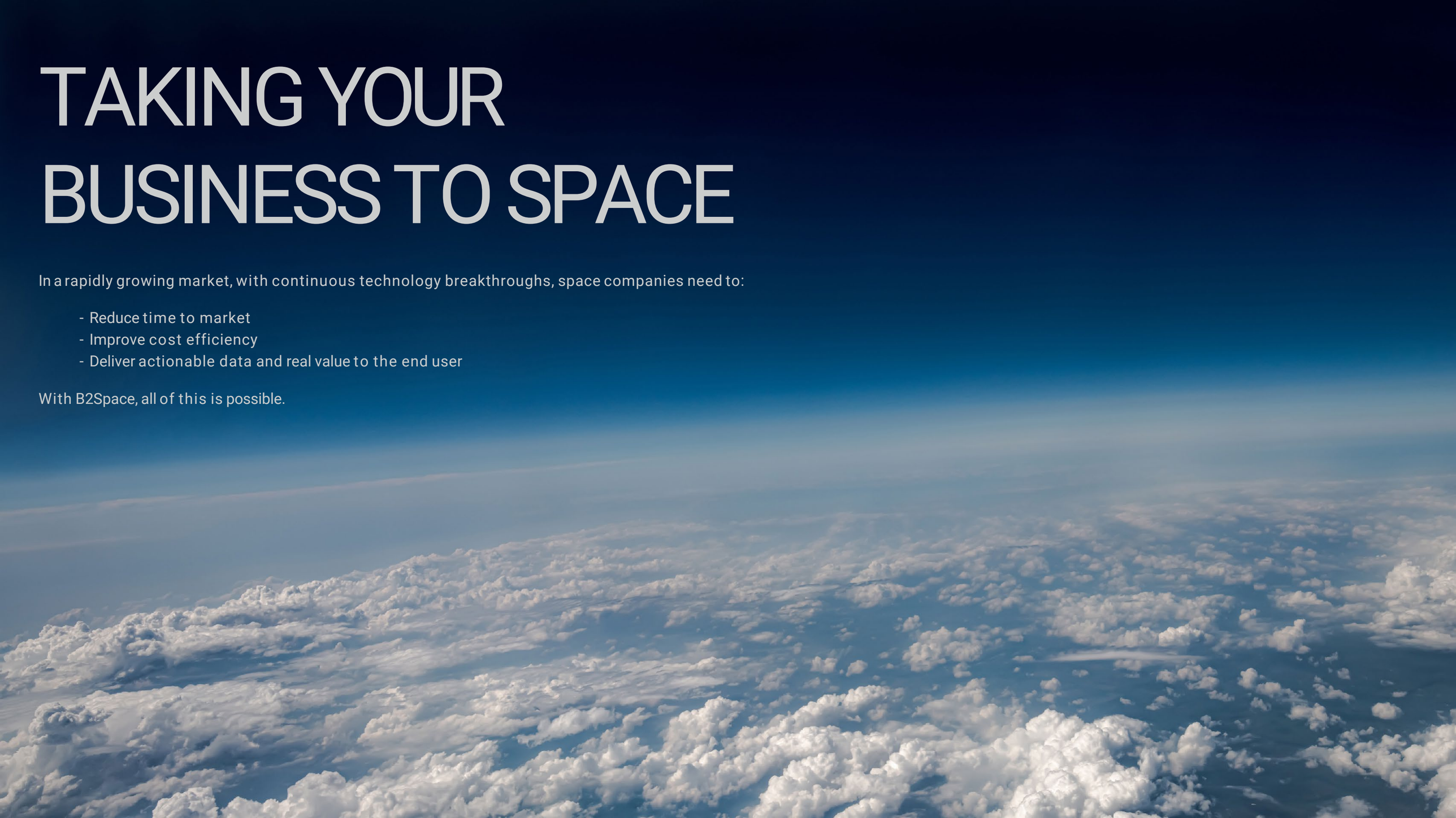
Investor pitch

TAKING YOUR BUSINESS TO SPACE

In a rapidly growing market, with continuous technology breakthroughs, space companies need to:

- Reduce time to market
- Improve cost efficiency
- Deliver actionable data and real value to the end user

With B2Space, all of this is possible.



