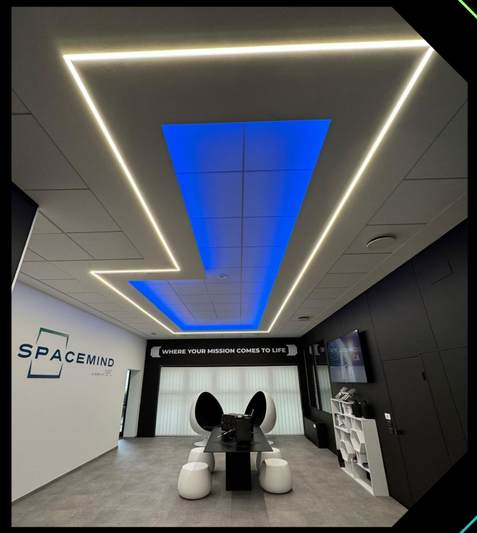

SPACEMIND
a brand of

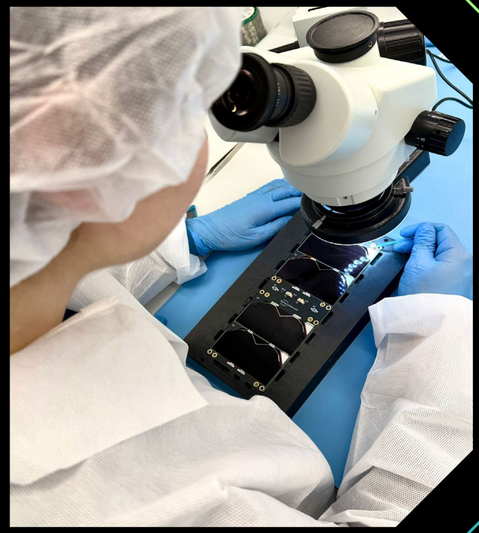
SPACEMIND

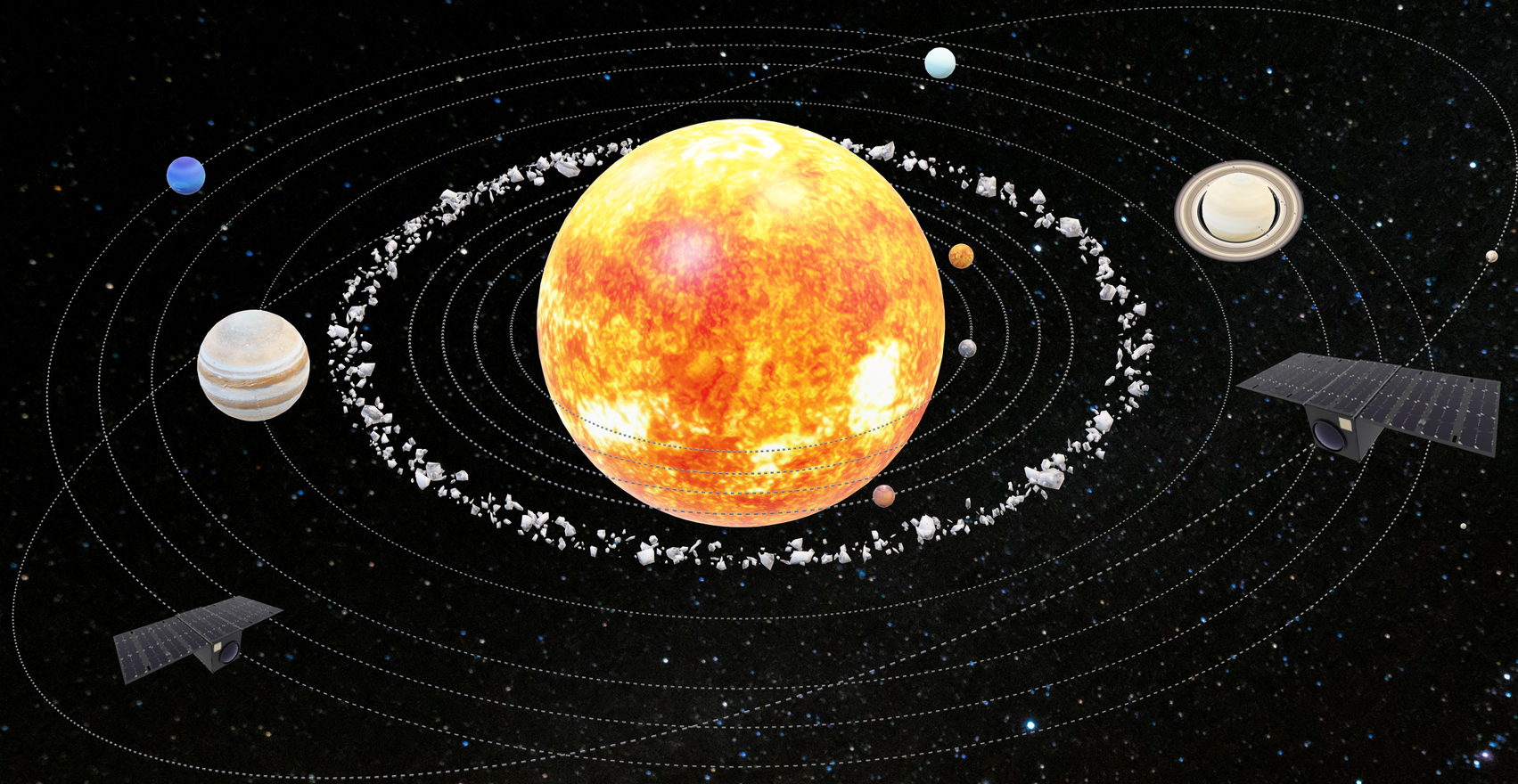
a brand of NPC

Since 2013 through the **SPACEMIND** business unit, the company has been engaged in research and development activities aimed at the commercialization of integrated solutions in the Space sector for civil and defense applications.

SPACEMIND now provides cutting-edge solutions combining innovation with precision engineering.







