

A spacecraft is shown in the foreground, partially obscured by a large, dark, curved structure. In the background, the Earth is visible as a bright, curved horizon against a dark sky. The overall scene is in a dark, monochromatic style with some highlights on the spacecraft and the Earth's surface.

We build space vehicles for a
○ *cooperative future.*

Company Introduction
Q3-2025.



The Exploration Company

WHO WE ARE.

We develop, manufacture and operate
Europe's first and only reusable
spaceship, making space **affordable,**
available, sustainable and open.

A global
endeavor with
European
roots.

Founded

July 2021

July 2025

4 Locations

in Germany, France, Italy &
USA

300+

Employees

800M€

contracts won

225M€+

Funding


Context.



We are experiencing a space
exploration *renaissance*.

Context.

We are at a
technological
turning point
that makes space
exploration
accessible.

- 
- ① Large and affordable rockets
 - ② Reusable space vehicles
 - ③ Refillable space vehicles

Context.

New space stations are being built around the Earth, and private space stations will be operational before 2030.



ISS 
OPERATIONAL

Tiangong 
OPERATIONAL

Axiom 
2027

Haven 
2028

Starlab 
2029

Bharatiya 
2029

Orbital Reef 
2030

Russian Orbital
Service Station 
2030

Kibo 
2030

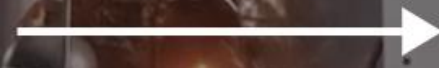
Market.

This is a massive and fast-growing market.

From

To

\$5B



\$50B

2025

2035

A photograph of the Orion spacecraft in space, showing the service module and the conical crew module with the NASA logo. The background is the blackness of space.

Space transportation is the enabler and amounts to 70% of this new market.

① Cargo resupply

② Human spaceflight

Problem.



But there is a *shortage* of affordable
and reliable space vehicles.

Problem.

Today, only
three vehicles
come back from
space stations.

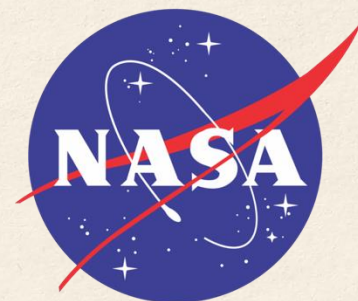
- 1 – Chinese.
- 1 – Russian.
- 1 – American.

Only *one* is
affordable,
reusable, and
accessible to
democracies.



Problem.

Today, only *two* barter agreements enable Europe to send astronauts to space.



With ISS deorbiting in 2030, Europe will pay ~~€0.5B~~ *€0.5B* cash to US providers per year.





The *Nyx* Family.



Nyx Earth

Earth to Low Earth Orbit and back.



Nyx Moon

Earth to Moon (stations and surface) and back.

Traction.

We have won major contracts with key *anchor clients*.

Mission Possible sold out within 9 months of starting sales.

ESA confirmed as anchor client of Nyx Earth's first mission – LCRS Phase 1 **competition won with #1 ranking**, ahead of Thales and Airbus.

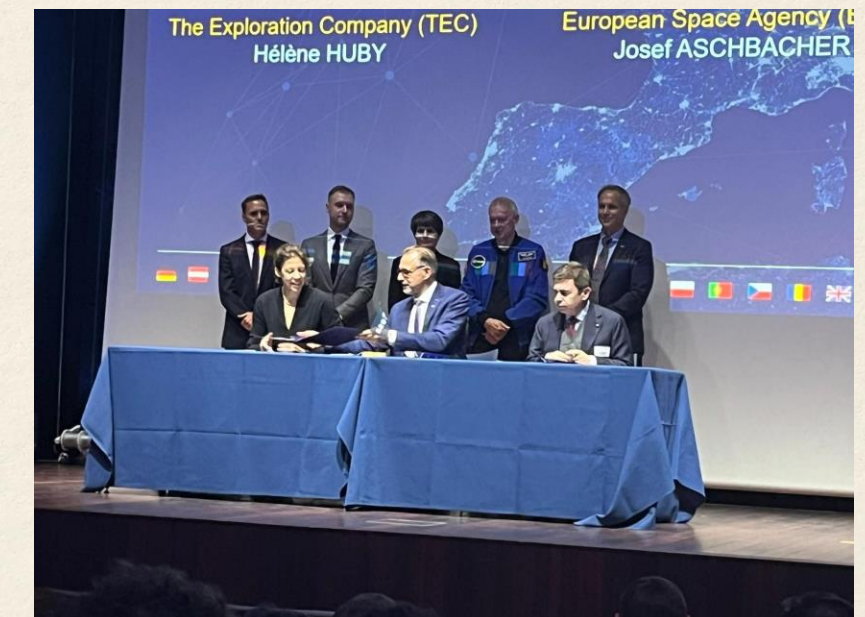
5 missions sold to **Axiom Space, Starlab & Vast** for **€600 million** – contracts with gates in 2025.

160 kg of scientific payloads for **DLR** on Nyx Earth Maiden Flight in 2028

Over €300 million in LOIs received from Nyx payload clients.



Axiom Space contract signature with the French Minister for Finance & Economics and the German Deputy Ambassador in France.



LEO Cargo Return Service signature between Helene Huby (TEC) and Josef Aschbacher (ESA)



Axiom Space

September 2023



ESA

May 2024



Starlab

May 2024

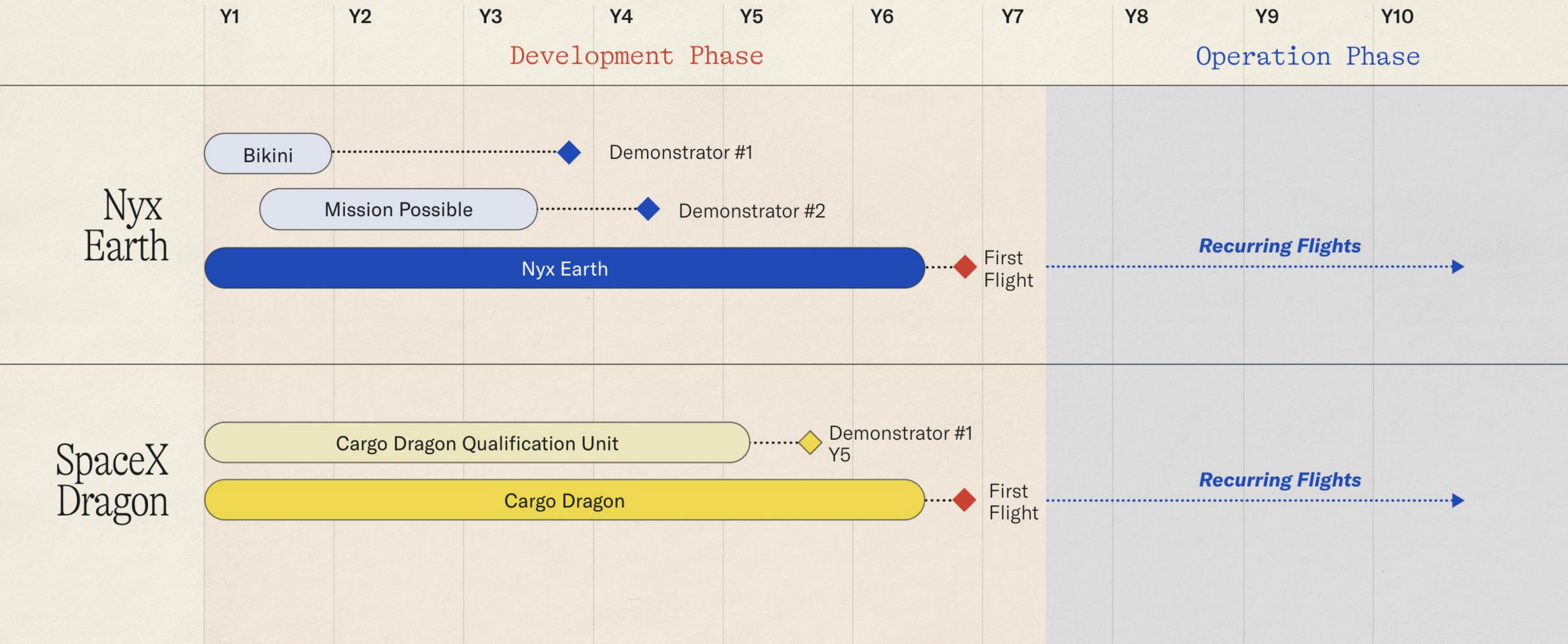


VAST

June 2024



Roadmap – *Nyx Earth*.



