

COMPANY PRESENTATION

Space vehicles for humanity.





Founded in *Q3-2021*,
fastest-growing European
space company.



>*\$100 million revenue* expected
2026, growing 4x y-o-y



Capsule business *secured and profitable*, driving *future growth*.



Reusable vehicles.
Closing transportation
gaps worldwide.



Core technologies built *in-house*.



\$350 million raised from
tier-1 VCs.



\$1 billion contracts won, with
ESA as anchor client.



500 team members combining
a unique mix of *space veterans*
and *young, eager professionals*.

TEAM

Space and aerospace *talent* want to go where we're headed.

In 4 years, we attracted leadership and engineers from top space programs, building a team of 450+ with experience from major missions, vehicles and across the full space transportation value chain.

AIRBUS

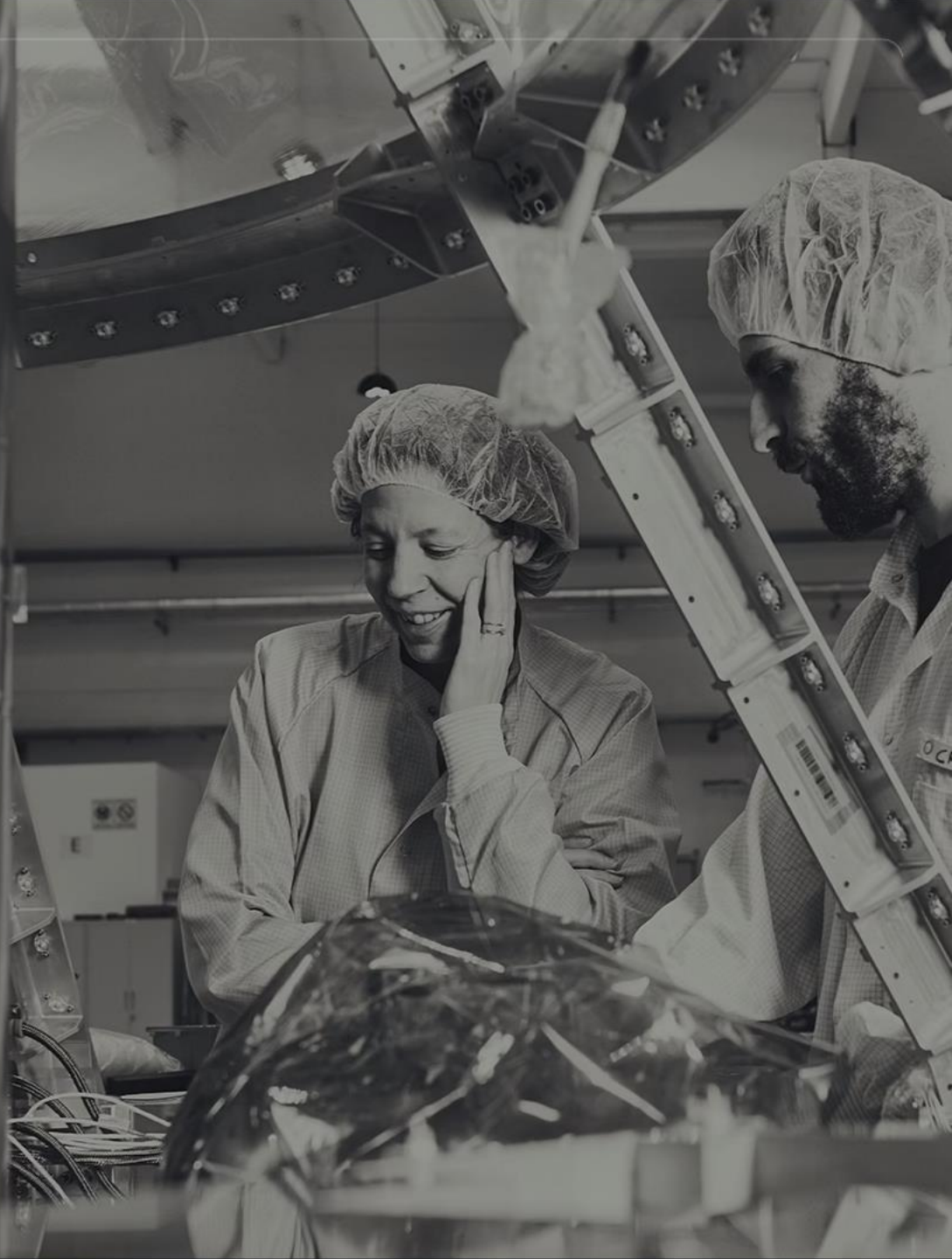
THALES



SPACEX



BLUE ORIGIN



From our *European roots*, we grow in the fastest-growing accessible space markets.