+10

YEARS IN SPACE SECTOR

+150

HARDWARE PROVIDED

+5%

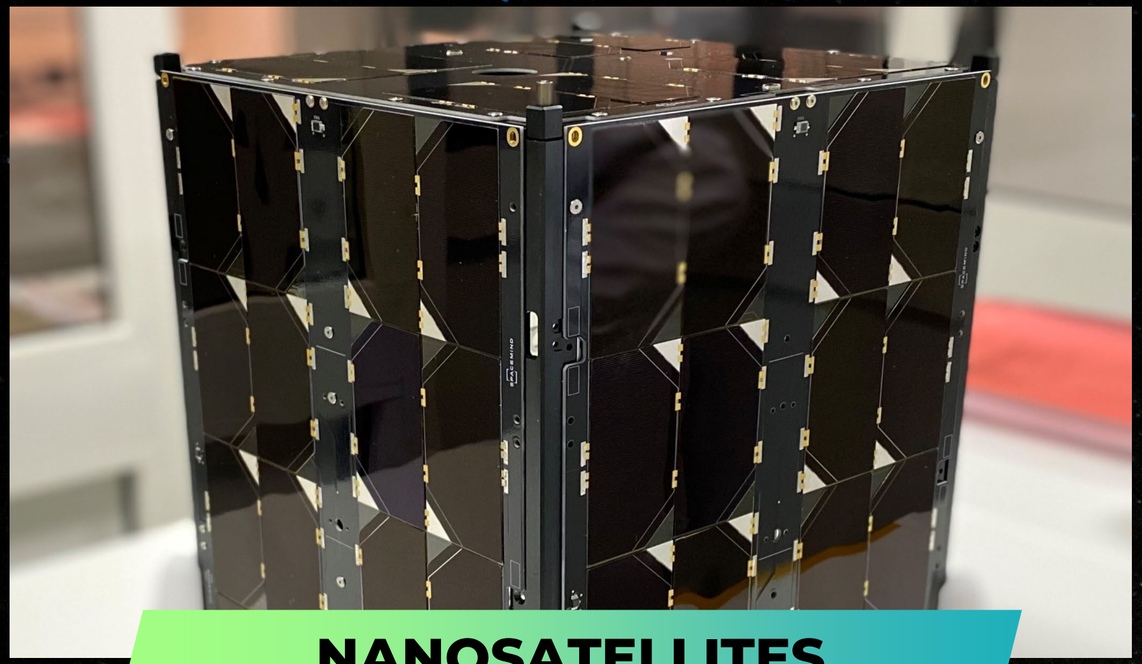
OF REVENUE INVESTED INTO R&D

+10

SPACE MISSIONS

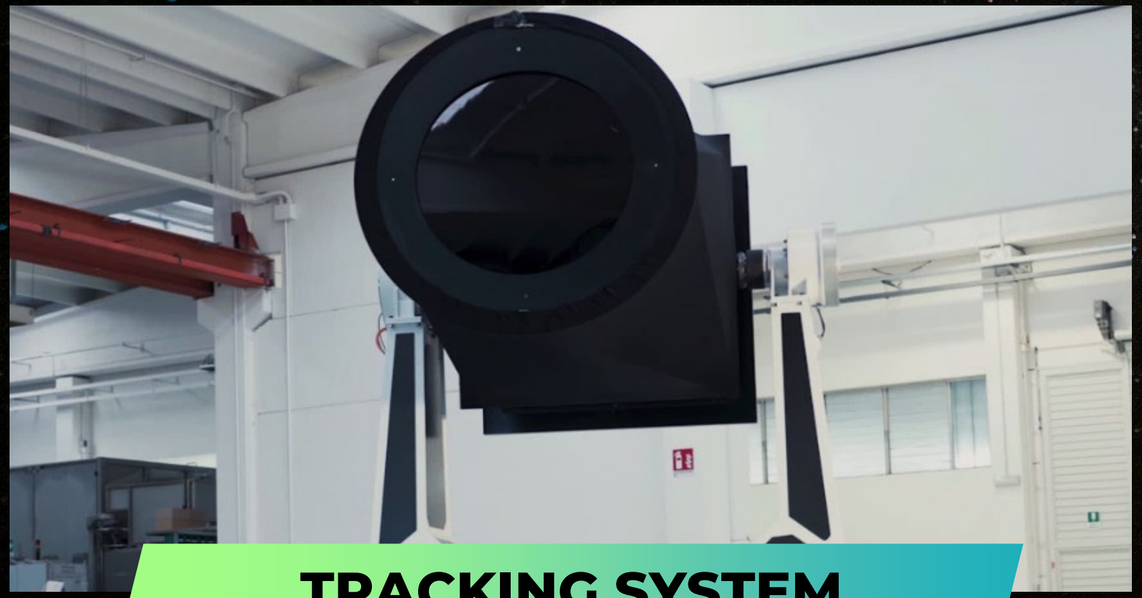
+70

FULLTIME EMPLOYEES

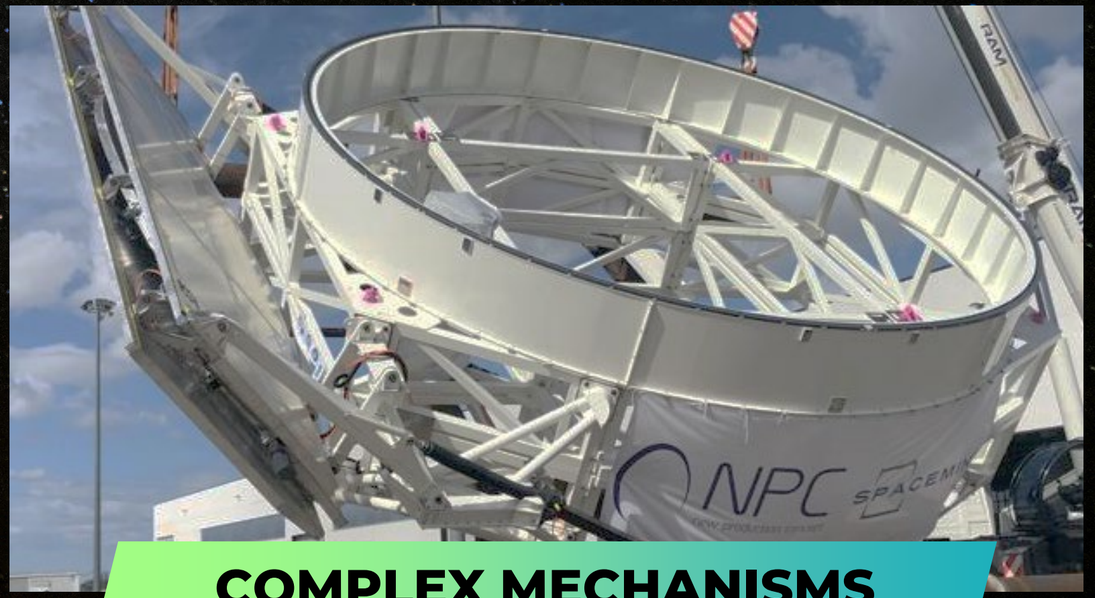


NANOSATELLITES

SEPARATION SYSTEMS



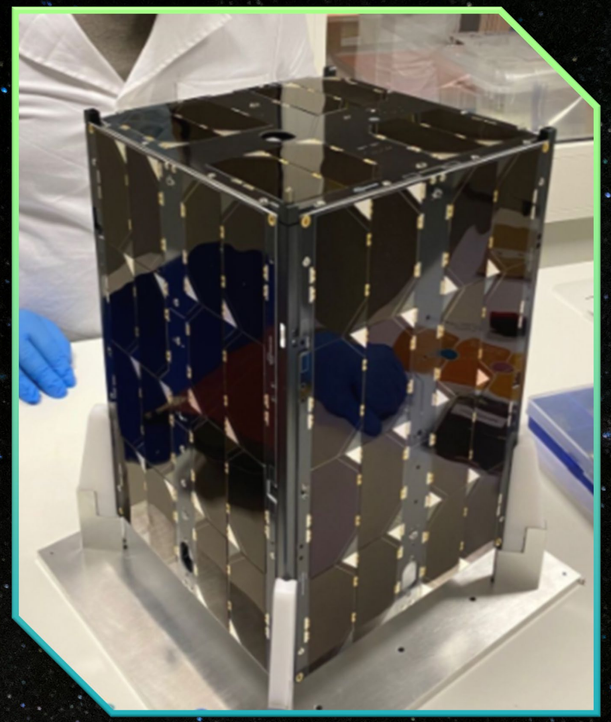
TRACKING SYSTEM

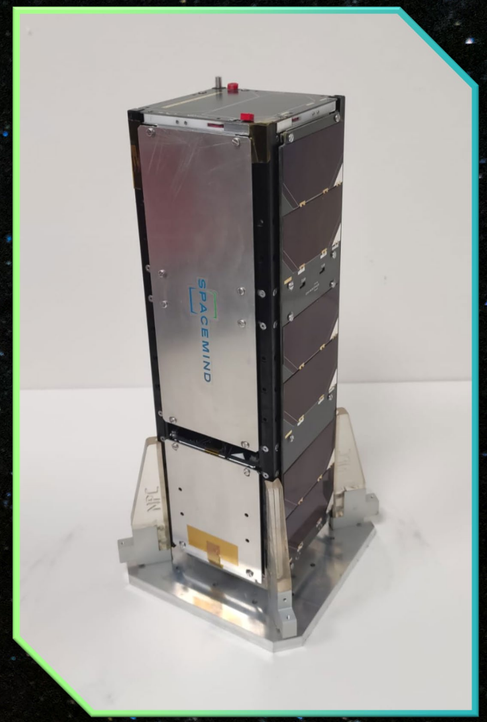


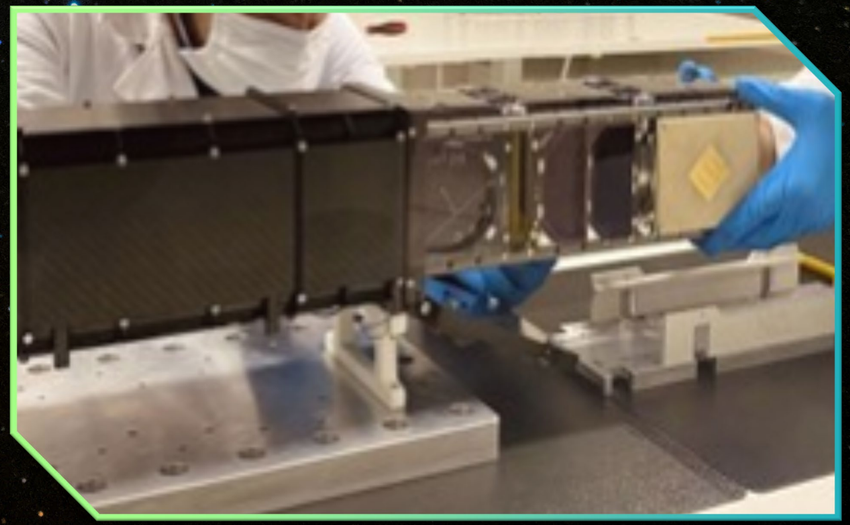
COMPLEX MECHANISMS

NANOSATELLITES

- **End-to-end mission management**: covering everything from defining requirements to conducting on-orbit operations, all tailored to our clients' needs.
- Fully equipped **nanosatellite platforms** up to 16U, customized for specific payloads.
- **ARTICA** deorbiting drag sail, an effective response to the problem of space debris
- A wide range of **nanosatellite hardware**, with subsystems honed through various mission experiences.







SERVICES

SPACEMIND provides complete solutions for nanosatellites, CubeSats, and space projects, turning research into commercial products. With over 10 years of aerospace experience, we offer high-quality hardware, platforms, and mission services.

SPACE DEBRIS MITIGATION

ARTICA is a compact deorbiting device based on the deployment of an aerobrake sail (2 sqm).