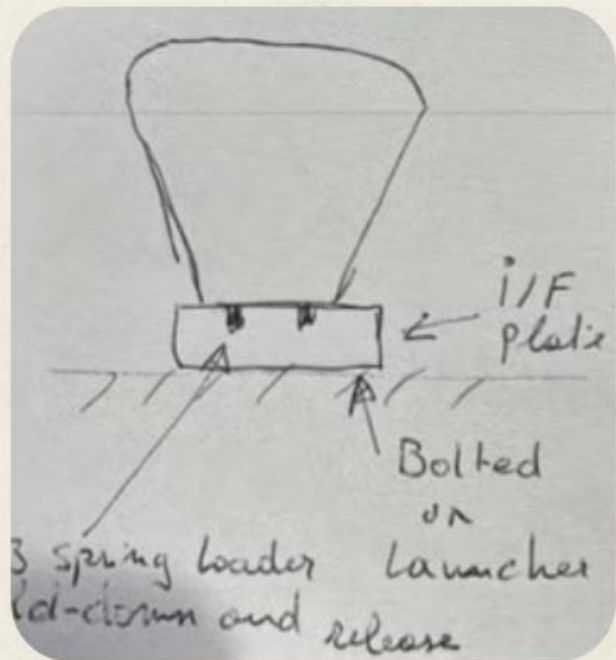
Execution.



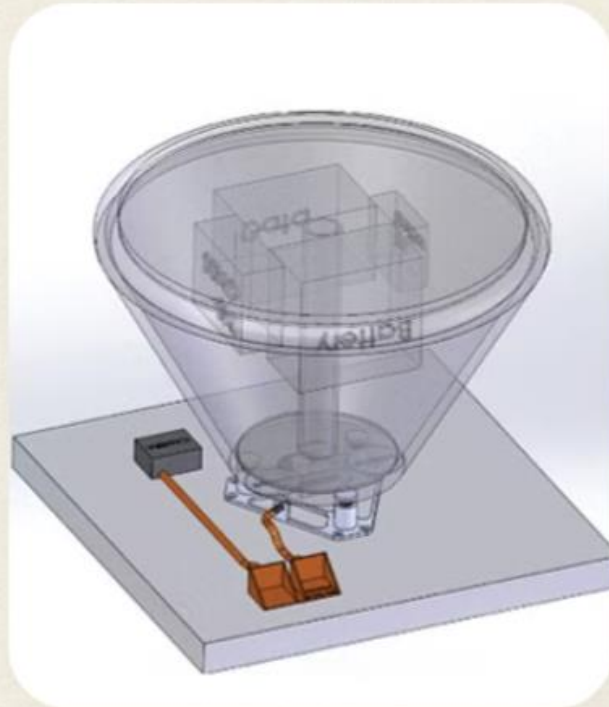
Mission Bikini

Sketch to flight-ready in *9 months*.

