



TEC - PUBLIC

The Exploration Company

We democratize space exploration.

Stefan Zeller – Account Manager – 19. January 2024

TEC - PUBLIC



Since July 2021

\$65M \$165M +110

Raised

From tier-1 venture capital.

Contracts Won

~ \$15 million from space agencies and public funds + Axiom Space contract.

Employees

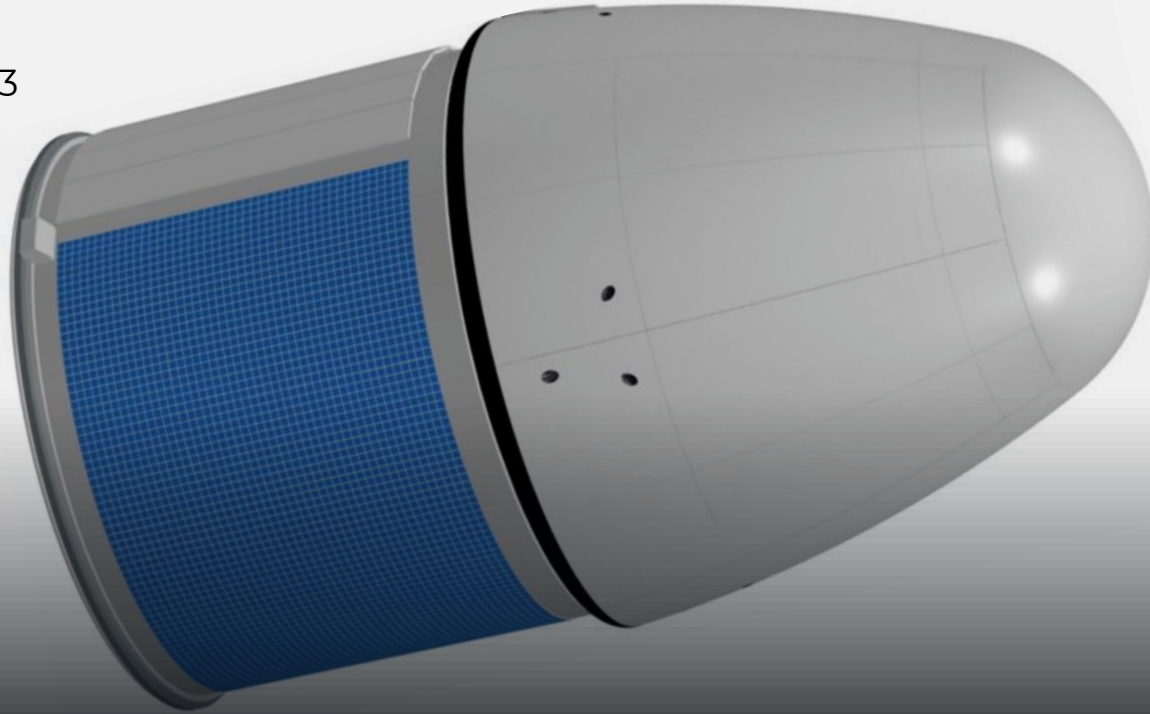
Located in Germany, France and Italy.

In 2.5 years, we have become one of the fastest growing European space tech startup.