Europe — 450 people

Germany, France, Italy,
Luxemburg, Spain

→ ESA anchor client



USA — 20 people

Houston, Los Angeles

→ NASA Space Act Agreement



UAE — 5 people

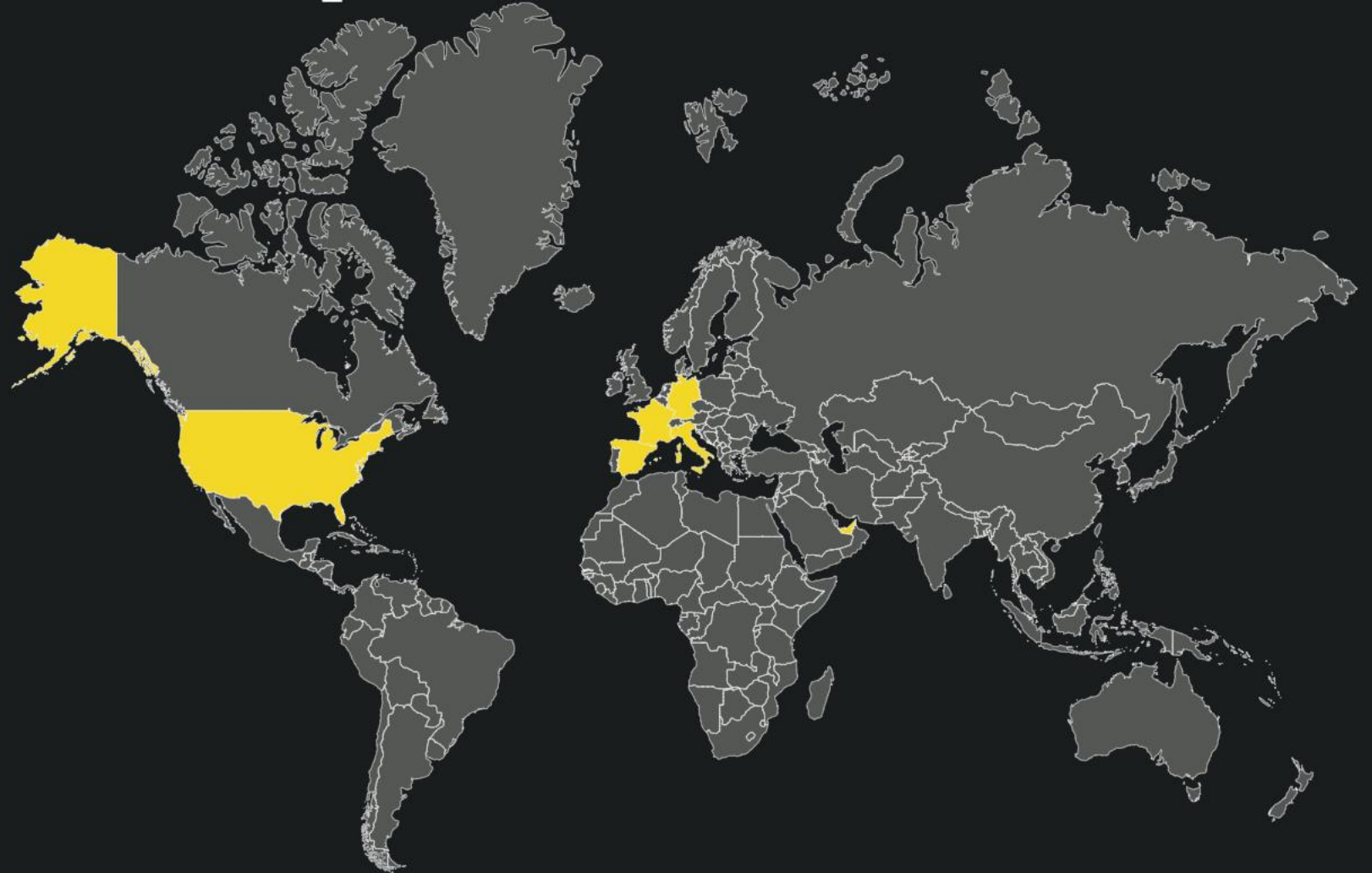
Dubai

→ Partnership with MBRSC,
UAE Space Agency and
Khalifa University

Partner:



Rocket engine technology



Everyone *needs* space.



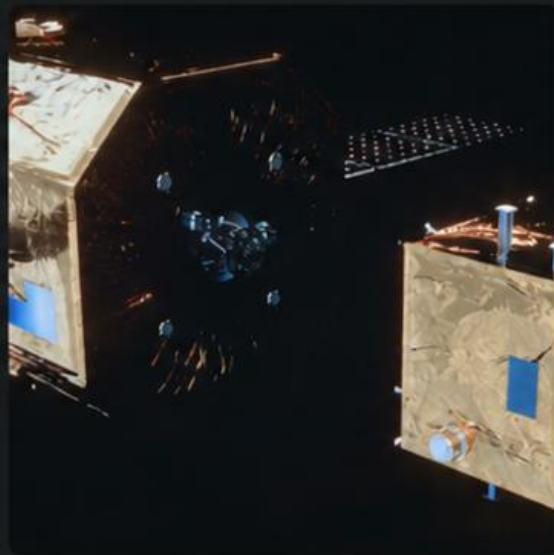
① Communication

7 billion people online and rising. Space telco is now cheaper to upgrade than ground infrastructure. 1TBs space to device will be achieved in the next 3 years.



② Intelligence & AI

Space optimizes life on Earth, from use of water and fertilizers in farming to the navigate behind logistics. With orbital AI data centers on the horizon.



③ In orbit servicing

Satellites should not be discarded when fuel runs low. In-orbit servicing enables refueling, repair, relocation, and debris mitigation, extending mission life and reducing costs.



④ Exploration

Nations are racing to LEO, the Moon, and Mars in an effort to demonstrate capability and inspire their citizens.

PRODUCTS

Nyx is our capsule that docks to the ISS in 2028.

