GENESIS OF SPACE TOURISM EXPERIENCES BEYOND.

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A zero-emissions odyssey







Technically feasible

omfortable 🕒

Experiential 💮





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Company Overview

Introducing EOS-X Space:

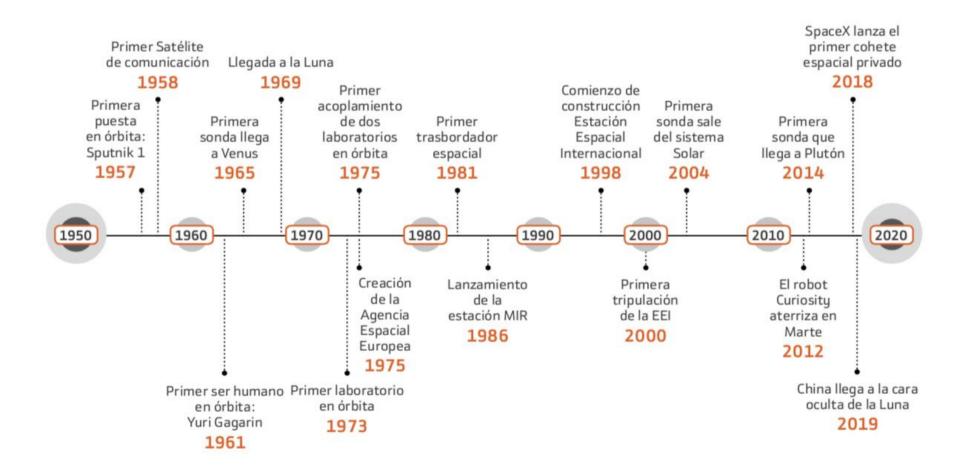
1. The decade of space tourism

- 2. The EOS-X Space experience
- 3. Opportunity
- 4. Current situation

5. The plan



General Vision of Space Exploration History





But "near space tourism" will enable scaling up the market

	<u> </u>		
	Orbital	Suborbital	Near space
Height	~400km	60-90km	25-40km
Technology	Rocket	Rocket + plane	Stratospheric balloons
System complexity	Highest	High	Low
Development time	(since 2002)	+10-15 years	3-4 years
Price/ ticket	+50M USD (2019)	+250k USD	+100k USD
Flights	<5/ year	1-4/ month	4-8 week
Passengers	5/ year	50 – 300/ year	1,000 – 2,000/ year
Players	International Space Station (Bigelow Space)	Virgin Galactic, Blue Origin	EOS-X Space , Space Perspective
Experience	Professional, requires astronaut training	Strong accelerations & high-adrenaline	Comfortable, no G-force & wider passenger pool



This will be the decade of space tourism

Space tourism can be distinguished between **orbital** tourism, **suborbital**/ **parabolic** space tourism and **near space** tourism



- Most exclusive and expensive
- Altitudes above 100km
- Requiring greatest preflight **health requirements** and training
- Experiences include flying to and staying at the International Space Station
- Tickets for such experience cost more than \$50M each

Suborbital parabolic

- Altitudes of 60-80km on flights lasting generally for 30-90 minutes
- Less than 10 passengers travel in a pressurized rocket vehicle
- At cruise altitude, the vehicle performs a gliding flight path that lasts 5-15 minutes at the cruise altitude and then begins the descent
- Tickets cost in the range of \$450k

Near space

- Near space flights climb up to altitudes in the range of 30 – 40km
- **Duration** is significantly longer than suborbital flights, around **4-5 hours**
- Near space flights involves using stratospheric balloons that carry a pressurized passenger capsule with 5-8 passengers
- Tickets are expected to retail for \$100k \$200k



The Rationale

Up to now, the space tourism market has been limited to a handful of million-dollar flights to the ISS (International Space Station). This will radically change this decade.

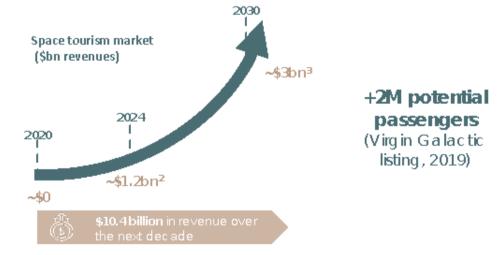
From...



2021 - 2030: The decade of space tourism

...to

- With new players such as EOS-X Space, Virgin Galactic or Blue Origin, over 15,000 people will be able to travel to space during this decade
- Ticket prices will be much more accessible, in the range of \$100,000 to \$300,000

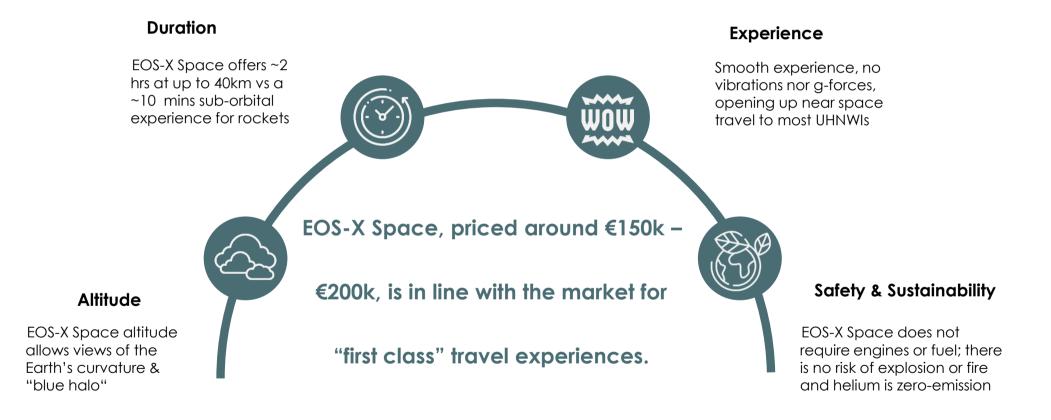


- As of November 2020, only 16 tourists have visited the International Space Station, the only available space tourism option
- Each flight costs + \$50 million per passenger¹