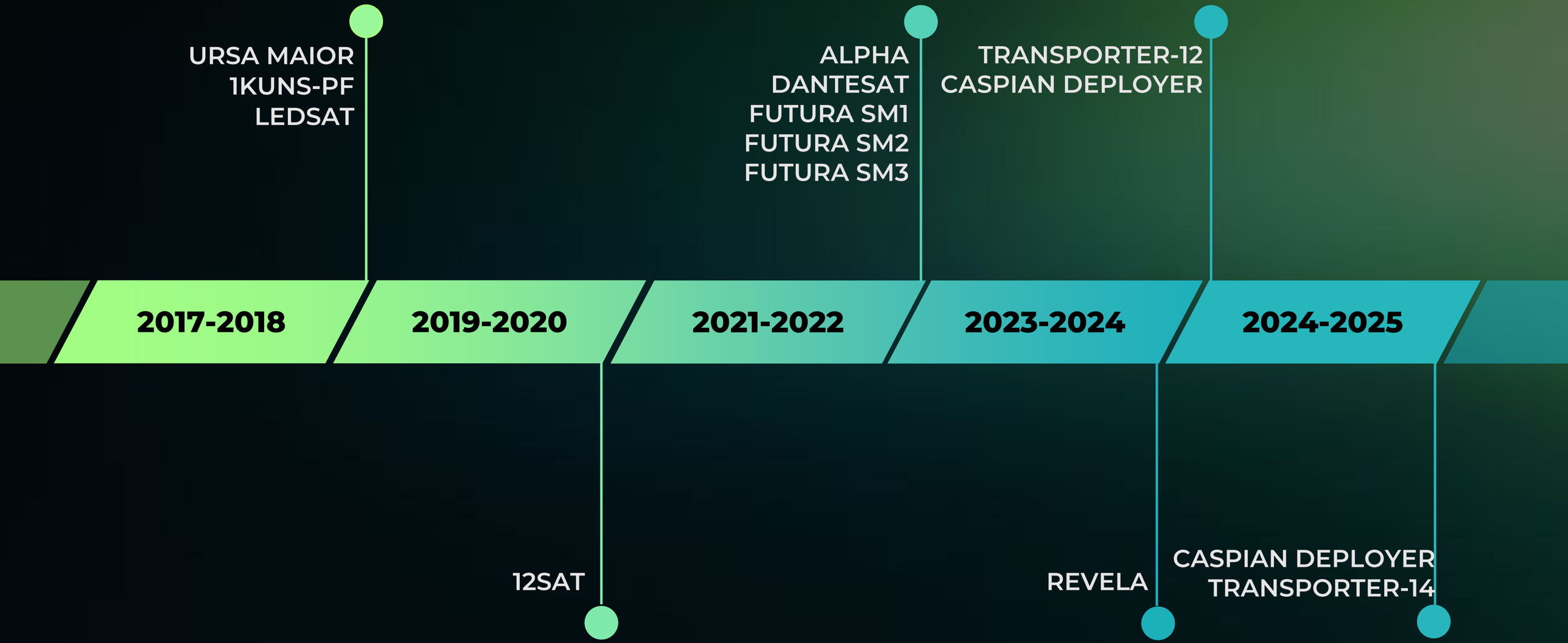
The system is able to accelerate the decay of the orbit and safe destruction in Earth atmosphere of the satellite at the end of the mission, as an effective response to the problem of **space debris.**

- Customizable interfaces;
- **Plug&play;**
- Possible Complete **autonomy**;
- **PC104** compatible;

- Sail surface up to **2,1 m^2**;
- Compact size **<0,3 U**;
- Low mass **< 280 gr**;
- High reliability
- Ease of integration;
- Scalable performances;