Nyx solves a **transportation gap** for both Europe and the US.

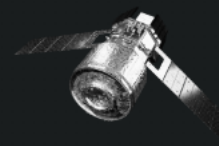
Europe does not have a **space capsule** and pays \$500 million a year to fly its astronauts.

Dragon capsule from SpaceX will retire. No affordable replacement exists.

Nyx fills **this gap**. It is NASA-certified and compatible with European and American launchers.



Nyx is the most *competitive*, has the largest *down-mass* capacity worldwide, and is *launcher agnostic*.



Vehicle	Nyx	Dragon 2	Cygnus	Dream Chaser	Progress	HTV-X
Company	TEC	SpaceX	Northrop Grumman	Sierra Space	RKK Energia	JAXA/Mitsubishi
Geography	EU	US	US	US	Russia	Japan
Price/kg	67,500 USD	75,000 USD	80,000 USD	95,000 USD	Unknown	>100,000 USD
Pressurized up-mass (kg)	3,000	2,507	3,500	5,000	2,350	4,070
Pressurized down-mass (kg)	3,000	2,507	0	1,750	0	0
Crewed mission	Growth potential	Yes	No	Growth potential	No	No
Reusability	Yes	Yes	No	Yes	No	No
Launcher agnostic	Yes	No	Yes	No	No	No

Nyx is built upon learnings from *two demonstrators* already flown in space.



LAUNCHED 2024: MISSION BIKINI

Built & qualified in 9 months for \$3M.