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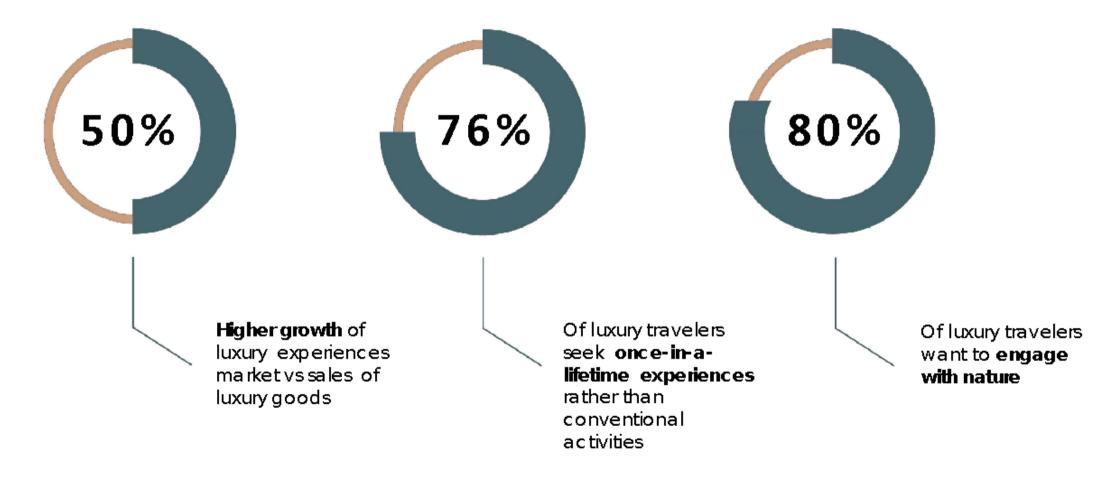
EOS-X Space's differential proposition

EOS-X Space's experience is essentially different from rocket experiences, building a differentiated positioning and competitive advantage over them



The Rationale

In today's luxury market, customers increasingly look for experiences rather than material goods.



Therefore, there is a growing segment of luxury consumers that would be potentially interested in living an experience as unique as a near space trip.



The Rationale

Pricing and demand levels for a lready existing high-end travel experiences indicate that near space tourism could be commercially feasible.



- Private jet trip: fully customized trips around the world in a private plane
- Price tag: € 250k (NY to South Africa)
- Sales: ~500/year



- Silversea World Cruise: around the world trip in a luxury cruise ship
- Price tag: € 55k-205k
- Sales: 500/year



- Climbing the Everest: guided ascent to the World's tallest mountain
- Price tag: € 90K
- Sales: 450/year



- National Geographic Expeditions: tailored wild nature exploration trips
- Price tag: € 90k
- Sales: 390/ year

The Rationale

Ultra High Net Worth Individuals (UHNWIs) +2M Potential Passengers in 2030



EOS-X Space: leading space tourism

EOS-X Space is conceived to lead space tourism development in the decade

- N° 1 in passengers (+1,500 passengers/ year) Operating all year from 4 bases in UE Spain, the UAE, EEUU, APAC
- Leading brand and n° 1 in customer experience a unique life-time flight and ground experience
- The Pioners of Sustainable Space Travel experience A zero emission company
- Nº 1 in safety #Safetyfirst partnering with certification agencies (EASA, INTA, UAE Space Commission, NASA, FAA)
- +2.400 million euros valuation after 3-4 years of operations (2025)



In figures: Potential for the UAE, Europe Seville and Latam

Global Positioning

1st global near space flights base

+100 flights /year from Abu Dhabi/UE Seville

+1000 UHNI individuals (Ultra

High Net Worth Individuals)/ year arriving to Country

+350k visitors per year to the EOS-X SpaceHub



Economy

+00s M USD yearly

impact on tourism ecosystem

+00s qualified

jobs required between the launch facilities & SpaceHub

+000s hospitality jobs

Construction of SpaceHub & launch facilities



Education

Qualified jobs for

space tourism flight & ground operations (locally sourced and trained)

Training facilities for passengers & crew

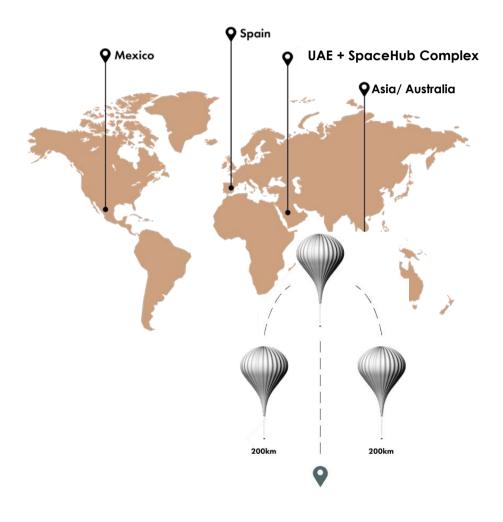
Space startup hub

in the UAE and UE SpaceHub, to foster innovation & creation



Benefits for the UAE - UE - LATAM

The first space touristic experience with first-class partners to be shown in UAE 2023



- EOS-X Space's models validate launch & landing areas (around ~200km radius from the launch base)
- Showcase a unique and innovative Project with strong presence and participation from UAE.
- Deep connection with Mobility, Sustainability and Opportunity
- This projects takes the outer space closer than ever before to the humankind
- "Live the experience" EOS-X will bring a unique experience to Expo visitors through the exhibition of the cabin and the VR experience replicating the space traveler experience.
- Base to promote the space related economy for entities such as UAE Space Agency.
- The project will be a magnet for **unique experiences and tourists to the UAE**, contributing to its growth as tourist destination

