



Your high-quality imagery, in real-time



Value Proposition

High-quality satellite imagery, accessible in real-time, unlocks satellites potential in all existing and future time-sensitive applications. From a few bytes to GBs. From hours to seconds. VersoSat makes it possible.



Issues

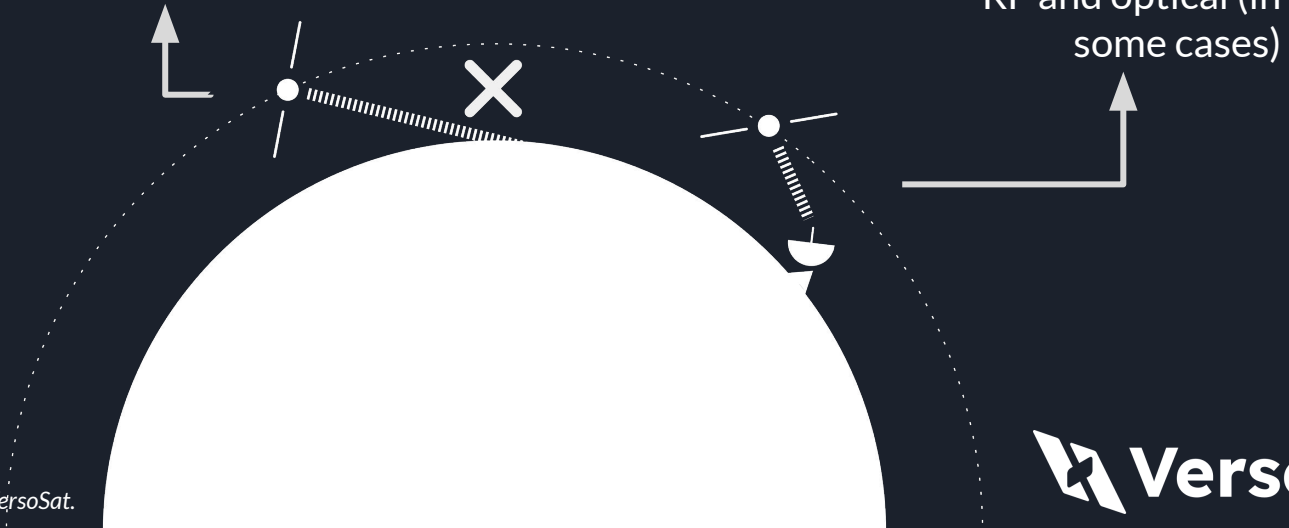
Earth Observation satellites can't transmit **high quantity** of data in **real-time** to the ground



Existing technologies - 1

High quantity of data but delayed

Data may be received even 2 hours later than its production → **limited satellite usability for disaster detection, emergency management and defense solutions**

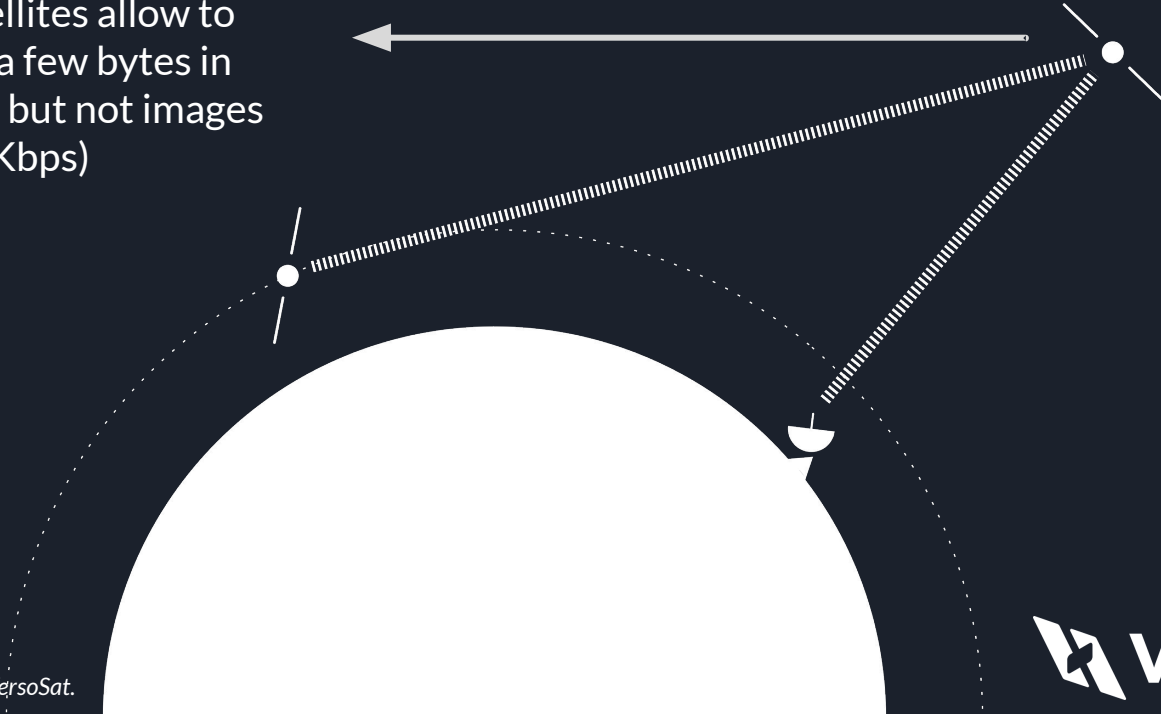




Existing technologies - 2

Real-time data is very limited

GEO satellites allow to transmit a few bytes in real-time but not images (~16-32 Kbps)