- ✓ Thermal protection bonding mastered.
- ✓ Re-entry license mastered.
- ✓ Minimal viable team and processes built.



LAUNCHED 2025: MISSION POSSIBLE

Built & qualified in 3 years for \$35M.

- ✓ TEC avionic, flight software and GNC suite validated.
- ✓ Payload client accommodation validated.
- ✓ Successfully re-entered in the atmosphere with Zuram.

Ten capsule missions have been *booked* by clients in Europe and in the USA.



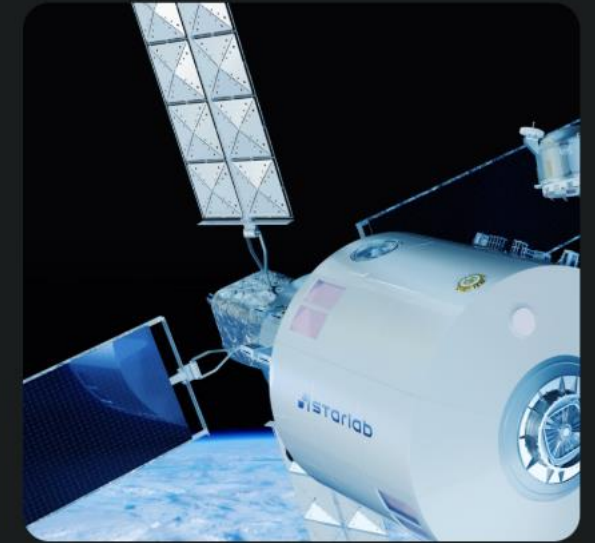
Anchor client
3 missions awarded



3 missions signed
(booking contracts)



1 mission signed
(booking contract)



3 missions signed
(booking contract)

PRODUCTS



Nyx is built with *crewed*
missions in mind.



Storm is the only European rocket engine that can power a globally competitive launcher.

① Storm is unique in Europe.

Up to 180 tons thrust vs. 100 tons for the most powerful European rocket engine.

Reusable. Designed to be cost competitive through rapid reuse.

Built across countries in Europe and in collaboration with Ukraine.

② Storm is getting traction.

TEC is the front-runner in Europe with the most complex sub-systems already tested.