Company Overview

Introducing EOS-X Space:

- 1. The decade of space tourism
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Using tried and tested technologies (stratospheric balloons, parachutes, pressurized capsule) Passengers travel in a pressurized capsule with no strong accelerations

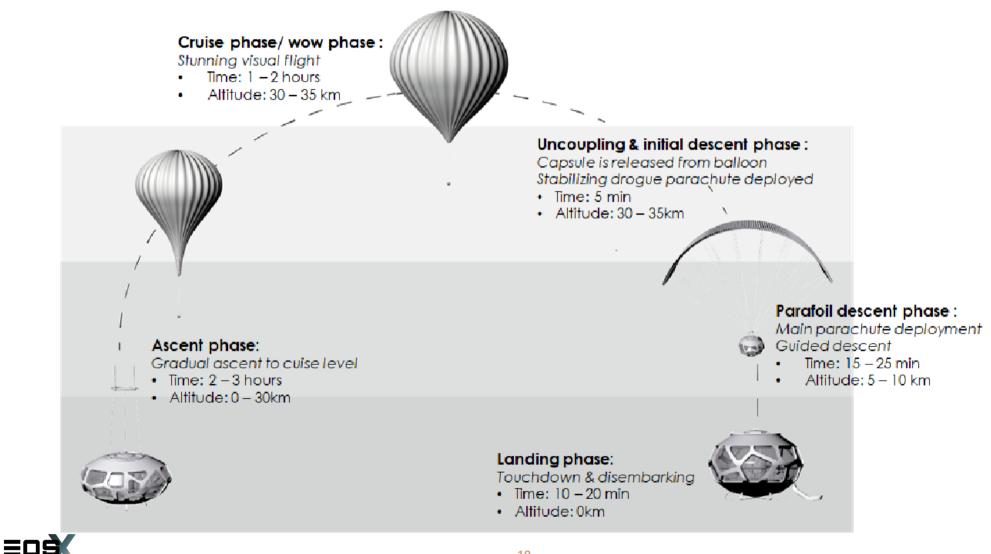
EOS-X Space is the most technically feasible, comfortable, safe and experiential near space tourism option

Using helium, which is non flammable and zero-emission 4-5 hours experience,allowing passengersto see the Earth'scurvature

18

An unforgettable 4-5 hour flight

The EOS-X Space flight lasts for 4-5 hours and takes 7 passengers and a crew member up to 40km, allowing them to see the Earth's curvature



Four times higher than airplanes

EOS-X Space rises up to 40km, above 99.5% of the Earth's atmosphere and high above commercial traffic



- At ~40km high one can see the blackness of space, the thin blue atmosphere and the curvature of the Earth
- Felix Baumgartner jumped from a height of **39.045km** after a 2.5hr ascent
- Virgin Galactic is pitching flights at +60km altitude but **only for a handful of minutes**



The EOS-X Space capsule

7 passengers and a pilot will travel in a pressurized and comfortable capsule for a unique experience





The EOS-X Space capsule

7 passengers and a pilot will travel in a pressurized and comfortable capsule for a unique experience

- **Pilot in Command** of the flight, to make the experience safe, experiential and engaging
- Large, panoramic windows to allow maximum visibility of the Earth's curvature
- **Ergonomic seats** allowing to adapt the passenger's position during each phase of the flight
- **TV screens** with **live outdoor footage** and flight information to complement window view
- Passengers can stand and walk around in the capsule during the last phase of climb and while at cruise altitude
- Onboard lavatory



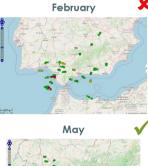
Global operations with the flagship base (SpaceHub) in Andalucía and UAE

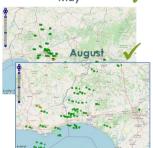
Operating year-round from locations selected based on predictability of weather conditions, topography **and touristic attractiveness**



- EOS-X Space's models validate launch & landing areas (around ~200km radius from the launch base)
- We have simulated flight paths for flights launched from
 Seville, Abu UAE, and Latam
- EOS-X flights in Seville viable 5- 6 months/year (April-October)





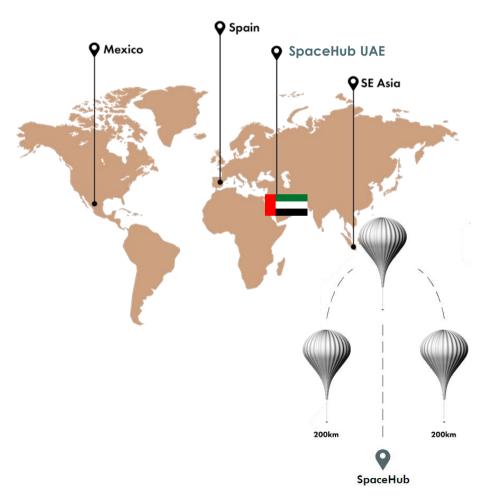




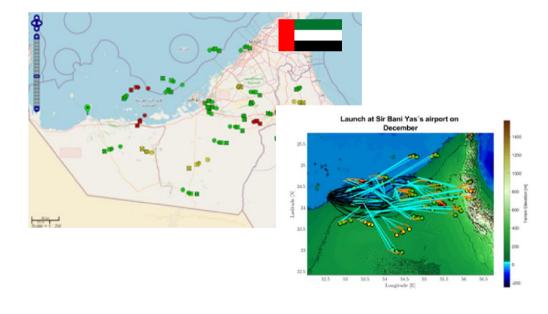


Several launch locations/ 1 SpaceHub

Launch locations will be selected based on predictability of weather conditions, topography and touristic attractiveness