Sketch



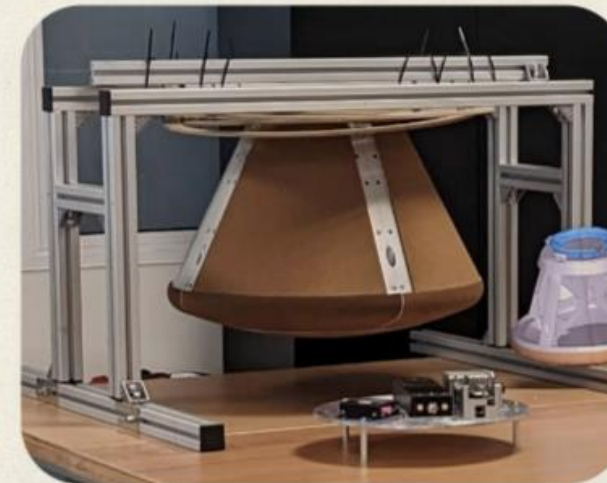
Concept Design



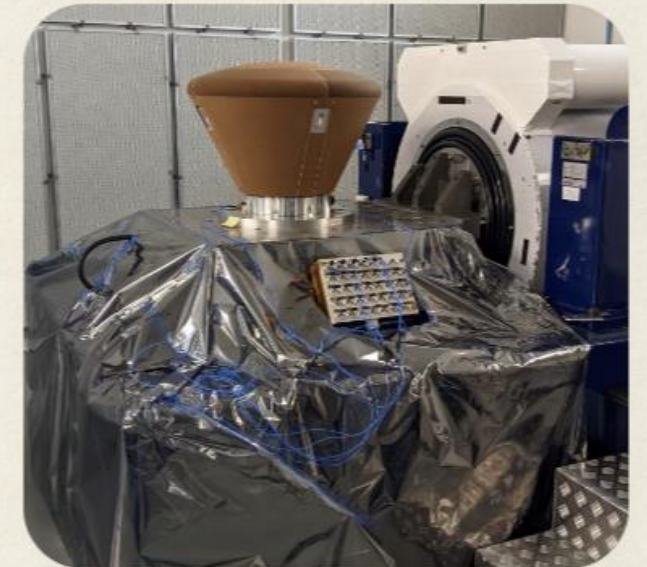
Structure Arrival



AIT



Qualification



January

2022

February

2022

June

2022

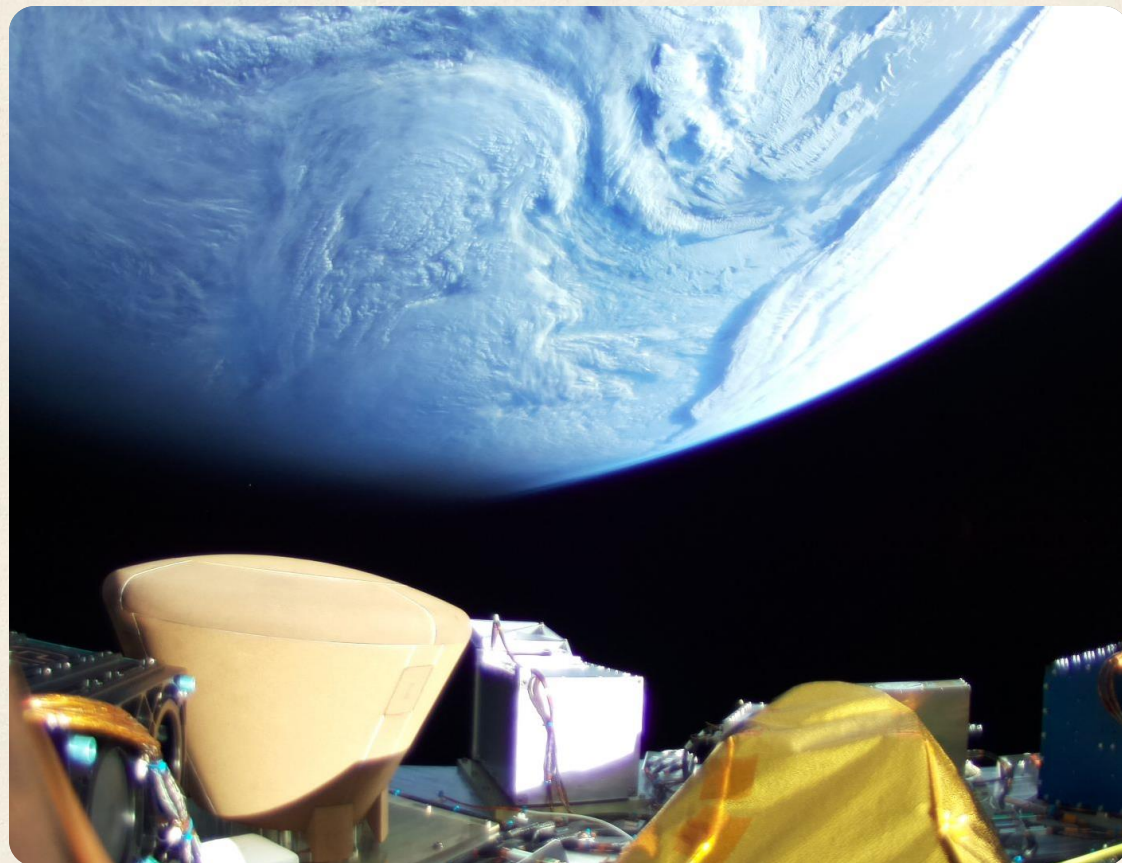
August

2022

September

2022

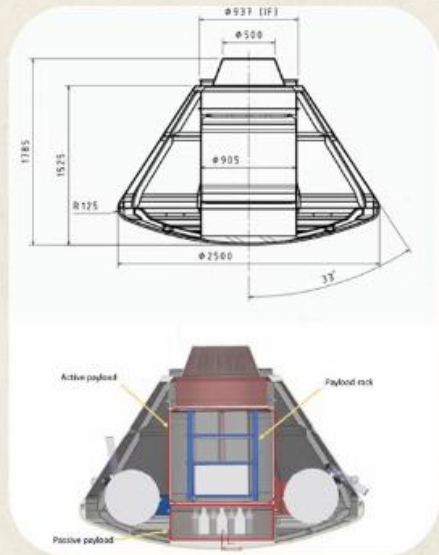
Execution.



Mission Possible

Built for controlled re-entry in *2 years*.

Draft design & accommodation



July
2022

Detailed design & heat shield forging



December
2022

Heat shield & OBC EM manufacturing



May
2023

Moved to Planegg;
proof pressure & leak tests done



July
2023

Thermal protection
bonding for the
heat shield



September
2023

Capsule is 50%
integrated; closed
loop tests on HiL



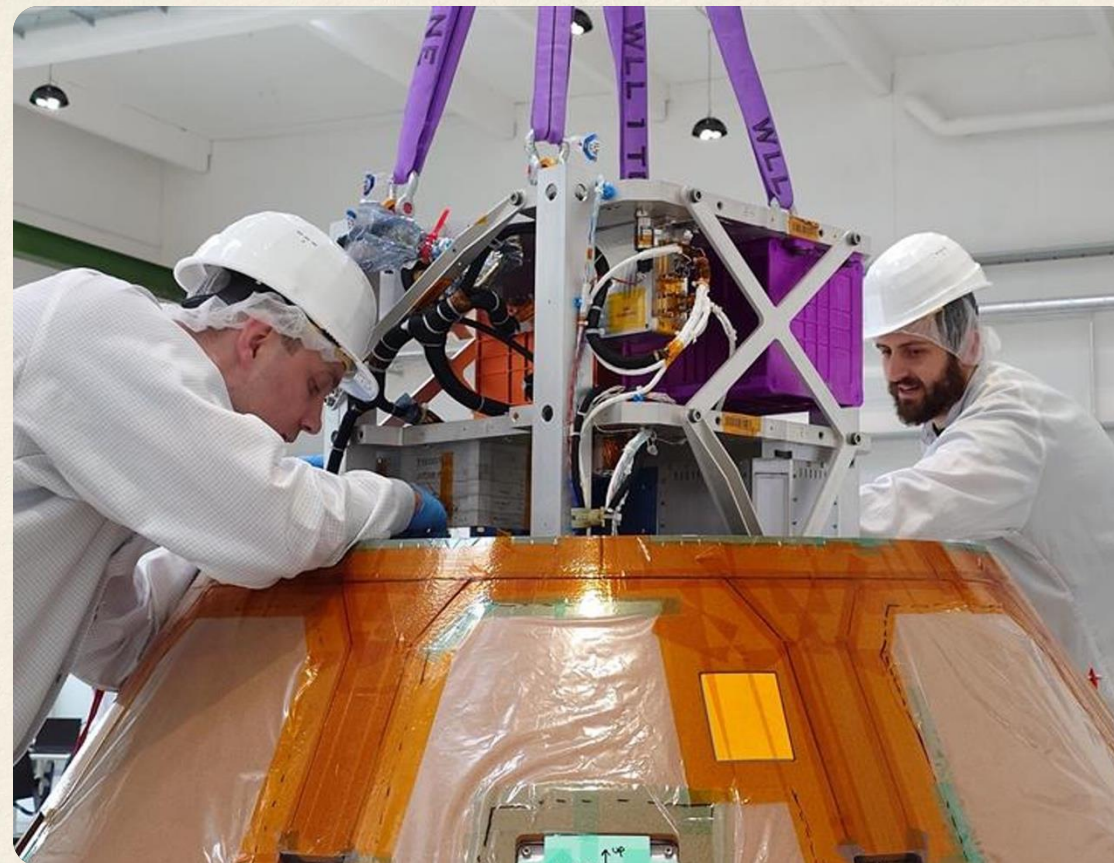
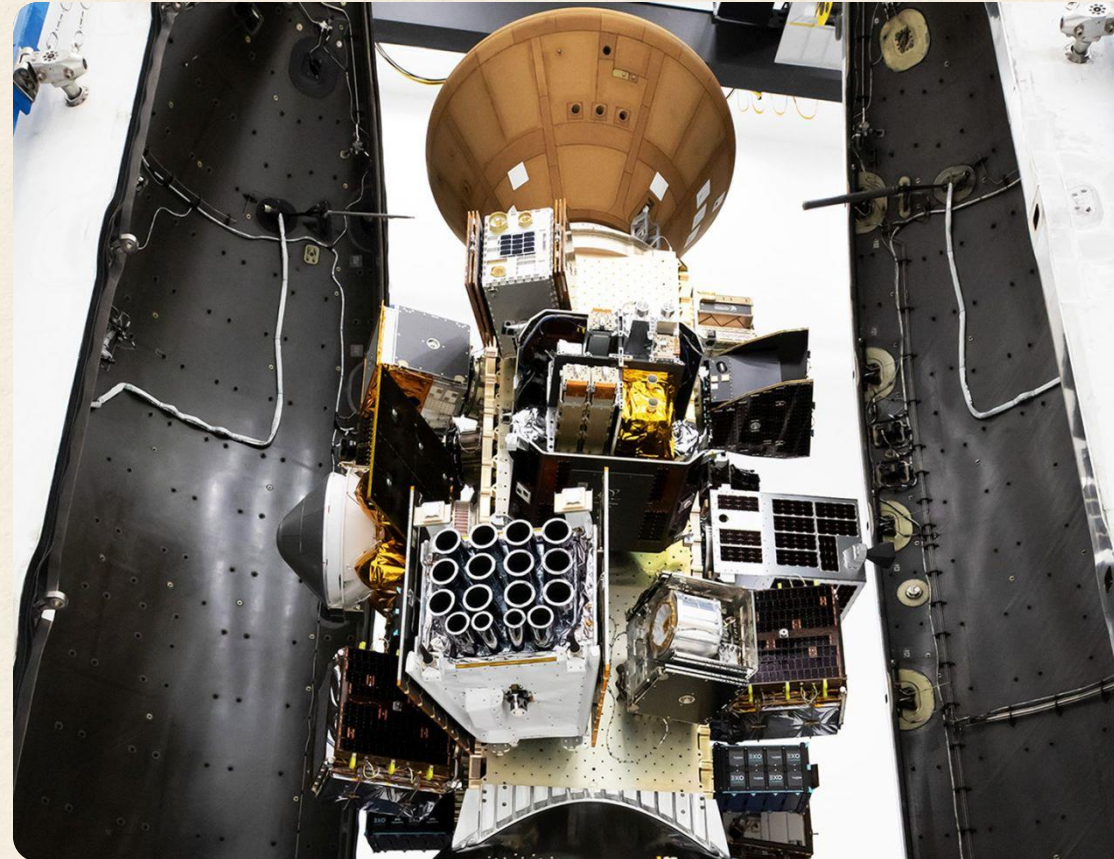
February
2024

Environmental
tests; capsule is
ready for flight ✓



Summer
2024

Execution.