✓ **SPACE HERITAGE 07/2022**

INTERNATIONAL MISSIONS OVER THE YEARS OVERVIEW

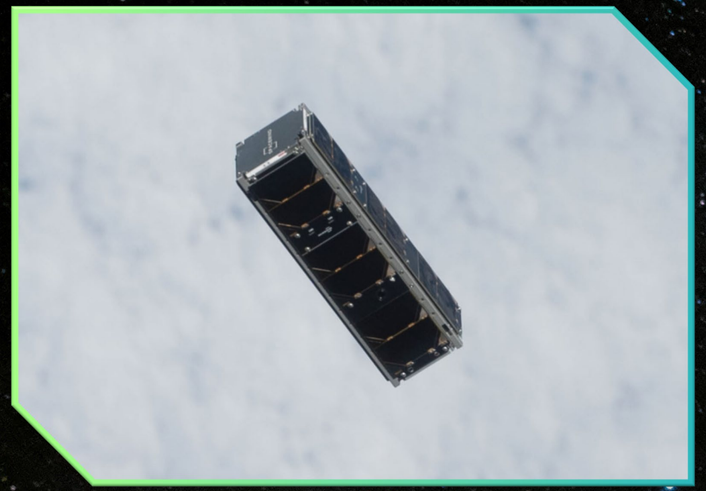


MISSIONS OVERVIEW

1KUNS - PF

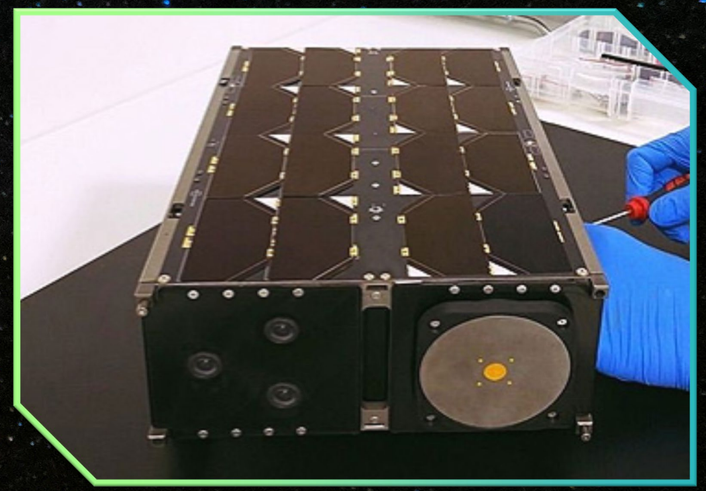
NPC SPACEMIND co-developed the first Kenyan satellite, the 1U cubesat **1KUNS-PF**, on the basis of a collaboration agreement established with University of Nairobi and University of Rome.

DANTESAT



DANTESAT nanosatellite is a 3U CubeSat mission that intends to cover the gap between culture and research.