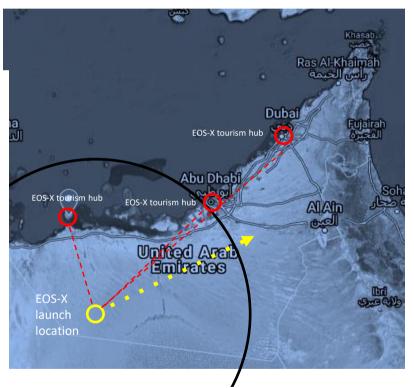


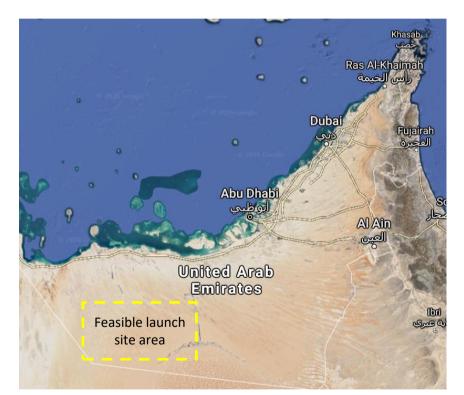
- EOS-X Space's models determine landing areas (around ~200km radius from the launch base)
- We have simulated flight paths for flights launched from UAE locations (e.g., Siri Bani Yas)
- EOS-X flights in UAE viable 6 months/year (October-March)



UAE as the EOS-X SpaceHub & base

UAE could be the EOS-X SpaceHub location, and passengers would be flown from the Control Center facilities in Abu Dhabi or Dubai to the launch base location South of Abu Dhabi





- EOS-X Space passengers could be hosted in the UAE as the "tourism hub" of EOS-X Space
- From there, and flown to the launch base location South of Abu Dhabi to avoid landing on water



A 5-hour flight. A full week experience

Among other, EOS-X Space passengers and companions will experience and ultrapersonalized maximum level of service tailored...



Personalized **luxury** travel arrangements

Space experiences, inmersive AR & educational sessions

Experiential & luxury accommodation space port complex In-destination **unique** "**escapes**" & experiences

Live streaming of EOS-X Space flights

Hospitality Longevity Program Growth.

Training & EOS-X Space simulators



SpaceHub UAE, UE SEVILLE, TULUM (AMERICA)

SpaceHub will be a unique immersive tourism and space experience for passengers, companions and visitors a like



Operations

- Ground control center
- Operations & flight planning
- Crew facilities
- EOS-X Space regional headquarters
- Main EOS-X Space hangar & engineering/ operations/ maintenance facilities

EOS-X SpaceHub



Space Experience

- Space experience center
- Educational & entertainment experiences
- EOS-X Space flight simulator
- Hub for space tech startups
- Inmersive Simulator Space
 Players



Hospitality

- Luxury passenger & companions lodging
- Passenger training
- EOS-X Space flights live streaming IMAX
- A level higher than atmospheric pressure, in a **hyperbaric chamber**.
- Acceleration program Antiaging nutrition and nutrition for longevity



SpaceHub UAE, EU Seville, Tulum (America)

SpaceHub will be home to many space attractions from EOS-X Space, but also Virgin Galactic, Space-X, Blue Origin, Mars expeditions... **and a Space Technologies hub**



Future of space tourism Mars & Moon Conolize and Fligth simulator (Inmersive Pavillon)





EOS-X Space is partnering w/ top brands

EOS-X Space is partnering with top brands for co-branding, marketing and sponsoring

EOS-X Space brand partner(s)

- Guaranteed 10-year partnership agreement with EOS-X Space
- Exclusivity with partner brands for fashion & accessories (no other partnerships with competing brands)
- Partners may use the EOS-X Space brand to generate own content, co-branding initiatives, news and products
- Physical co-branding where possible (launch center, visitor center, SpaceHub...)











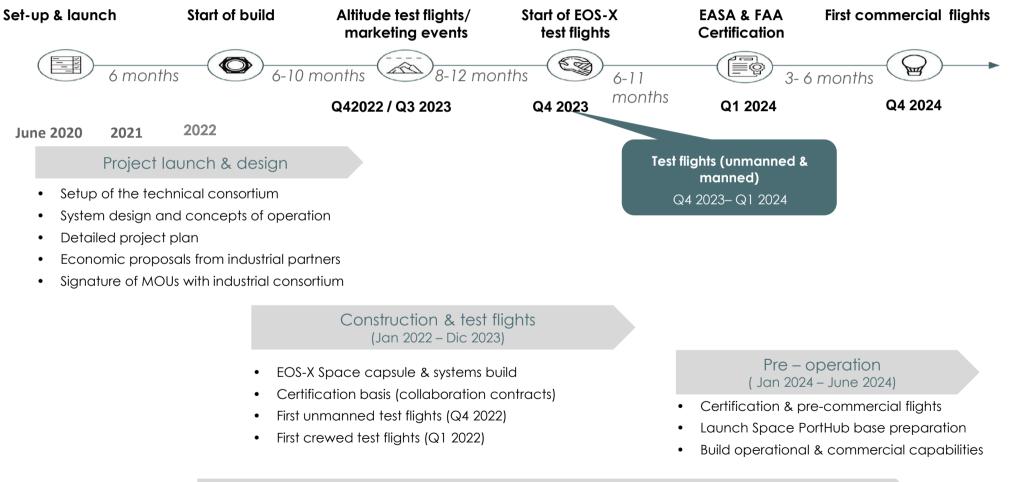
Awards & Government, organizations and certifications.