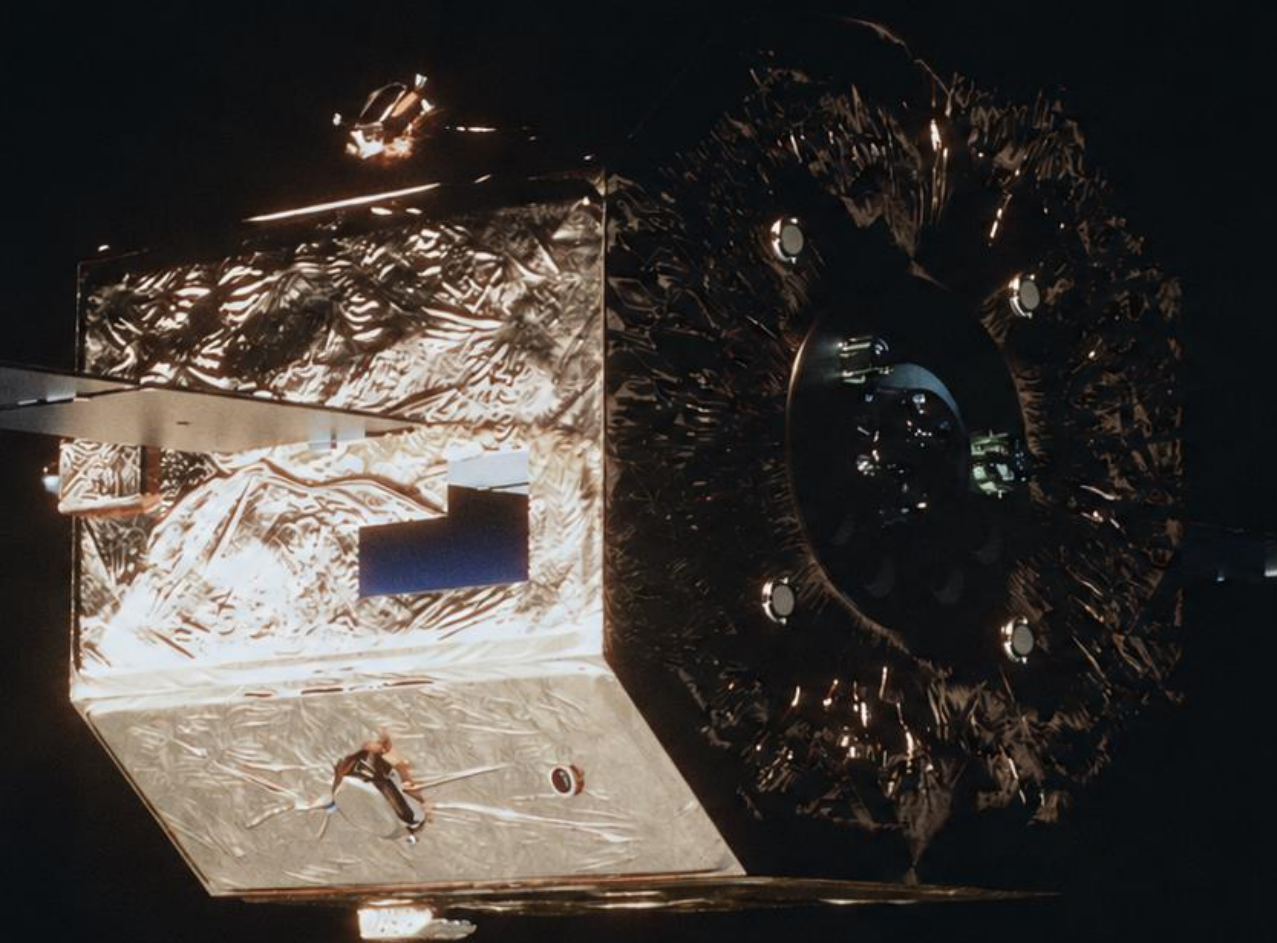
1st engine demonstrator test planned for 2028.

+\$25 million development contracts won, and more to come: Storm has become top priority for Germany & the EU.

Storm is *second biggest* full-flow staged combustion engine worldwide, following SpaceX Raptor.



Engine family	Storm	Raptor	BE-4	Archimedes	Aeon R	Zenith	Prometheus
Company	TEC	SpaceX	Blue Origin	Rocket Lab	Relativity Space	Stoke Space	ArianeGroup
Country/Region	EU	US	US	US	US	US	UE
Engine type	Full-flow staged combustion	Full-flow staged combustion	Oxygen-rich staged combustion	Oxygen-rich staged combustion	Gas generator	Full-flow staged combustion	Gas generator
Fuel type	Methane/LOX	Methane/LOX	Methane/LOX	Methane/LOX	Methane/LOX	Methane/LOX	Methane/LOX
Launcher	Yrene	Starship	New Glenn, Vulcan Centaur	Neutron	Terran R	Nova	Maia, Ariane 7
Thrust	1,800kN	~2,260-2,750 kN	~2,400 kN	~1,000 kN	~1,300 kN	~450-500 kN	~1,000 kN
Status	Engine tested on ground in 2028	Operational	Operational	Engine tested on ground	Engine tested on ground	Engine tested on ground	Engine tested on ground



Aura — in-orbit servicing capability, built on the *Nyx* platform.