QUICK OVERVIEW

HIGH ALTITUDE OPERATIONS EXPERTS

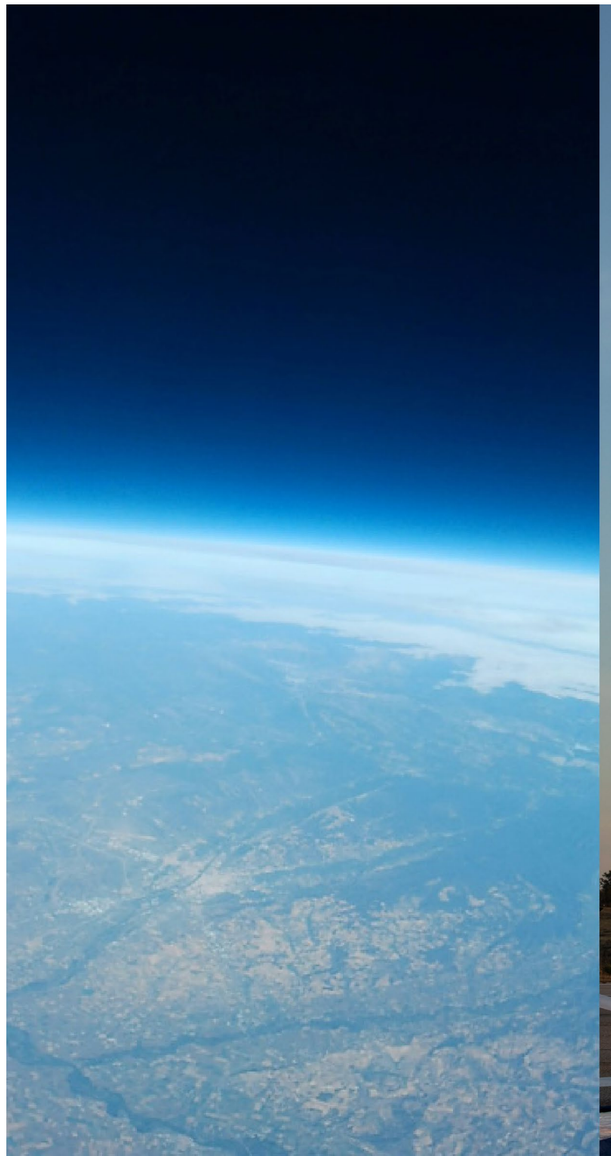
Near Space Testing

High altitude Pseudo Satellite

Missions Satellite Launch (Rockoon)

Founded in 2016 in UK and later expanded to Spain, B2Space is the European leader in High Altitude Operations, delivering a set of unique services already generating commercial revenue.

NEAR SPACE TESTING

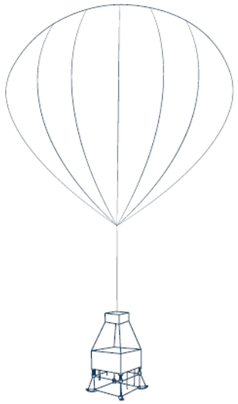
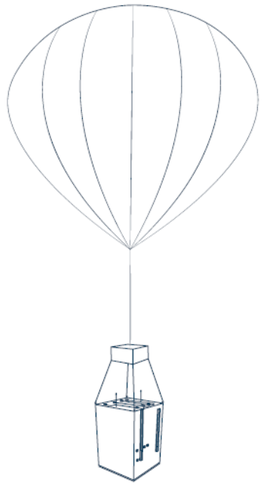
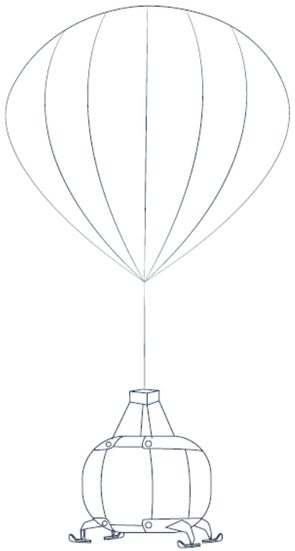
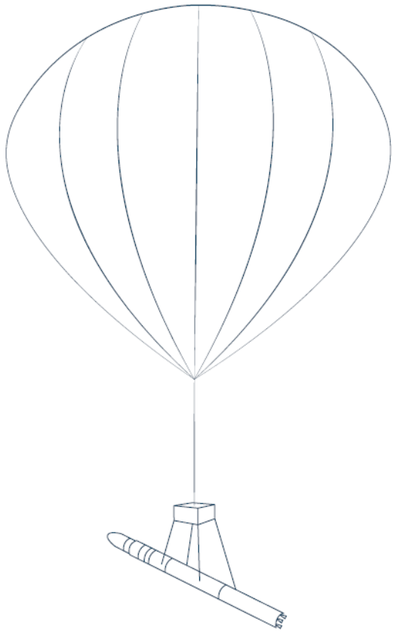