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The EOS-X Space timeline

EOS-X Space commercial flights are planned to launch by the end of 2023



Certification (January 2024 – June 2024)



The EOS-X Space setup

Agora Next and IT Holding Capital have created a setup of top- class tourism and Tier 1 aerospace players that have conceived and are developing EOS-X Space





- Agora Next Hub is a startup accelerator in the tourism and travel technology domain
- It is part of a business group (ITH Capital) dedicated to taking holdings in the capital of technology companies with the aim of promoting research, development and innovation projects

Developement Partner Fase 1 (2020 - 2021)

Arthur D Little Solutions

- Arthur D. Little is a leading management consulting company, with a strong legacy in the space sector rooting back to NASA's Apollo program and +100 projects across the space sector value chain.
- ADL is the Lead Development Partner for EOS-X Space Fase 1
- Additionally, ADL has onboarded a team of ex-Airbus military engineers and executives who are responsible for each of the EOS-X Space systems

Developement Partner Fase 2 (ON GOIN)



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Tourism advisors/investors

Highly experienced and reputed tourism executives (WTTC, Apple Leisure Group, Nuba Viajes, Viajes el Corte Ingles, Blackstone, Deloitte.....)

An aerospace consortium of top-class companies.













The EOS-X Space setup

An aerospace consortium of top-class companies designing and building EOS-X Space systems



- With 30 years of expertise, is the only Spanish supplier of product engineering, manufacturing and customer service for the entire Airbus group around the world
- It has more than 2,000 employees in Spain, France, Germany, UK, Portugal, India and Brazil



Capsule Integrator

• Aciturri is a Tier 1 supplier for Airbus, manufacturing components such as spoilers, rudders ailerons, landing gear... for the A320, A380, A350, A310 MRTT, A400M, Beluga and other Airbus aircraft

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AIRBUS

• It has more than 84.000m2 of facilities, more than 600M€ in revenue in 2019 and more than 3.200 employees

CANCELED **Ground Control** GMV is a reference company in the Space ground segment market Their systems have been selected by Space Agencies, satellite operators and prime contractors worldwide and are deployed across five continents GMV has more than 2,200 employees alobally **Descent & Landing System** MSA CIMSA Ingeniería de Sistemas is a world class parachute company with activities in design and manufacturing of all kinds of parachutes and aerodynamic stabilizers CIMSA is a trusted supplier for several European countries' armies, including the Spanish or Italian Air Forces





Universidad Carlos III de Madrid





The EOS-X Space setup

EOS-X airbone systems

We are working with global leading players

Cabin instruments

- Avionics & GPS Garmin
- Meteo radar
- Gas analyzer
- Altitude indicator, vertical speed, clock, altimeter Pressure, temp and air composition indicators
- Battery level indicators
- Oxygen indicators

ECLSS

- Air conditioning
- Oxygen
- CO2 extraction
- Humidity
 extraction
- Pressurization

Emergency systems

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- Extinguisher system
- Emergency oxygen
 system
- Depressurization accident
- Escape system

EOS-X Capsule

esa

European Space Agency

- Communications
- Radio (VHF/UHF) and data links
- Boarded antenna/systems
- Transponder Class 2
- Outside/inside cameras
- Video streaming

Cabin equipment

- Shock absorber seats
- Audio
- Displays

- Ground control

- Mission & flight plan
- Flight preparation & launch
- Flight tracking
- Approach & landing supervision







EOS-X Space development

EOS-X Space is a project with solid technical foundations, an actionable plan and roadmap and considerable development to date

The setup and project organization has enabled EOS-X Space to achieve...

• The complete system specifications and concept design



• Engineering studies (aerodynamics, stability, flight simulations)





• A first class industrial consortium of aerospace Tier 1 companies to design and build EOS-X Space



- Agreements with EASA & INTA (certification agencies) for:
 - Certification of the EOS-X Space system and operations procedures
 - Approval of location & support for first test flights in Q4 2023





 Detailed engineering, manufacturing and test plans for the full development of EOS-X Space system and operational capabilities build up to commercial launch





EOS-X Space is a feasible venture

Based on tried and tested technologies, with a thorough de-risking process completed



Balloons

Ready to be supplied by TIFR (Tata Institute of Fundamental Research) with 4-6 month lead time

PACE



Descent & landing system

- Blueprints being developed
- Initial configuration & studies completed & approved



Capsule

- Blueprints being developed
- Initial configuration & studies completed & approved









Project setup & plan Fase

Tier-1 technical consortium in place

- Top engineering team
- Detailed work packages & plan in place





EASA

- Innovation Partnership Contract to be signed w/ EASA for EU certification
- Collaboration w/ INTA underway

Launch locations

Certification



- Location feasibility analysis completed & validated
- UAE & Spain onboarded as launch locations

Introducing EOS-X Space:

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3. Current situation

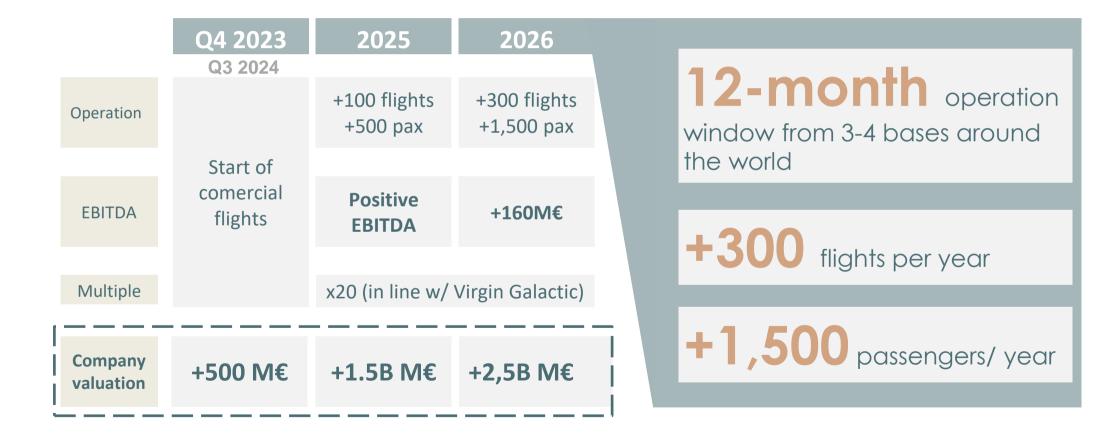
4. The plan

5. Business plan and funding rounds

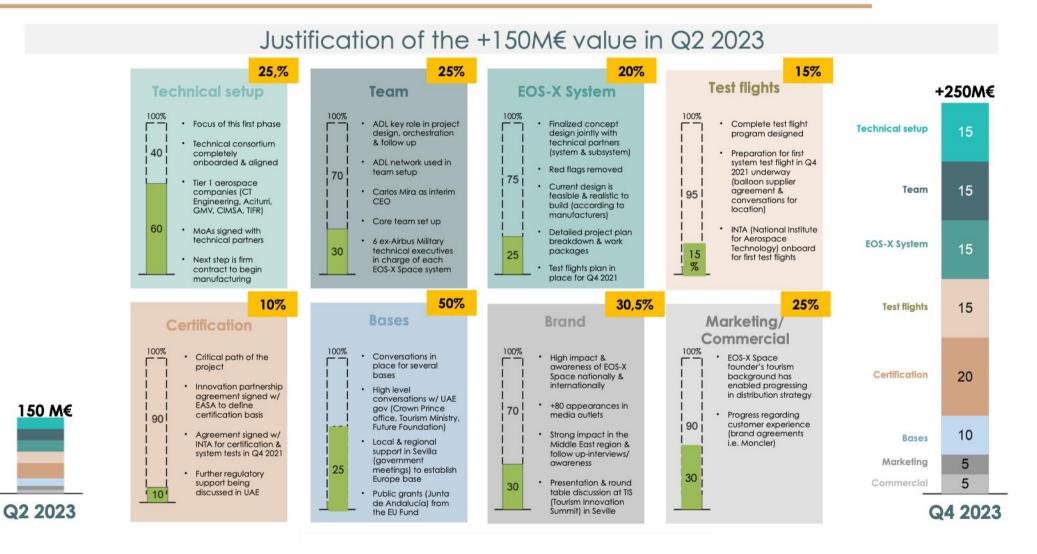


The EOS-X Space figures

Our ambition is to fly +1,000 passengers per year after full ramp up of commercial operations



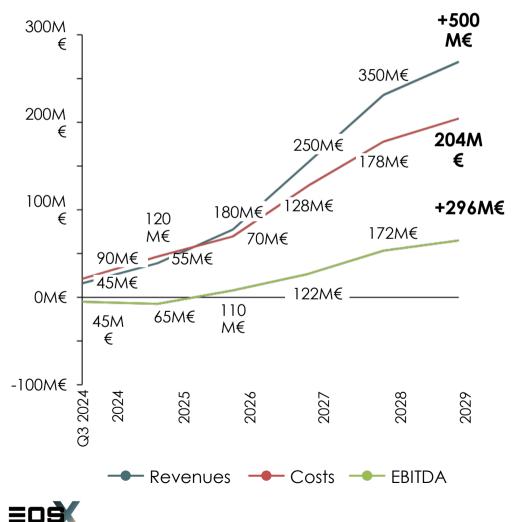
Development to date (+65%) represents a +150M€ valuation



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EOS-X Space figures – from launch of commercial operations

EOS-X Space business plan upon launch of operations



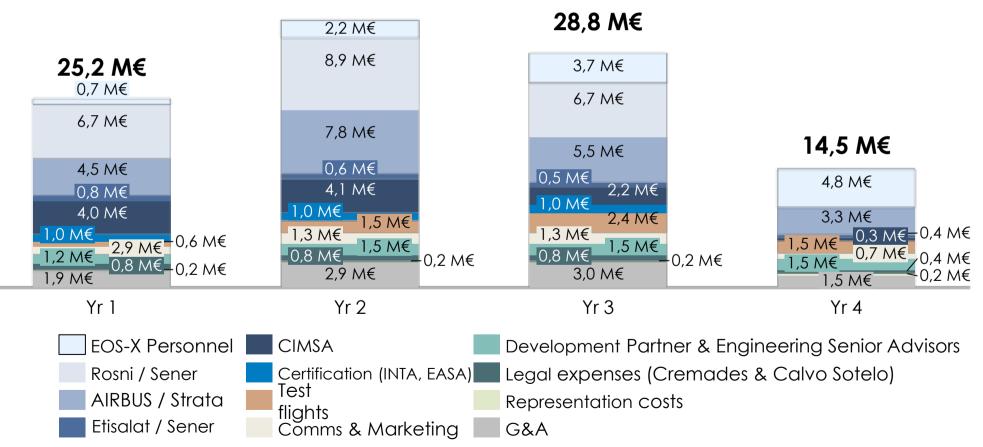
	Q4 2024	2025	2026	2027	2028	2029
N° of flights	100	200	300	350	400	500
N° passengers	1000	1500	2800	3,800	4,800	5800
№ bases	2	2	3	3	4	4
Ancillary revenues	90M€	120M€	180M€	250M€	350M€	500M€

Additional upsides (not included in Business Plan):

- Grants from EU restructuring funds, Spanish
 Government, Regional governments
- Sponsorships
- Pre-bookings (first pre-bookings planned at Abu Dhabi Q42023 (Nov 2023 Feb2024)
- Cost reductions from balloon manufacturing automation
- Use of hydrogen instead of helium (expected by 2026)
- Reusable stratospheric balloons