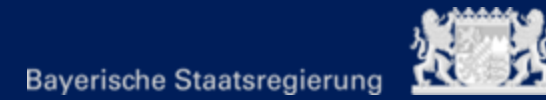




26 customers flying on
Mission Possible

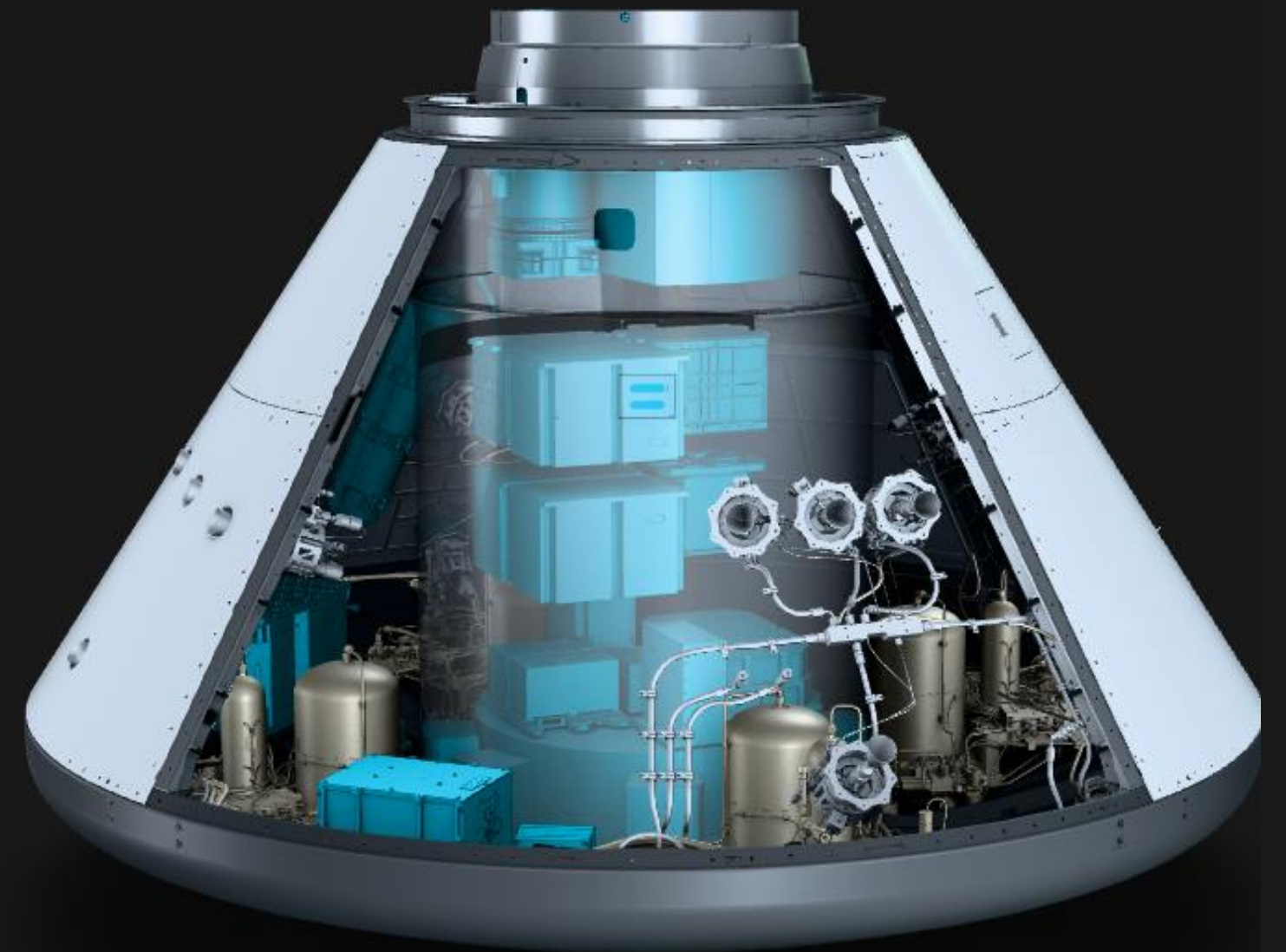


AIRBUS



hydr,•mar s

BioOrbit



Mission Possible Timeline

T0 - 8 days	Recovery vessel departs from Dutch Harbor, Alaska.
T0 - 8 hours	Readiness Check #1, vessel waiting at splashdown area.
T0 - 7 hours	Battery charging check.
T0 - 2 hours	Readiness Check #2, final confirmation from all ground stations.
T0 - 45'	Readiness Check #3, final confirmation from vessel and SCIFLI.
T0 - 15'	Final "Go" for launch from all entities.
<u>T0</u>	Launch: Falcon 9 lifts off from SLC-4, Vandenberg SFB.
T0 + 11'	Payloads powered on - mission officially begins.
T0 + 43'	Payloads powered off.
T0 + 73'	First (non-guaranteed) communication opportunity with the capsule.
T0 + 164'	Capsule separates at ~600 km.
T0 + 175'	Capsule stabilized and heatshield aligned for re-entry.
T0 + 186'	Controlled re-entry begins. Beacons start transmitting via satellite.
T0 + 188'	Start of communications blackout.
T0 + 193'	Plasma blackout ends. Beacon position data resumes.
T0 + 195'	Drogue parachute deploys.
T0 + 198'	Main parachute deploys.
T0 + 202'	Splashdown! The recovery vessel sails to the capsule location.
T0 + 3 days	Capsule recovered and brought aboard the vessel.
T0 + 9 days	Vessel returns to Dutch Harbor, Alaska with capsule onboard.
T0 + 80 days	Capsule arrives in Europe. Payloads returned to clients.

5 Phases of Mission Possible



Phase 1 - T0 until T0+ 2h 44min

Objective - Demonstrating that the capsule can operate clients' payloads.

Phase 2 - T0 + 2h 44min until T0+ 3h 6min

Objective - Demonstrating that the capsule controls its altitude and is stabilized.



Phase 3 - T0+ 3h 6min until T0+ 3h 15min

Objective - Demonstrating the Thermal Protection design, Aerodynamic Models, Flight software and GNC.

Phase 4 - T0+ 3h 15min until T0+ 3h 21min

Objective - Demonstrating deployment of the drogue and main parachute.



Phase 5 - T0+ 3h 21min until T0+4 h

Objective - Demonstrating localization and recovery.



Mission Possible

Built for controlled re-entry in *2 years*.