HAPS MISSIONS

SATELLITE LAUNCH

B2SPACE

CAPABILITIES

	NEAR SPACE TESTING	HAPS	NEAR SPACE TESTING FOR SPACE TOURISM	ROCKOON
				
Status	In commercialization	In commercialization	In commercialization	In Proof of concept
Flight duration	2 - 6 h	Up to 48 h	6 h	4 h
Altitude	14 - 37 km	14 - 37 km	25 - 35 km	20 - 35 km
Payload	< 50 Kg	100 - 500 Kg	3000 Kg	5500 Kg
Total weight	50 Kg	200 - 600 Kg	3500 Kg	6000 Kg

esa business incubation centre UK

UK SPACE AGENCY

competitividad empresarial ice

AIRBUS DEFENCE & SPACE

Junta de Andalucía

HALO SPACE™

NORTHROP GRUMMAN

INTA

NEAR SPACE TESTING

A “flying lab” based on stratospheric balloons to test Space technologies

The stratosphere presents extreme conditions very similar to in orbits ones:

Near vacuum conditions

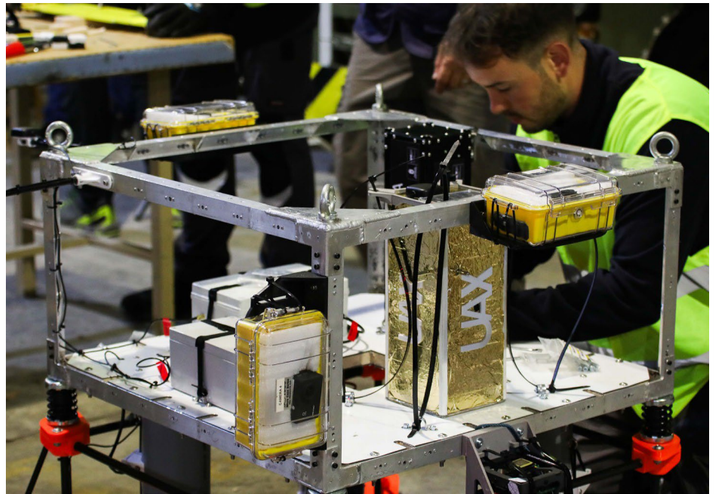
Big temperature gradients

High radiations levels

Near Space Testing enables the cost-effective conduct of tests, qualification, and validation of technology, an aspect highly sought after by universities, research institutions, small satellite manufacturers, and R&D projects. Additionally, it provides equipment and expertise in the High Altitude Operations for emerging space tourism operators.

Image provided by HALO, the company to which we offer our services

Images taken from our launches



HAPS MISSIONS

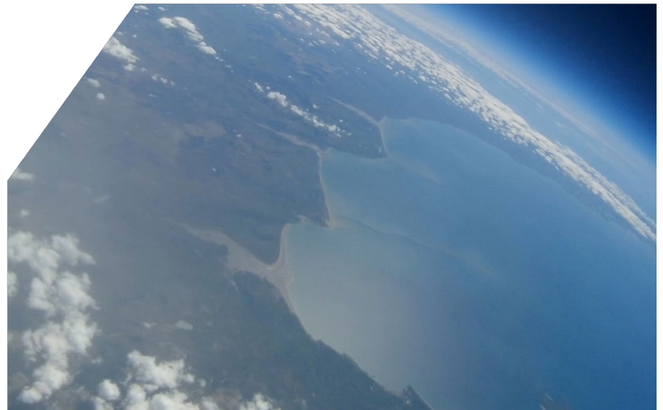
High Altitude Pseudo Satellites solutions that can be applied in multiple scenarios