FUTURA SM3

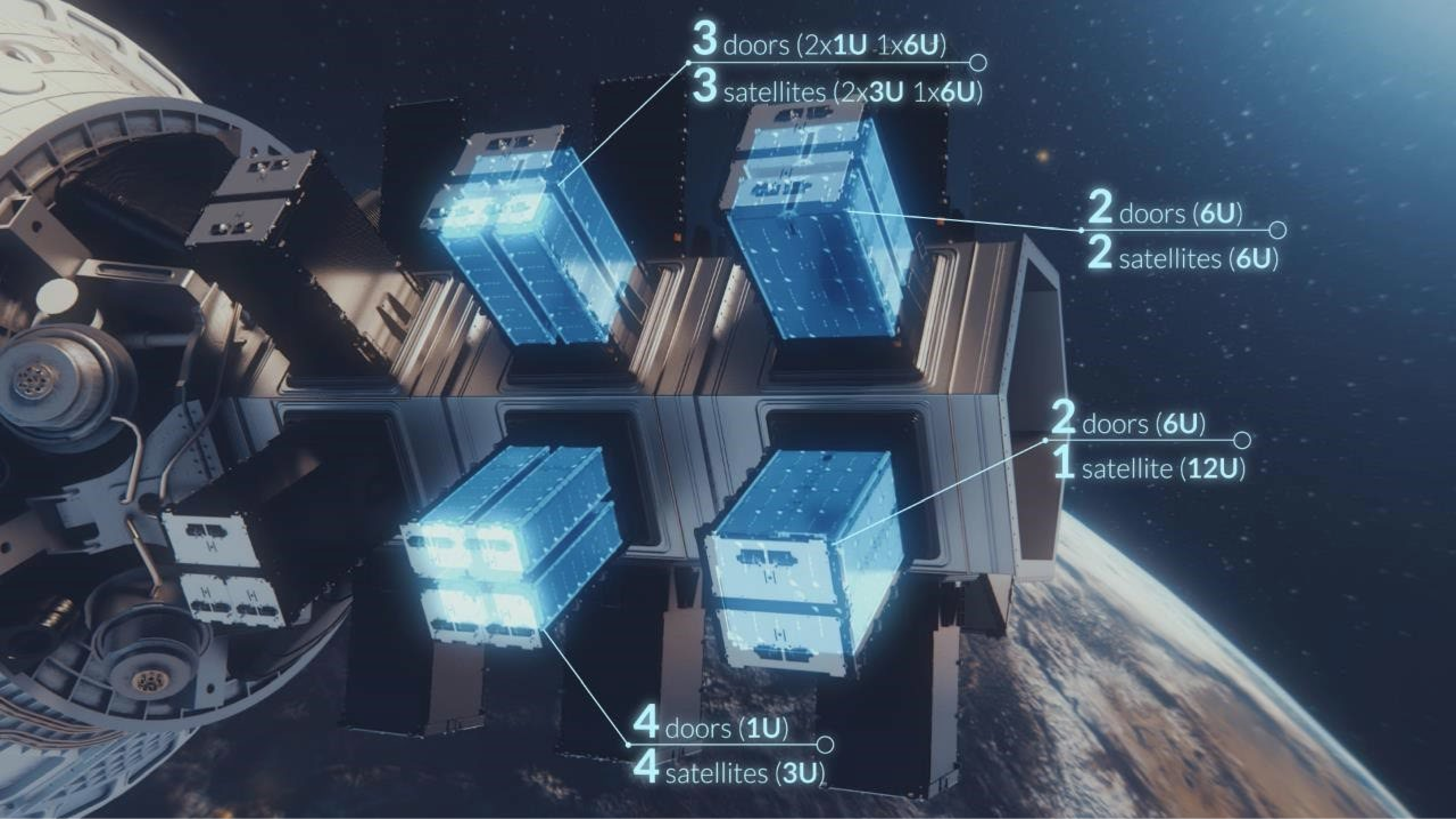


FUTURA SM3 was a 6U CubeSat (two side-by-side 3U units) aimed at demonstrating SPACEMIND's 6U-compatible deorbiting sail in orbit. It reentered Earth's atmosphere on April 19, 2023.

CUBESAT DEPLOYERS

- **SMPOD** is a family of CubeSat deployers.
- It exploits non-explosive actuators (NEA) in a redundant configuration to trigger the opening of a door;
- **SMPOD** exploits a dynamic rail to clamp the satellite during launch, avoiding rattling;
- **3U, 16U** dimensions in XL and standard configuration

- Internal rail dimensions: 227x100,7mm (6U Conf.)
- 16U to 12U adapters
- Vertical payloads integration
- Lateral Protrusion: up to **48mm**
- Top Protrusion: up to **5.5mm**
- Accessibility: Top and Lateral access
- Maximum payload weight: **up to 36 Kg**


3 doors (2x1U 1x6U)
3 satellites (2x3U 1x6U)
2 doors (6U)
2 satellites (6U)
2 doors (6U)
1 satellite (12U)
4 doors (1U)
4 satellites (3U)

OUR LATEST MILESTONES

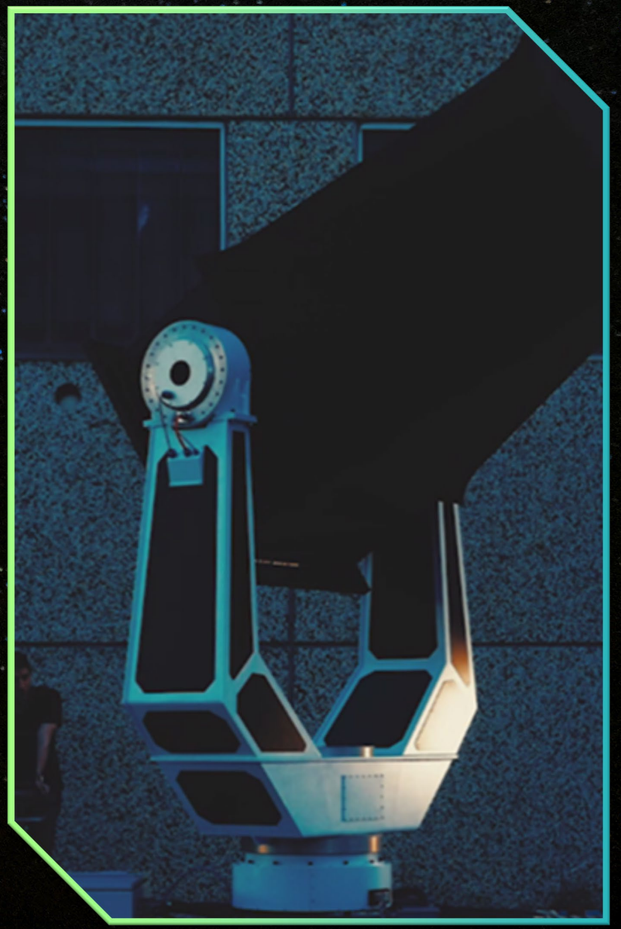
On January 14th 2025 , two of our **SMPOD16-CASPIAN** successfully completed their debut aboard the Falcon 9 SpaceX **Transporter-12** mission, releasing four telecommunication satellites after two hours from the launch!

Photo credits by SpaceX

On June 23rd, 2025, two of our **SMPOD16-CASPIAN** deployers successfully released four satellites into orbit aboard the SpaceX's Falcon 9 **Transporter-14** mission!