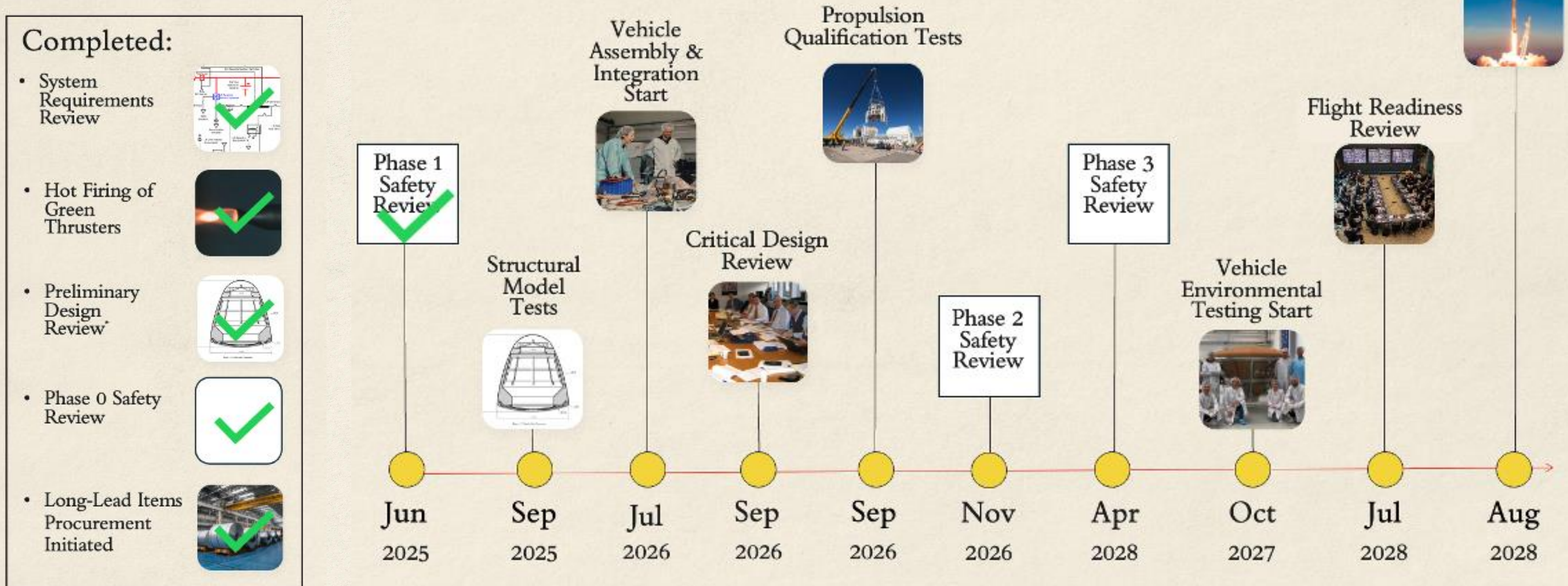


- Achieved 3/5 objectives
- Successful re-entry: first time from orbital velocity
- All subsystems worked in space:
 - Powered each payload on and off
 - Maintained stable communication in orbit
 - Performed attitude control maneuvers
 - orientated heatshield correctly for re-entry
 - Successful communication after blackout phase
- 2 capsules less than 35million EUR in less than 4 years



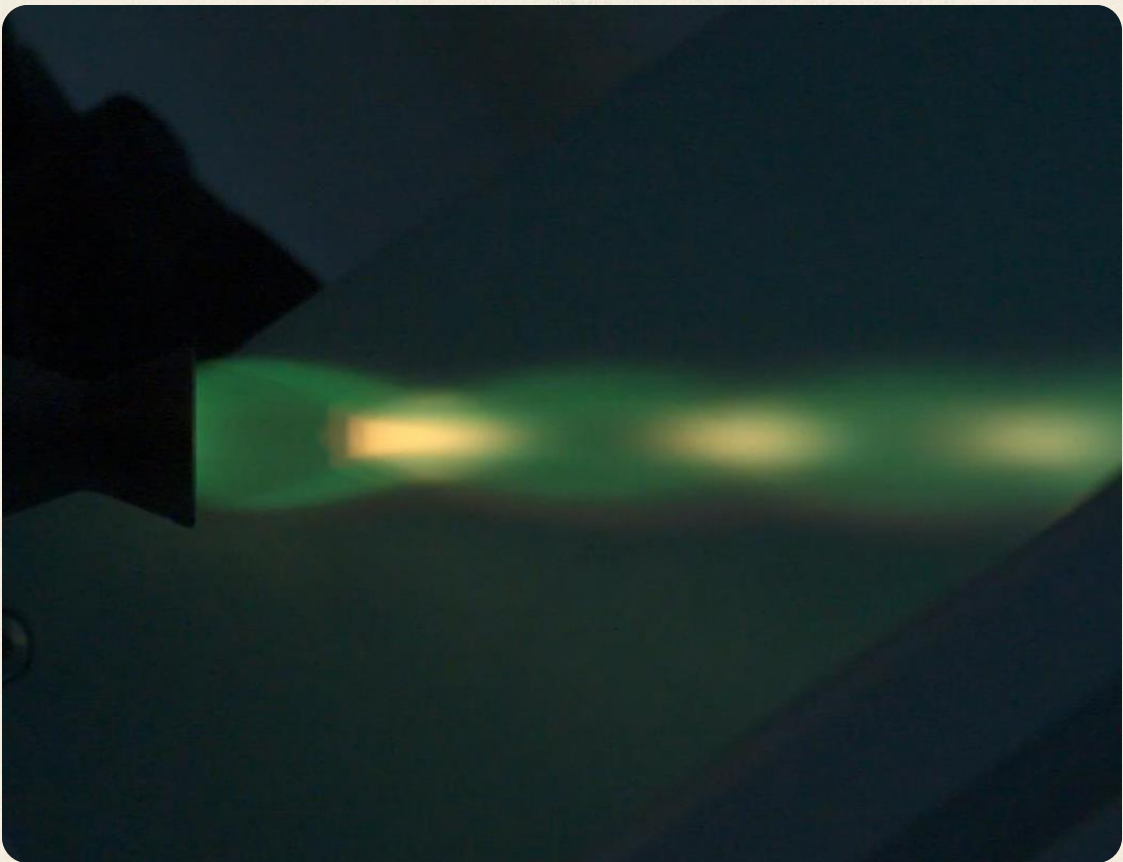
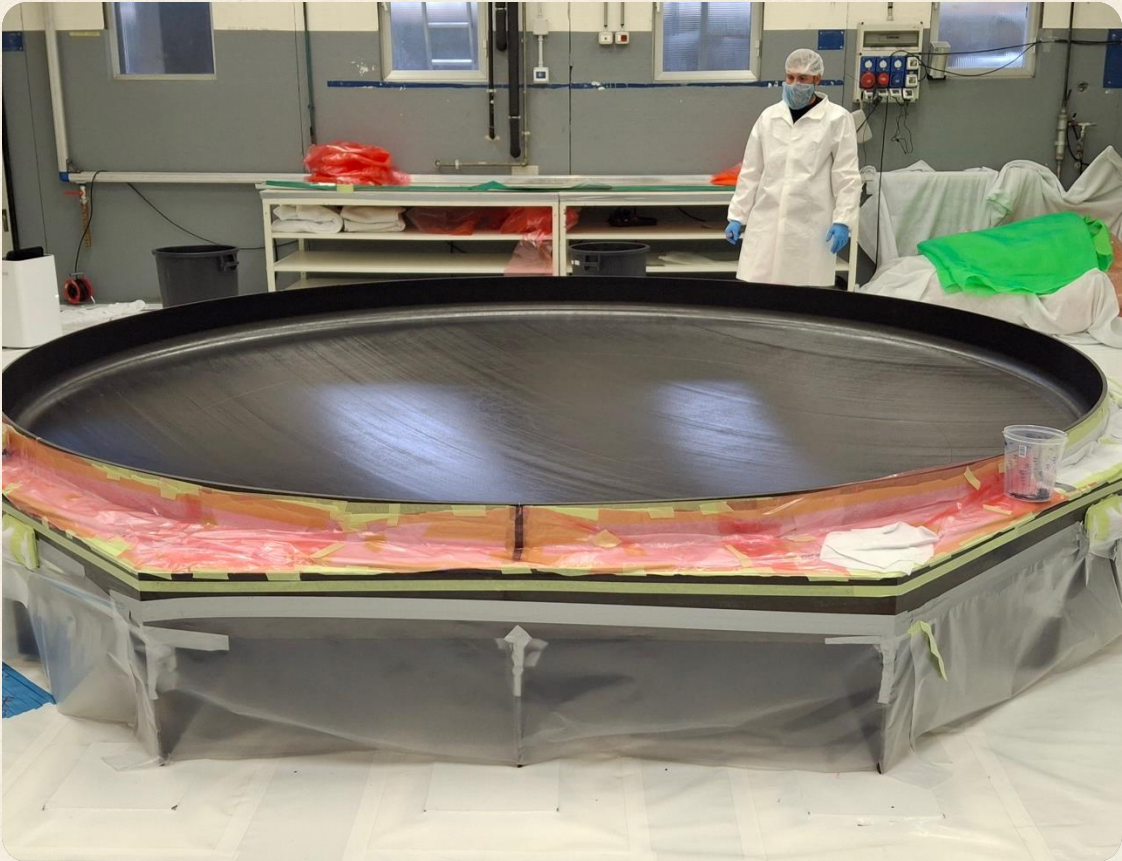
Nyx.