Nyx Earth

SRR passed in
December 2023



Available

Launcher agnostic

Affordable

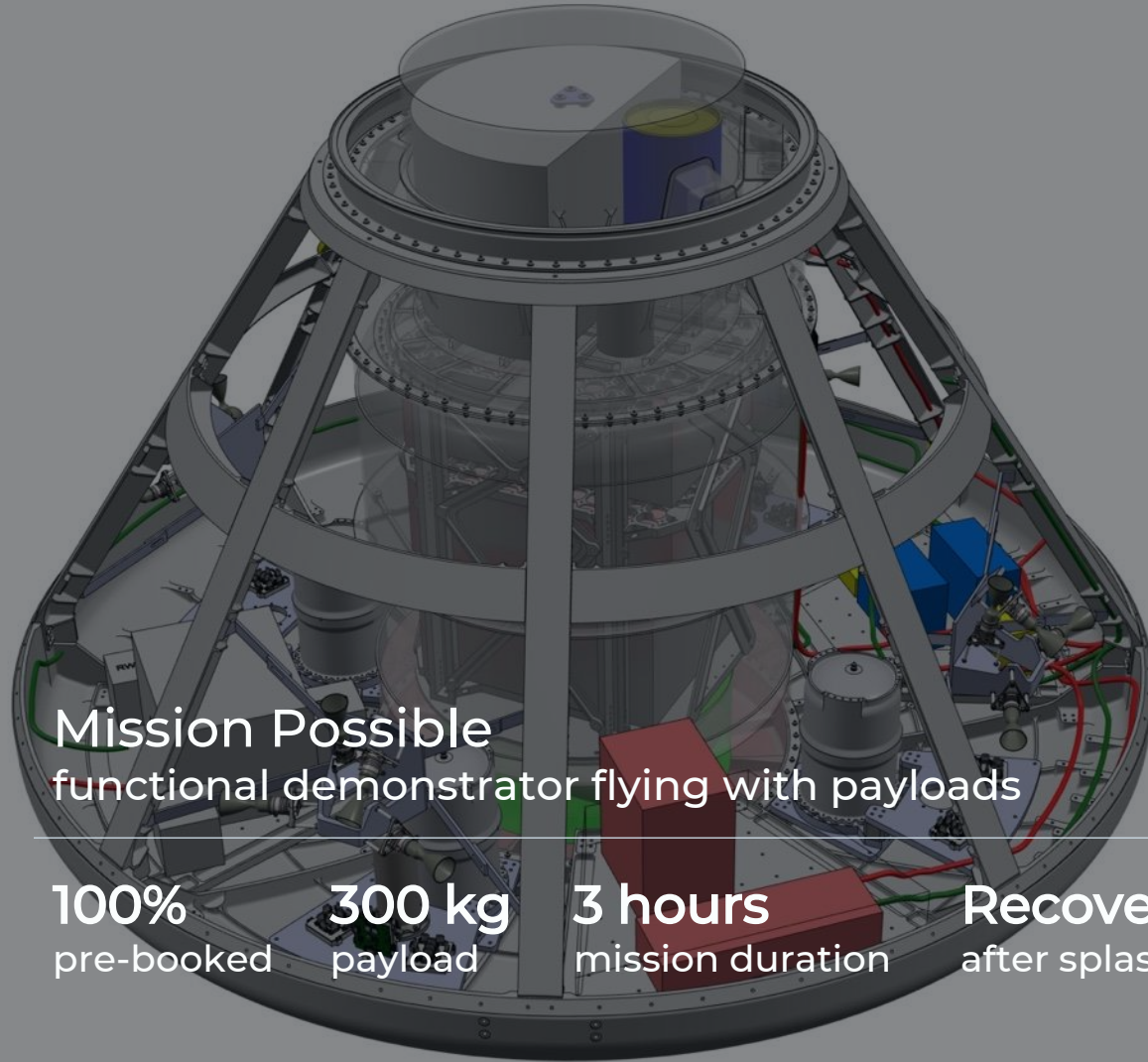
Starting at 20KEuro
per Kg

Sustainable

Reusable & green
propulsion

Open

open interfaces &
recovery of assets



Mission Possible
functional demonstrator flying with payloads

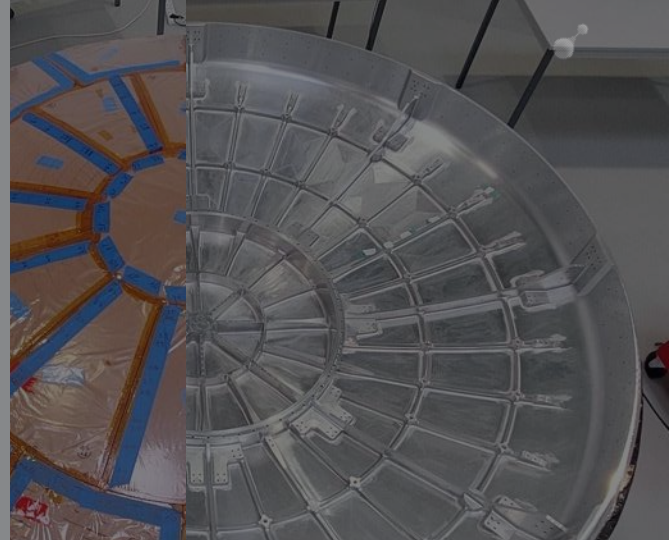
100%
pre-booked

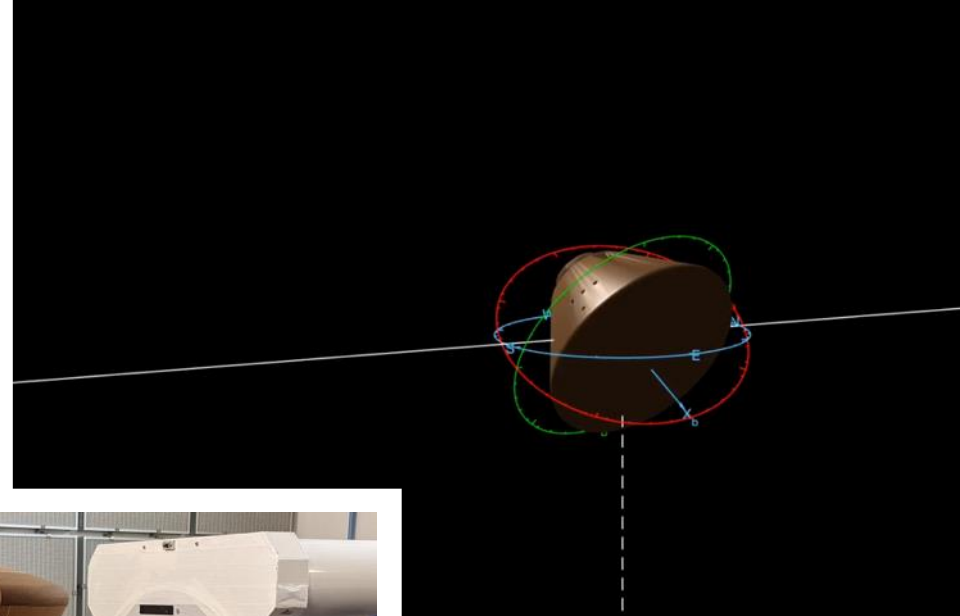
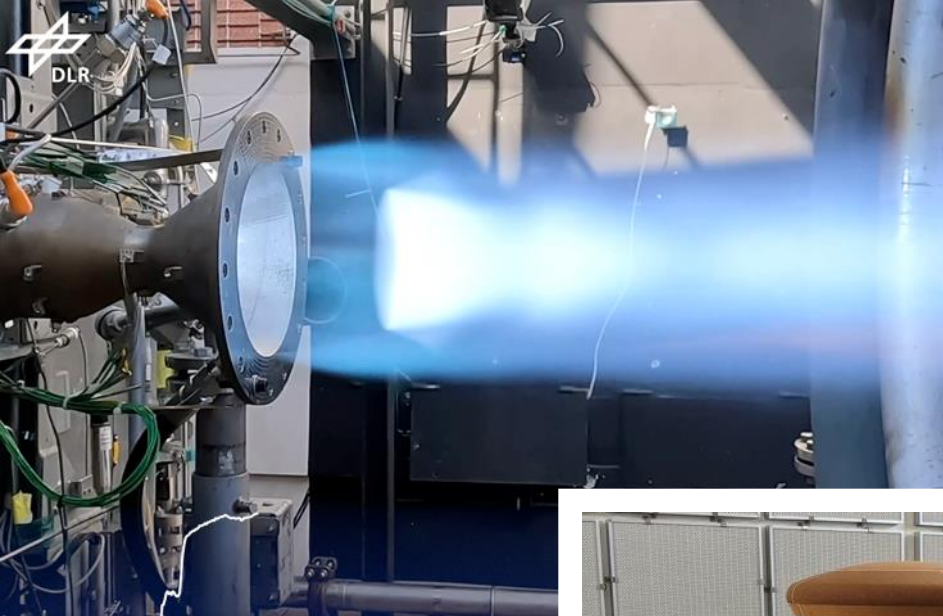
300 kg
payload

3 hours
mission duration

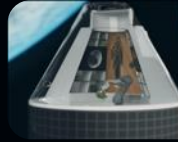
Recovery
after splashdown

2024 launch
on Falcon 9

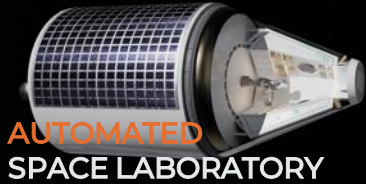




From **20 k€/kg/2U unpressurized**
From 25 k€/kg/2U pressurized



Pressurized: 2.6 tons – 3 m³
Unpressurized: 1.4 tons – 6 m³



Easy
&
late
access



GNC

IMU

GNSS
RECEI
VERS

STAR
TRAC
KER



Separation System:
no loose item

MAIDEN FLIGHT 2026



Average
Power
750 W



Power
interface
28V DC



**RETURN &
RECOVERY**

Payload health status & commands
through capsule **low data-rate link**



On-Board Data Interface
ETHERNET



High data rate downlink: up to
300 Mbit/s during 2 slots per day



REUSABLE

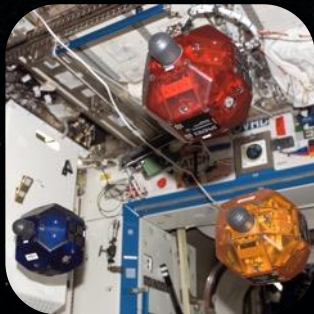
**Microgravity
environment**
similar to ISS