HIGH PERFORMANCE TRACKING SOLUTION

MORAL is a family of ALT-AZ high performance telescope mounts designed for SSA applications requiring accuracy, precision and high slew rate for pointing and tracking of objects in orbit.



APPLICATIONS

- Astronomy
- SSA - SST
- Optical communication
- Electro-Optical Tracking

PERFORMANCE

- Pointing Accuracy: **1 Arcsec**
- Max Slew Rate: **80 deg/s**
- Max acceleration: **> 100 dg/s2**;
- Axes Motion: Synchronous @ 1ms
- Telescope aperture: **0,400 – 1,2 m**
- Max Payload mass: up to 500 Kg

COMPLEX MECHANISMS

GIANT MAGELLAN TELESCOPE COVER

(Image credit: GMTO Corporation

The telescope is composed of **seven primary mirrors, 8.4 meters** in diameter, to form an effective aperture of 25.4 meters that will be able to explore new frontiers in nearly all areas of astronomy. Co-design, industrialization and AIT of the seven **reflector covers** including the design, manufacturing and test of all the **MGSE.**

FLYEYE TELESCOPE

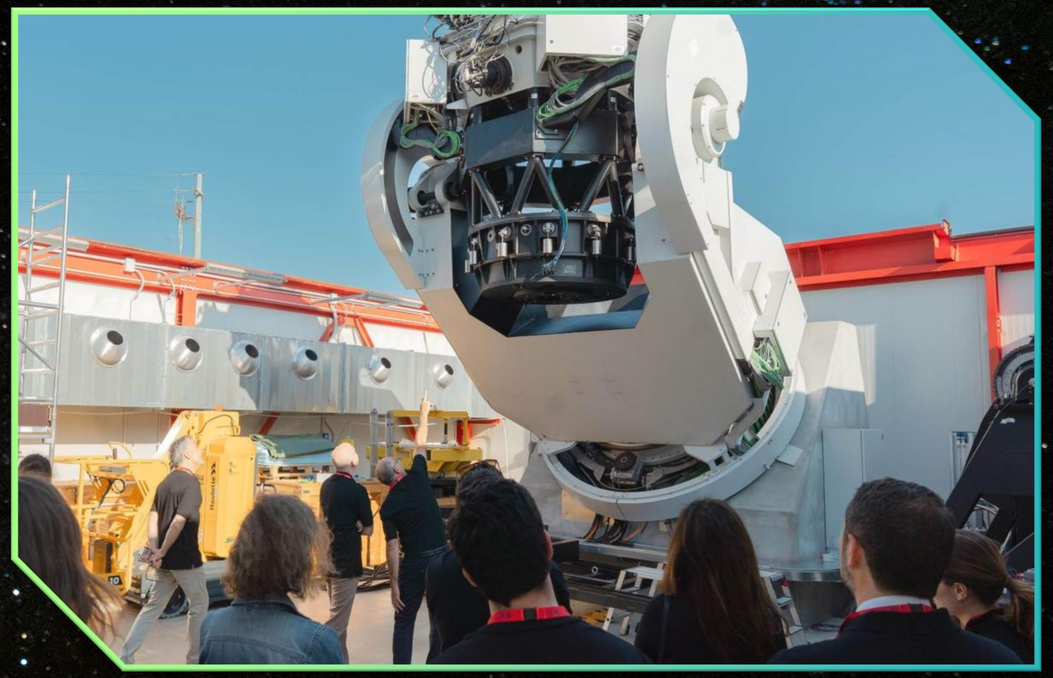


Photo credits by ESA

SPACEMIND contributed to the assembly of some components of the telescope, supporting this advanced system that will soon help protect Earth by providing early warnings of space threats.

OUR PARTNERS

OHB ITALIA

ThalesAlenia Space
a Thales / Leonardo company

D-ORBIT

METASENSING
RADAR SOLUTIONS

مركز محمد بن راشد للفضاء
MOHAMMED BIN RASHID SPACE CENTRE

MBDA

APOGEO SPACE

GITAI

ORIS

IS

SPACEBEY
BEYOND SPACE

OUR NETWORK

Agenzia Spaziale Italiana

European Space Agency

SAPIENZA
UNIVERSITÀ DI ROMA

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Politecnico
di Bari

TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA

MEMBER OF

ITALIAN INDUSTRIES FEDERATION FOR AEROSPACE, DEFENCE AND SECURITY

SPACEMIND

a brand of NPC

THANK YOU!

WHERE YOUR MISSION COMES TO LIFE

OUR CONTACTS

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