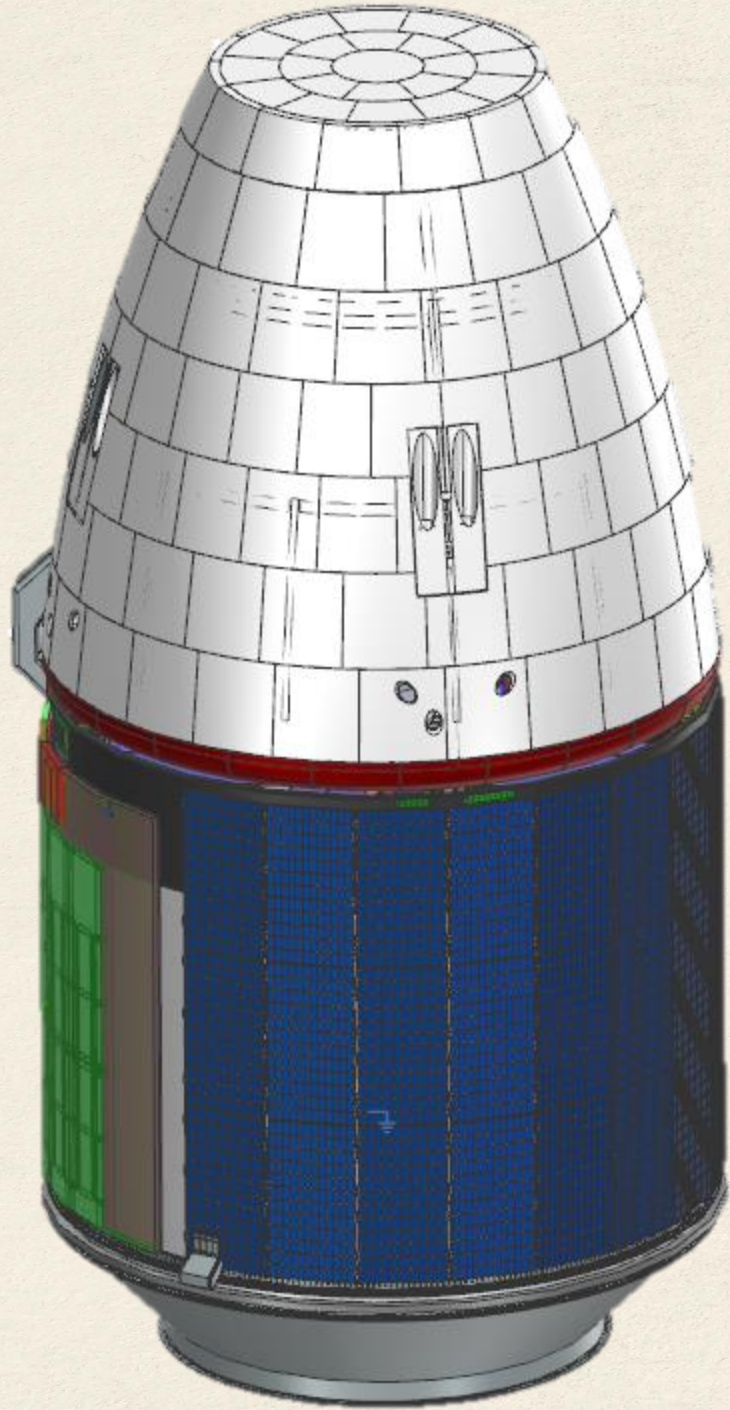
On-schedule and on-cost for its first flight in *Summer 2028*.



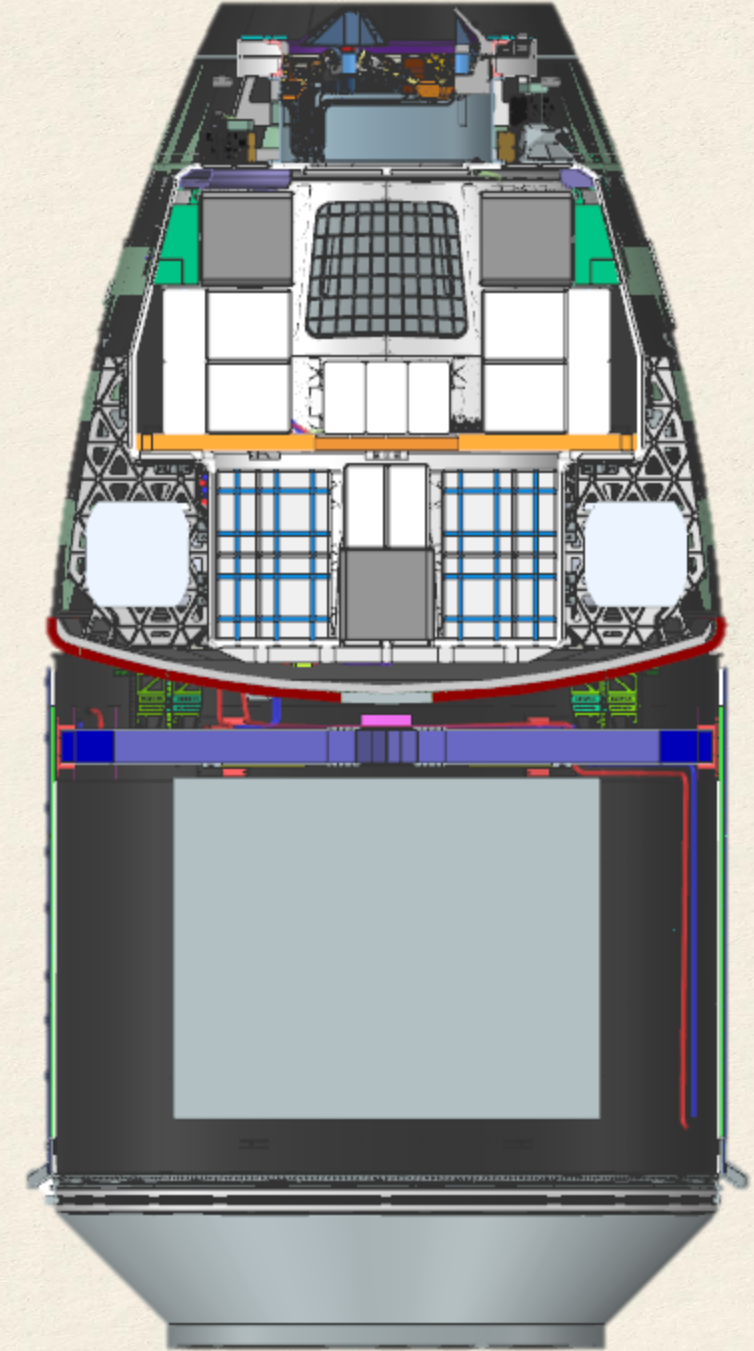
*PDR Action Item
Close-Out Ongoing

Execution.