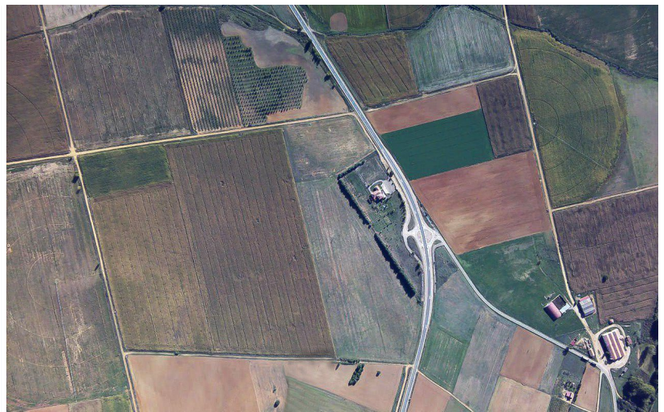
HAPS is considered by ESA and industry as the ‘missing link’ between drones flying close to Earth’s surface and satellites orbiting in space.

There are many potential applications of HAPS, mainly derived from the communications and remote sensing capabilities, among them we find:

Earth Observation	Telecommunications	Surveillance
Smart Agriculture	Emergency communications (disasters)	Border control
Fire detection	Eliminate communication “dark areas” in maritime and airplanes routes	Illegal fishing
Environment control	Support to smart applications	Oil spills

Images taken from our launches





ROCKOON LAUNCHER

Reliable, flexible and low-cost access to Low Earth Orbit for small and micro satellites

“ROCKET + BALLOON” LAUNCH SYSTEM

LARGE SAT.
> 1000 Kg

MEDIUM SAT.
500 - 1000 Kg

SMALL SAT.
100 - 350 Kg

MICRO SAT.
10 - 100 Kg

B2SPACE target

NANO SAT.
1 - 10 Kg

A stratospheric balloon lifts a self-operative platform (to a height of up to 35km) from which the rocket launcher is deployed. A 3-stage solid propellant rocket then delivers the satellites into the required client orbits (into Low Earth Orbit - LEO).

B2Space will be capable of dedicating individual launches to small satellites or providing launch capacity for a group of nano or cube satellites, satisfying the main needs of this market focus. All of this will be achieved by making use of innovative technologies to drive further efficiency and cost reduction: generative design, additive layer manufacturing, autonomous systems, and advanced materials.

Carbon emissions and propellant consumption reduction of more than 70% compared to other launchers

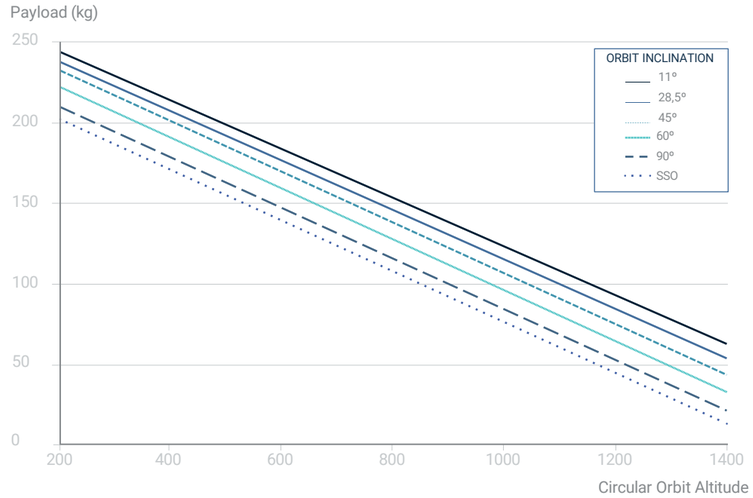


Image taken from our launches

QUICK OVERVIEW LAUNCHES

PLAY

B2SPACE

TEAM

Cofounders

Victor Montero

Co-CEO & COO

Valentin Canales

Co-CEO & CTO

Judith Martin

Branding and IT Director

Laura Alvarez

Co-founder

Teams

30

2	15	11
PhD	MSc	BSc

Proven track record in top companies

AIRBUS

Rolls-Royce

Virgin

AIRBUS DEFENCE & SPACE

Reaction Engines

Project Management

Estibaliz Alcalde

Software

Bruno Santamaria

Avionics

Daniel Couso

Analysis

Flavia Perez

Business Dev.