EOS-X Space figures – up to launch of commercial operations

EOS-X Space use of cash up to launch of commercial operations



32,9 M€

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Company Civerviev

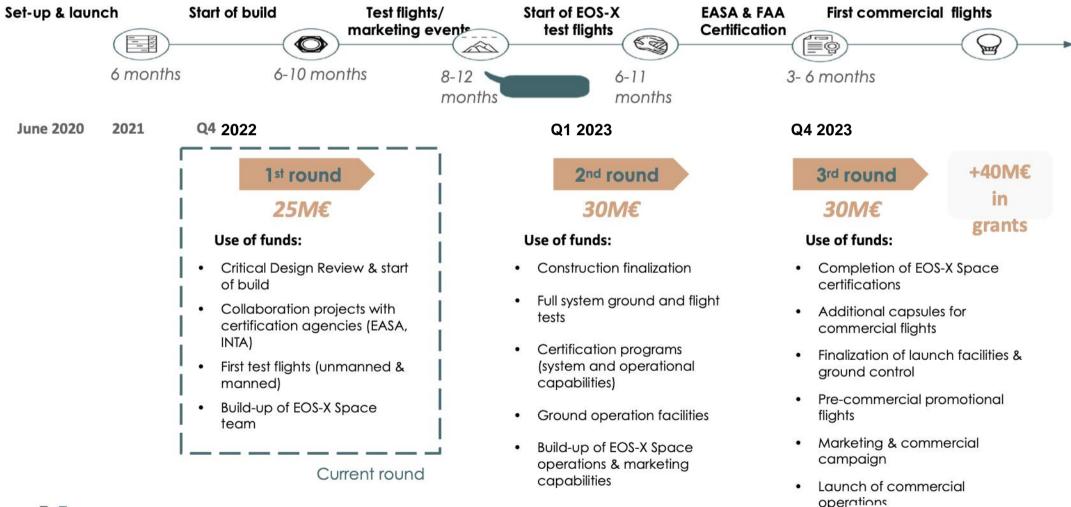
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EOS-X Space fundraising

The project is structured around 3 fundraising rounds and public grants designed to cover CAPEX and OPEX up to commercial operations



Highlights

\$5.9BN invested in last 12 months (\$6.9bn in Q4 22)

\$1.4BN invested in **Q1** (\$801m in Q4 22)

233 on Seraphim Investment Index (272 in Q4 22)

281 on Seraphim #Deals Index (257 in Q4 22)

\$165M biggest deal closed in Q1 (Isar Aerospace)

\$14.3M average deal size in Q1 (vs. \$9.7m Q4 22)

\$4.5M median deal size in Q1 (vs. \$3.5m Q4 22)

space-related SPAC announced (vs 0 in Q4)

Investment (\$), TTM to Q1 22 vs. Q1 23

(% Change)



-80% -60% -40% -20% 0% 20% 40%

In the latest TTM period, investment declined across nearly all space industry subsectors, except for product. The most capital-intensive subsectors, Build, Launch, Downlink, and Beyond Earth, have experienced the largest drops. This aligns with expectations, as these subsectors had witnessed exceptionally large mega-rounds between Q2 '21 and Q1 '22. Standing out from the crowd, product investment increased 32% compared to the previous TTM period. This growth can be attributed to several major funding rounds for climate-focused platforms (BeZero Carbon \$50m Series B and Pachama \$55m Series B, and location services provider Swift Navigation \$100m Series D).

Q1 2023 DEALS ACTIVITY (# DEALS)

From Q3 to Q4 2022, the number of Space Tech deals plateaued at approximately 106 deals per quarter, marking a decline compared to the first half of the year. During this time, growth stage deals decreased, while earlystage deals increased as investors diversified their portfolios with smaller investments in more companies.

In Q1 2023, early-stage deals saw a modest 4% growth, while late-stage deals rebounded with vigour. The quarter witnessed 32 growth stage deals, setting a record for the highest number of deals in a single quarter. It is believed that many Series B+ startups, adequately funded through 2021, refrained from raising capital during the uncertain economy of 2022 to avoid lower valuations. However, as the economic outlook remains unclear and runways shorten, many companies have resumed fundraising, often accepting flat or reduced valuations. Throughout 2022, companies focused on improving financial health to align with investors' growing preference for high-quality growth firms with clear paths to cashflow breakeven and minimal future financing needs. Consequently, growth deals tend to be smaller, and valuations generally remain flat.

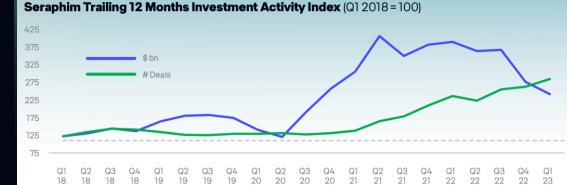
Q1 2023 has seen a significant increase in Beyond Earth companies being formed and funded, making it the second-largest upstream subsector in terms of deal volume. This trend suggests either a growing investor appetite



SERAPHIM

for higher-risk subsectors or a perception that this subsector now carries less risk. The product category continues to be the largest downstrearn sector.