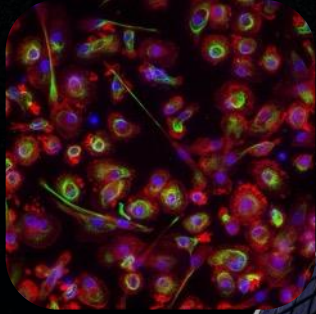
FUTURE
docking to
space
stations



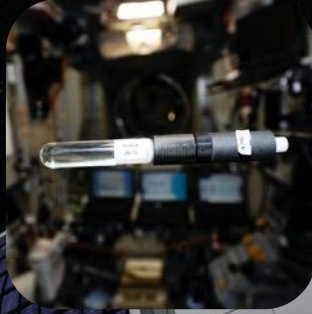
SPACE DEMO USE CASES



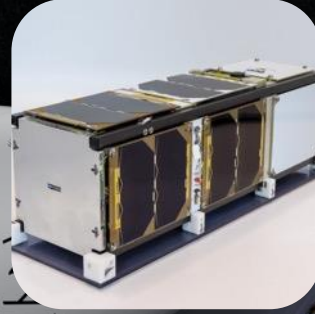
Small Satellites
and Control
Technologies



Characterizing
Experiment
Hardware



Radiation
Measurements
and Shielding



Spacecraft and
Orbital
Environments



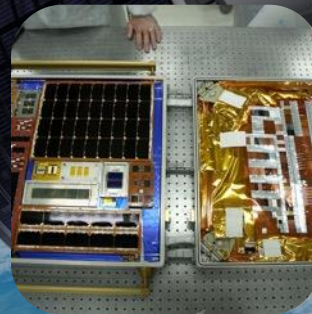
Communication
and Navigation



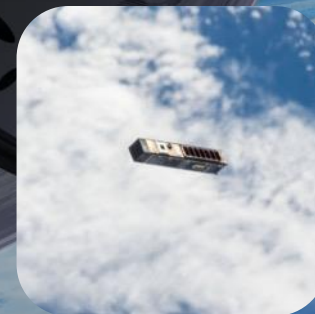
Air, Water
and Surface
Monitoring



Life Support
Systems and
Habitation



Spacecraft
Materials

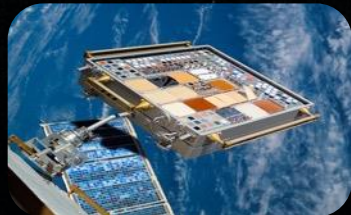


Avionics and
Software



Robotics

SPACE LAB USE CASES



MATERIALS SCIENCE



CELLULAR BIOLOGY



**MACROMOLECULAR
CRYSTAL GROWTH**



ANIMAL BIOLOGY



FLUID PHYSICS



MICROBIOLOGY



**BONE AND MUSCLE
PHYSIOLOGY**



**COMBUSTION
SCIENCE**



**HUMAN BEHAVIOR AND
PERFORMANCE**



PLANT BIOLOGY

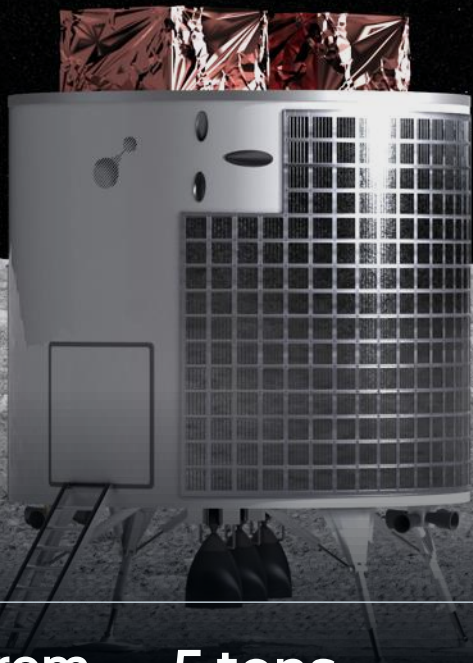


**NERVOUS AND
VESTIBULAR
SYSTEMS**



**CARDIOVASCULAR AND
RESPIRATORY SYSTEMS**

Nyx Moon Lander and hopper

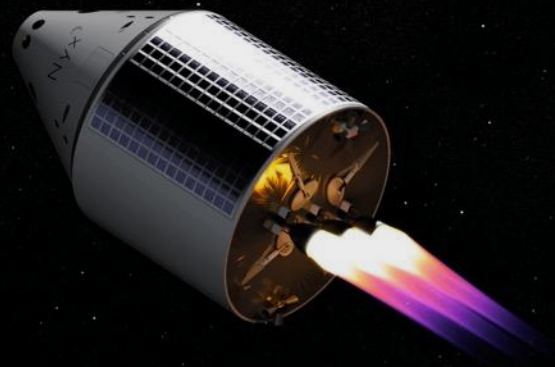


**From
200k€**
per kg to
surface

5 tons
payload hopping

2 tons
payload lunar surface

Nyx Moon Gateway



5.5 tons
payload lunar gateway

2028
launch

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