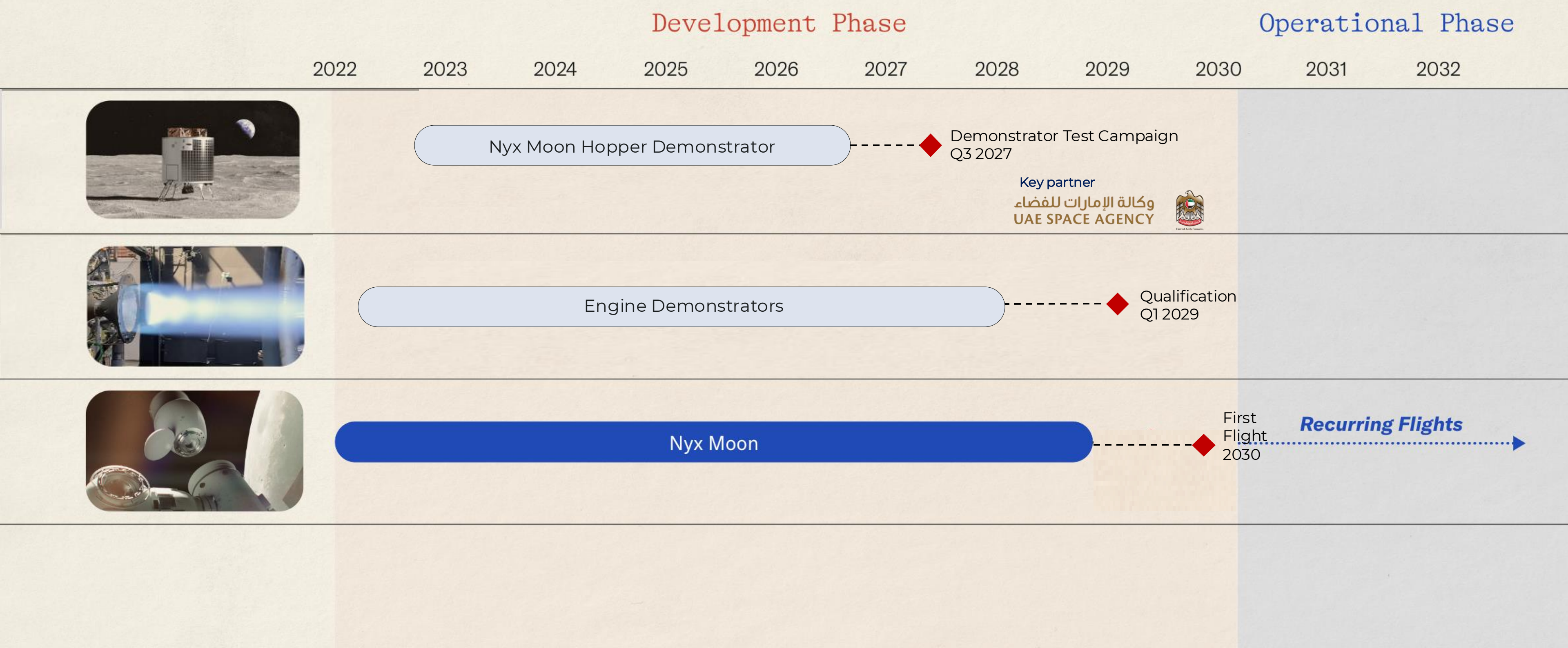


Nyx





Roadmap – Nyx Moon.



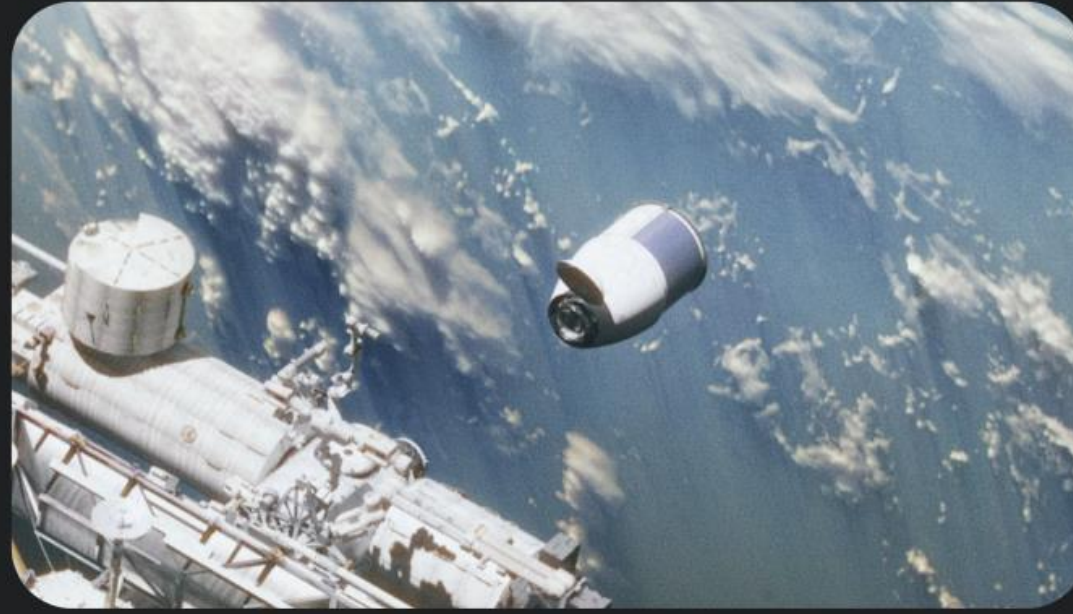


Product.

We build our core technologies *in-house*.