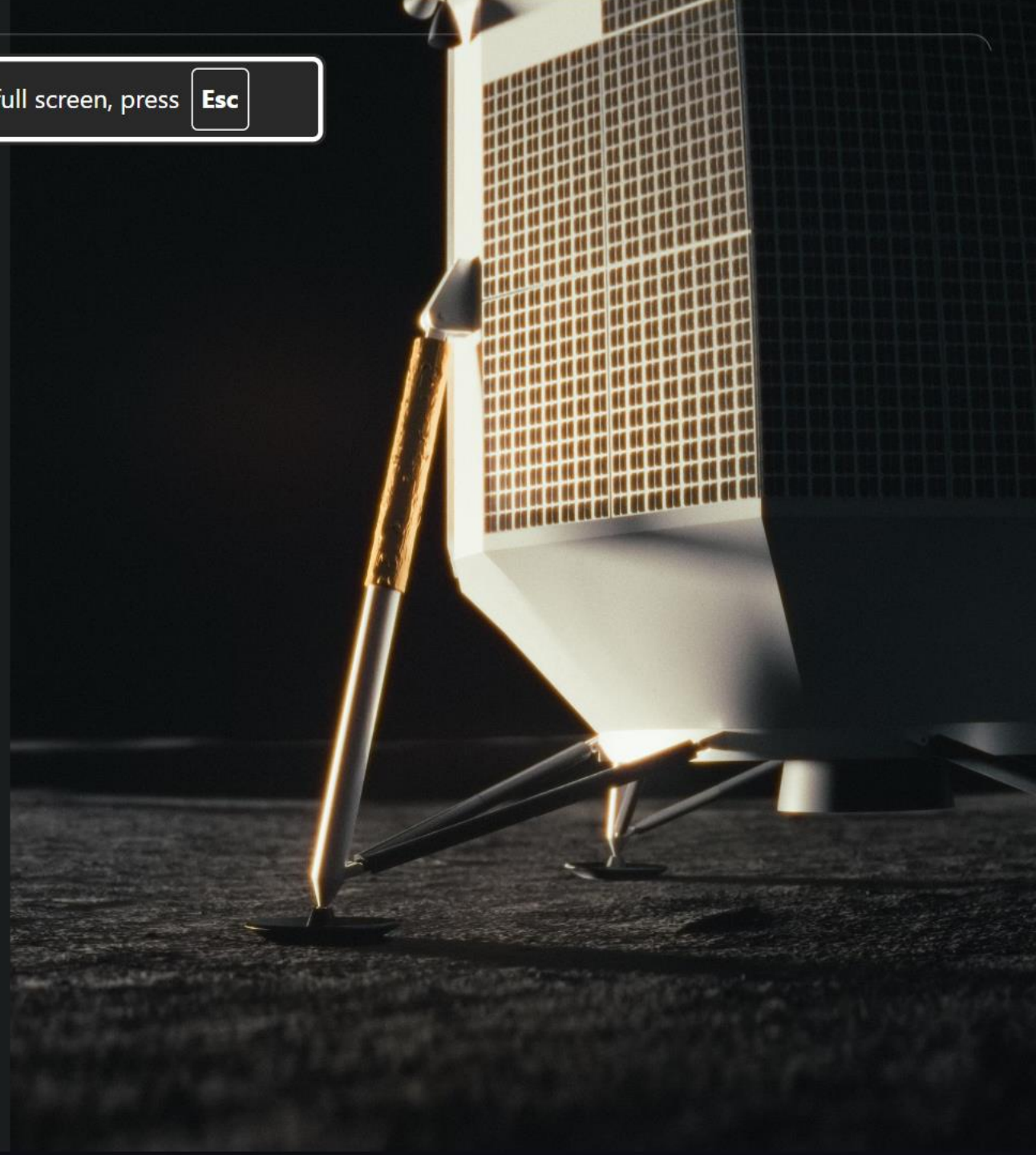
From mission extension to **orbital logistics**.

- ① From 2030 onwards, Aura provides in-orbit servicing: inspection, relocation, refueling and repair.
- ② \$40M contracts signed, including the European Commission's ISOS project and other in-orbit servicing programs.
- ③ Unmatched precision and reliability thanks to Nyx's human-spaceflight-grade technology stack.

Hilal—from orbit to the *Moon*.

Larger lunar lander worldwide, built in partnership with the UAE.

- ① Bringing UAE and Europe to the Moon; a capability NASA wants.
- ② \$30M in ESA contracts signed. Partnerships in discussion with UAE Space Agency, MBRSC, and National Space Fund.
- ③ Oneiros demonstrator testing in 2027 in the UAE, in partnership with MBRSC and Khalifa University.