Julio Verdasco

Finance

Antonio del Cura

Mechanical

Dmytro Yemolaev

P.assurance &Safety

Dr. Andy Quinn

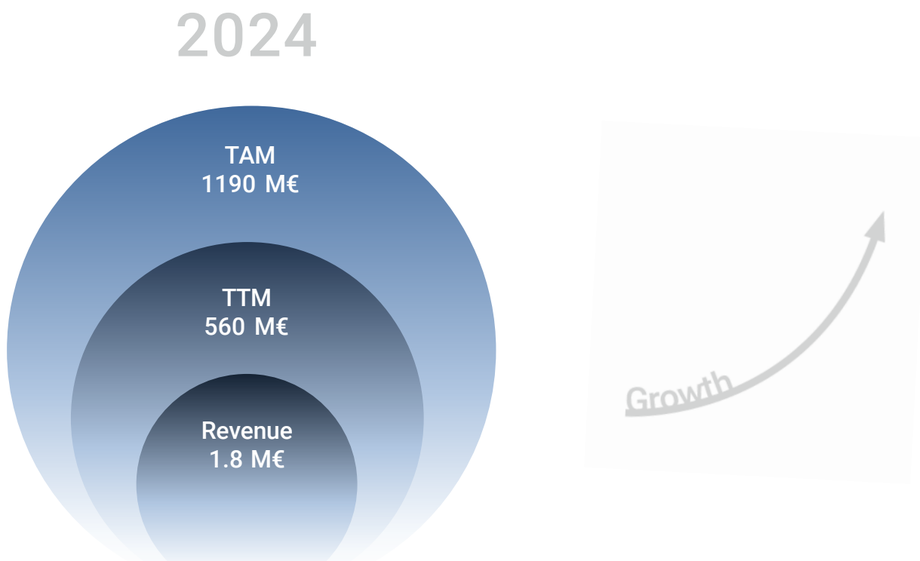
MARKET OVERVIEW – FOCUS ON HAPS , NEAR SPACE TOURISM AND NST

The **market for near space testing activities**, which includes flying payloads in the stratosphere for scientific experiments and testing space technologies, **is projected to grow significantly.** This growth is driven by the increasing demand for cost-effective platforms for scientific research, technological testing, and environmental monitoring at high altitudes, utilizing high-altitude balloons (HABs) and other near-space systems

The **near-space tourism market is gaining significant momentum**, with companies like Space Perspective, World View, and HALO Space at the forefront of this emerging industry. These companies offer unique experiences by taking tourists to the edge of space using stratospheric balloons, providing a more accessible and cost-effective alternative to traditional space tourism ventures.

The **High-Altitude Pseudo Satellite (HAPS) market is poised for significant growth over the next few years**. According to multiple market reports, the HAPS sector is expected to see a robust compound annual growth rate (CAGR) ranging from approximately 9.62% to 17.2% between 2023 and 2028. This growth is driven by the increasing demand for high-capacity wireless services, advancements in photovoltaic technology, and the development of new propulsion systems, as well as the defence applications being developed.

Sources: Frontex Research Study on High Altitude Pseudo-Sat. (July 2023); Frost and Sullivan; B2Space. All values in millions of €



VALUE PROPOSITION

UNIQUE SELLING POINTS PROVIDING US COMPETITIVE ADVANTAGE, LEADING THE WAY IN EUROPE

Flexible Launches

Launches can be planned in **multiple locations**, environments (i.e. land, sea,…) and with quick and agile response times.

B2Space has obtained licences to fly in UK, Spain, France, USA and Saudi.

1

Cost Efficiency

The ability to develop in-house all critical technologies allow us to be very cost efficient compared to competitors.

Additionally, counting with 2 sites (UK and Spain) allow us to hire highly qualified engineers worldwide at a competitive cost

2

Operational Excellence

More than 7 years of flight experience allowing us to have robust flight operations procedures and processes, with a recognised safety methodology.

This is an **entry barrier for competitors and a key advantage**

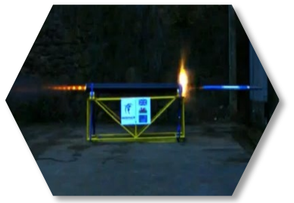
3

Technology Capabilities

B2Space has developed advanced **in-house technology capabilities** allowing us to design and build all HAPS critical systems:

- **PCB design and build**
- **Embedded Software development**
- **Avionics test and validation**
- **Simulation tools**
- **Advance aerospace structures**

4



Dual Use

B2Space technology and product have a **direct application for defence and security activities**, opening a huge market:

- **Intelligence, Surveillance and Reconnaissance (ISR)**
- **Communications (defence and emergencies)**

5

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