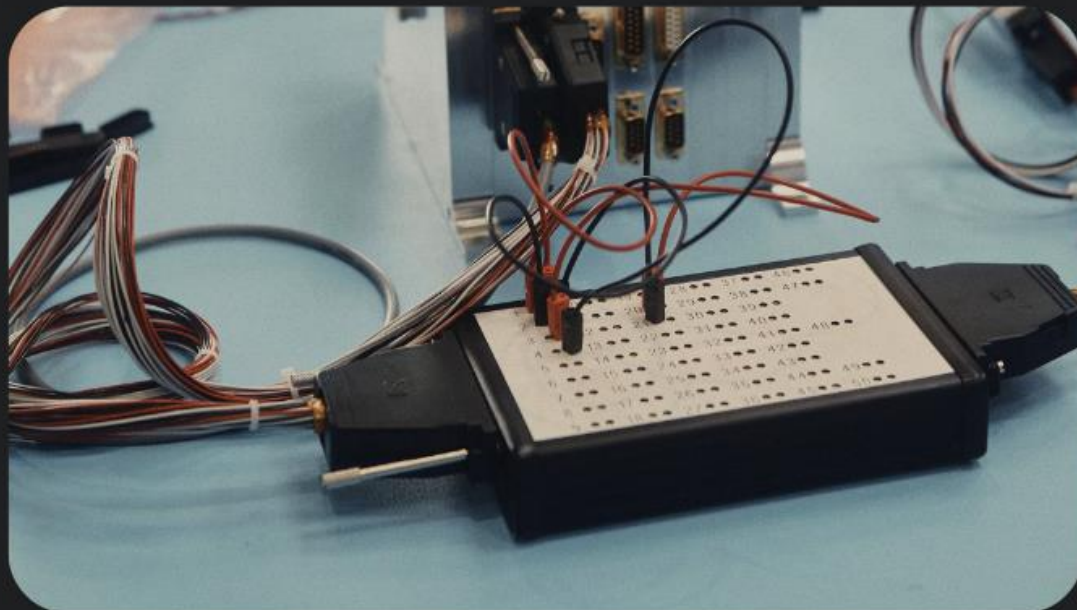
Thermal Protection



Docking Mechanism & GNC

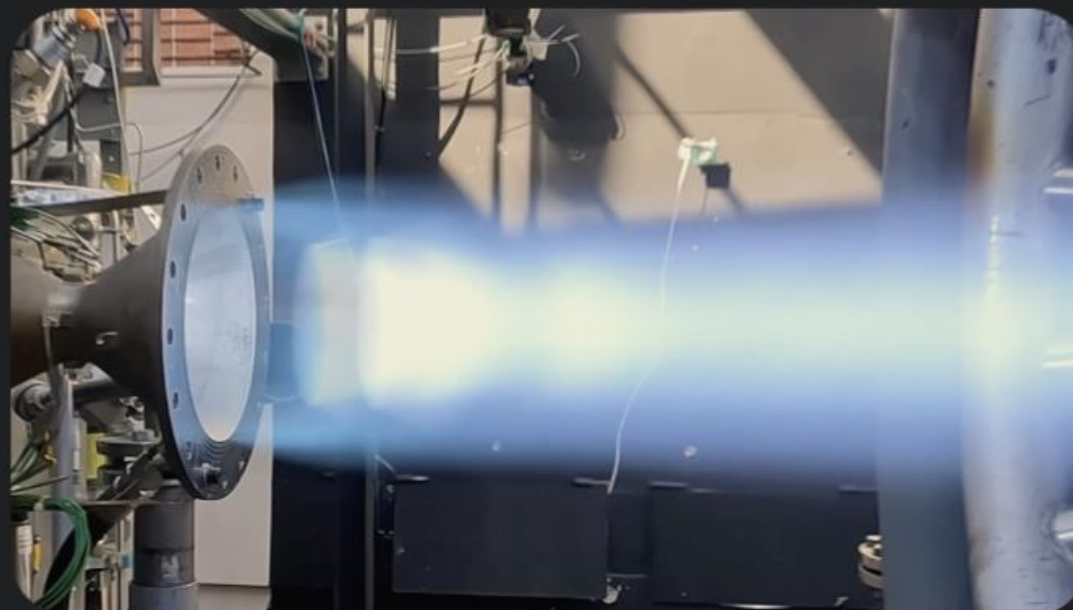


Flight Software & GNC



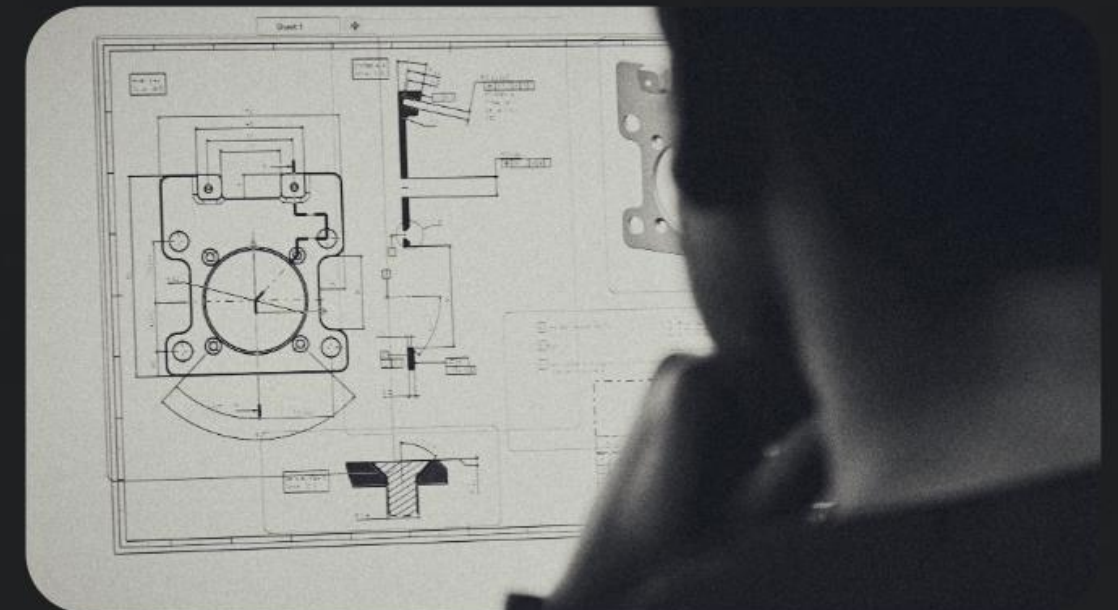
Modular & COTS-Based Avionics

OBC, PDE, PCPU, TCU, PIU



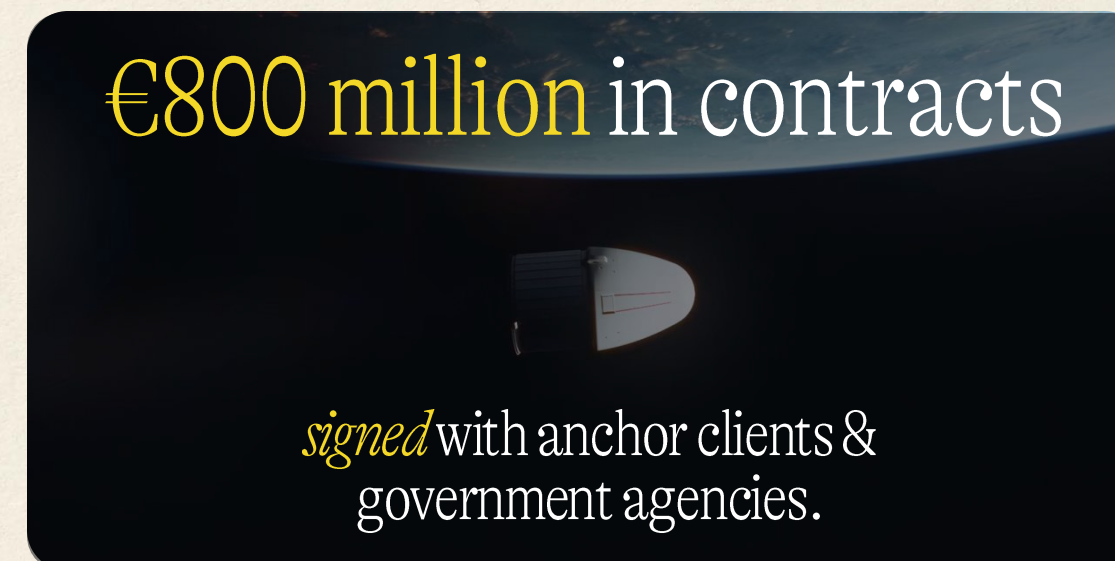
Propulsion Systems

Mistral (for the capsule); Huracán (for lunar destinations); Typhoon (for launchers)



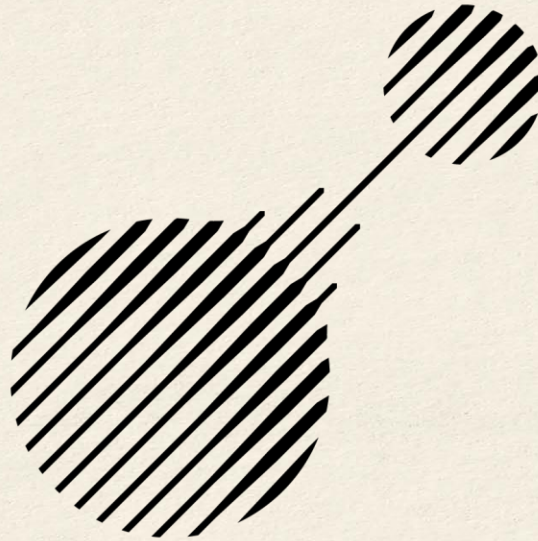
End-to-End Digital Platform

With APIs managing the vehicle digital twin, and automatically updating tech documents





It's a great time to *join* our
mission.



Contact:
Victor Maier
Lead Germany & Central Europe Business
victor@exploration.space