Our *critical technologies* are developed *in-house*.



✓ Thermal Protection



✓ Docking Mechanism



✓ Flight Software & GNC



✓ Modular & COTS-Based Avionics



✓ Propulsion Systems



✓ End-to-End Digital Platform

We use computational engineering to *accelerate* our development cycles.

With a focus on propulsion, we replace fragmented toolchains with a template-driven system and knowledge-based generative design.

- ① Amplify and automate our design process to generate manufacturable CAD designs.
- ② Run complex simulations & train models 150,000,000x faster than typical simulations.
- ③ Improve existing designs at light speed: 100k designs produced in 5 hours.

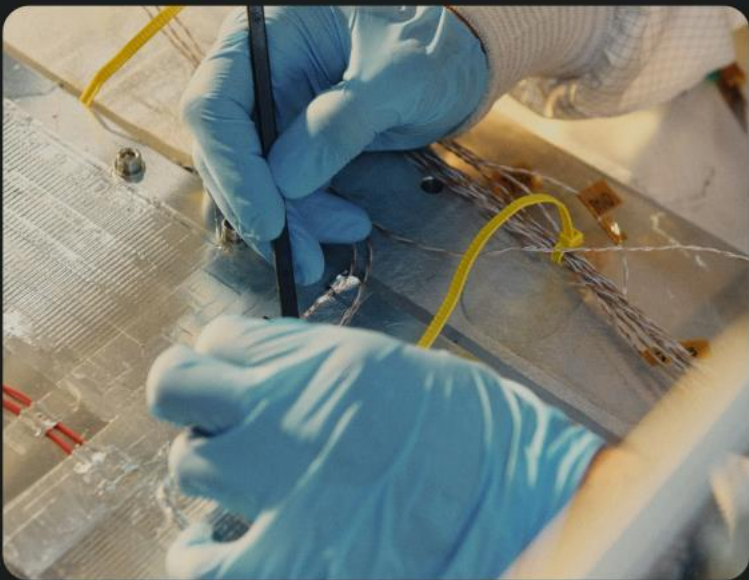
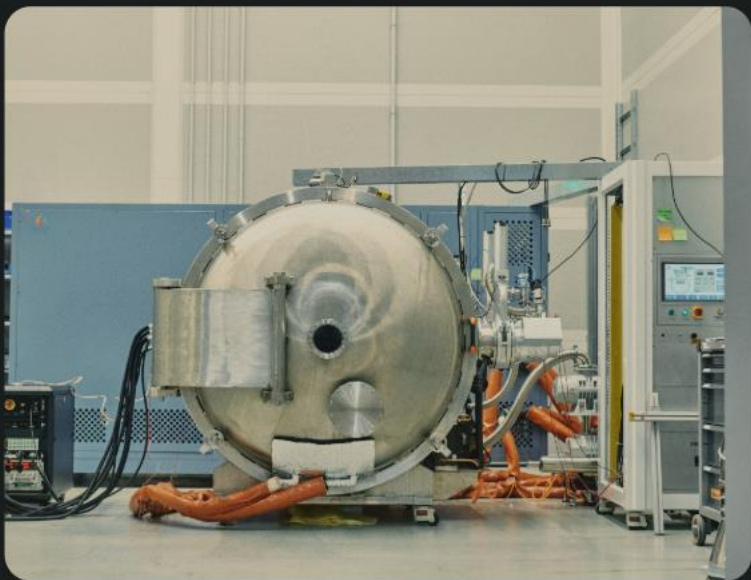
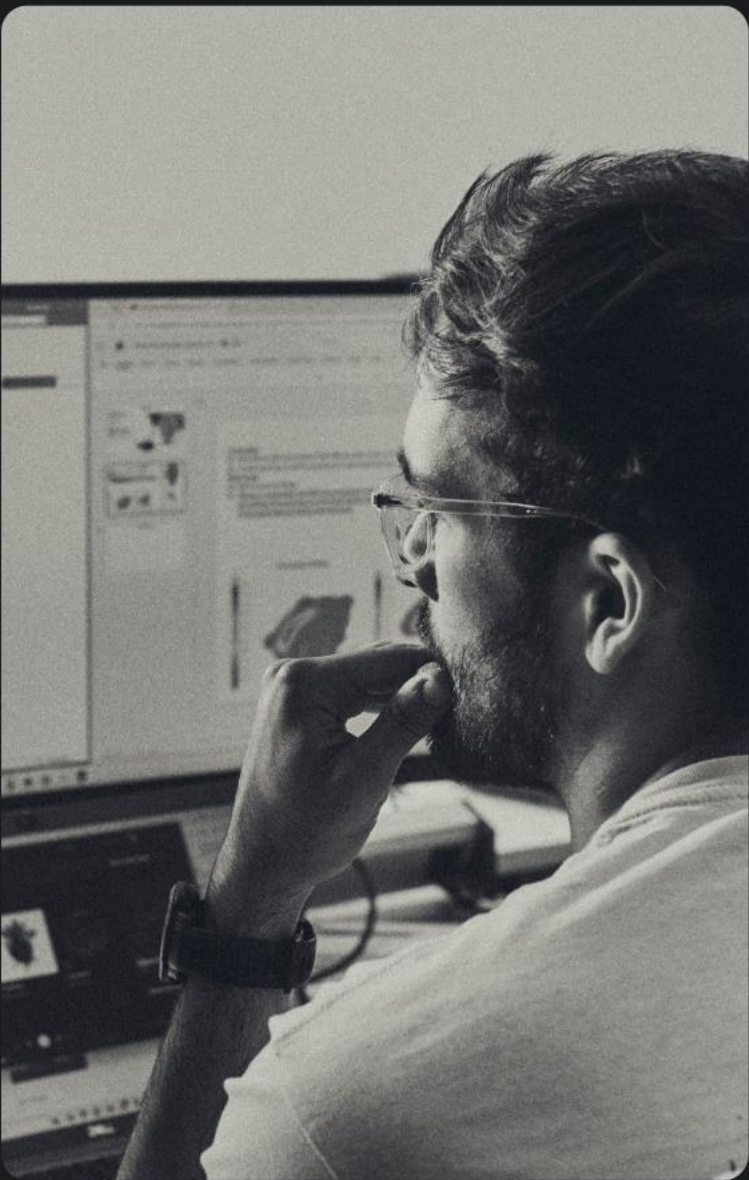
First applications:

- ✓ Storm: Combustion chamber and ox-rich pre-burner
- ✓ Huracan engine: Main combustion chamber
- ✓ Nyx: Orbital and attitude control thrusters

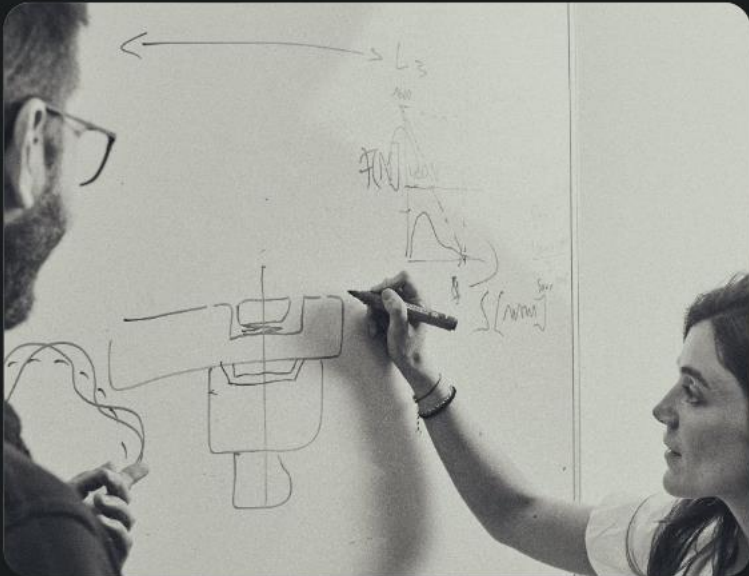












VISION

Space vehicles
for humanity.