OVERALL INVESTMENT ACTIVITY



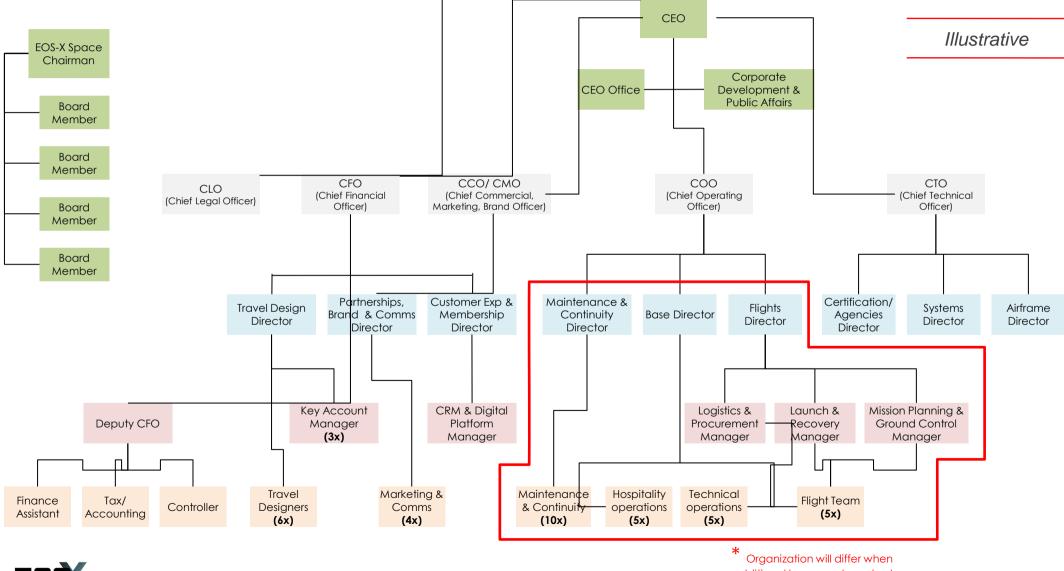
The Space Index indicates that TTM investment in SpaceTech has been subdued over the past two quarters, with growth investors shifting towards earlier stage deals to avoid high burn rates and capital requirements. Many growth stage startups have also delayed fundraising, opting for alternative financing sources and extending runways until economic conditions improve. Investment and deal numbers remain well above historical norms prior to Q4 2020. Although investment has decreased since the record highs of 2021 and 2022, those peaks were largely driven by mega-rounds from companies like SpaceX, OneWeb, Sierra Space, and Virgin Galactic. Adjusting for these outliers, Q1 2023 still ranks as the fifth highest funding quarter to date, suggesting sustained activity in the space economy.

COMPANY	COUNTRY	DATA LIFECYCLE	SUB CATEGORY	STAGE	AMOUNT (\$m)
Isar Aerospace	Germany	Launch	Rockets	Series C	165
Voyager Space	US	Beyond Earth	Space Infrastructure	Series B	80
Astroscale	Japan	Beyond Earth	Space Logistics	Series F	76
Capella Space	US	Platform	Satellites - Earth Observation	Series C	60
Mino Space	China	Build	Space Hardware	Series B	59
Exotrail	France	Launch	Space Tugs	Series B	58
EOS-X Spaceship Company	Spain	Beyond Earth	Space Exploration	Series C	54
Agreena	Denmark	Product	Data Platform	Series B	49
Reaction Engines	UK	Launch	Rockets	Series D	48
Freeform	US	Build	Space Hardware	Series A	45

SERAPHIM

The EOS-X Space team buildup





additional bases are launched

The EOS-X Space team

A solid and experienced team is driving EOS-X Space



Andrés Echecopar CFO EOS-X Space Founder AEA Capital Advisors & Former Partner Permira Capital



Kemel Kharbachi Founder & CEO EOS-X Space Corporate Development CEO Agora Next & IT Holding Capital



Rafael Acedo

+40 yrs in exec roles at Airbus Group (Head of Strategy, Head of Engineering & Tech, VP Programs at Airbus Military) Former Vice Chairman of the European Program Clean Sky Grand Prix de L'Academie Française de L'Air et de L'Espace



Francisco Cano

+40 yrs in exec roles at Airbus Group (VP Program Director for the A400M Aircraft Systems; System Design Responsible (SDR) for the Environment Control and Life Support System of the EF2000 Eurofighter Program; Ex-Board Member of EADS Military Aircraft...)



Miguel Ángel Morell +40 yrs in exec roles at Airbus Group (Sr. VP Head of Engineering of Military Aircraft, Sr. VP Head of Operations (production, procurement, quality, final assembly), VP Head of structures & design at Airbus Military) Spanish Cross of Air Force Merit

+ Angel Barrio
(ex Airbus exec)
+ Alejando Jiménez
(ex Airbus exec)



EOS-X SPACE TEAM - The team that will execute the project and ensure its success will be:









COP UAE



The UAE will be hosting in November 2023 the COP28 conference, coinciding with the Year of Sustainability in the country

Key highlights

COP or the Conference of Parties is the apex **decision making body of UNFCCC**, created to adopt the necessary decisions to **achieve the objectives of the fight against climate change**, such as the stabilization of concentrations of Greenhouse Gases in the atmosphere, in order to prevent risks to the Earth's climate system.

The 28th Conference of Parties will be hosted in the UAE, inviting all the participating members.





28th November until 12th December, coinciding with UAE National Day **Q**

EXPO2020 Dubai, having all facilities to host conferences and visitors



2023 Year of Sustainability in the UAE, showing the country's commitment







EOSX Space as a preferred partner of the UAE supporting COP28 and the Year of Sustainability in the UAE

EOSX Space and COP28 alliance

First Space Zero Emission company hosted in Abu Dhabi

And Add to the second

Abu Dhabi as the one of the main locations for the taking off base camp

Abu Dhabi as the one of the main locations for space center hub

Leveraging Abu Dhabi industry sector, tourist sector, tech sector

Promoting Abu Dhabi tourism and entertainment



GREEN CAPITAL

Green bonds have been touted in recent years as tools to advance technologies, finance clean en





EOS

ABU DHABI GLOBAL MARKET ىبىوق أبوظېي العالمي











GENESIS OF SPACE TOURISM.

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