VersoSat solution

VersoSat will provide both at the same time:
high quantity of data and in **real-time** as well.
It means, no need of optical communications.
One single radio module to meet all needs.

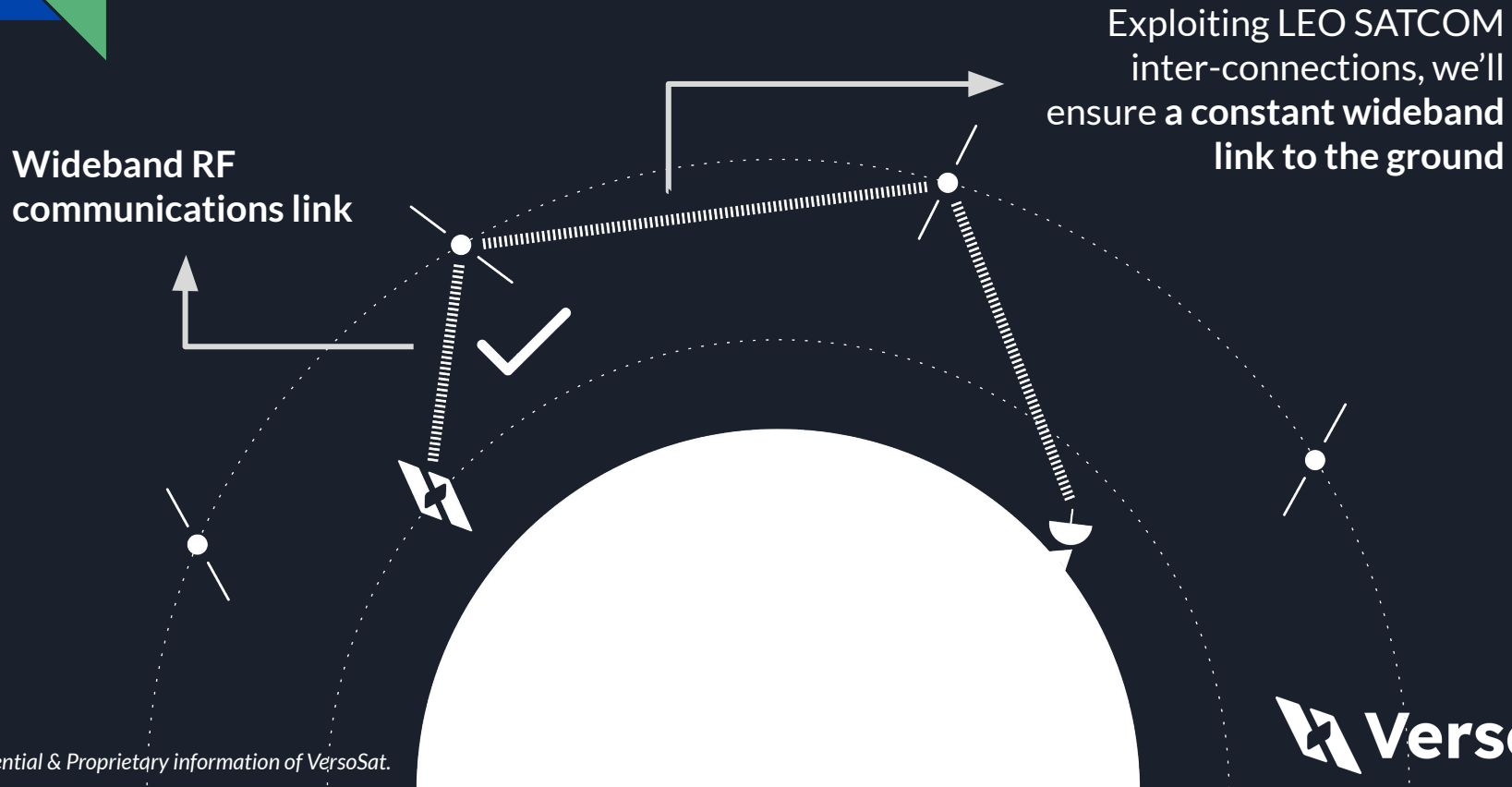


LEO SATCOM constellations will unlock the potential of Earth Observation satellites

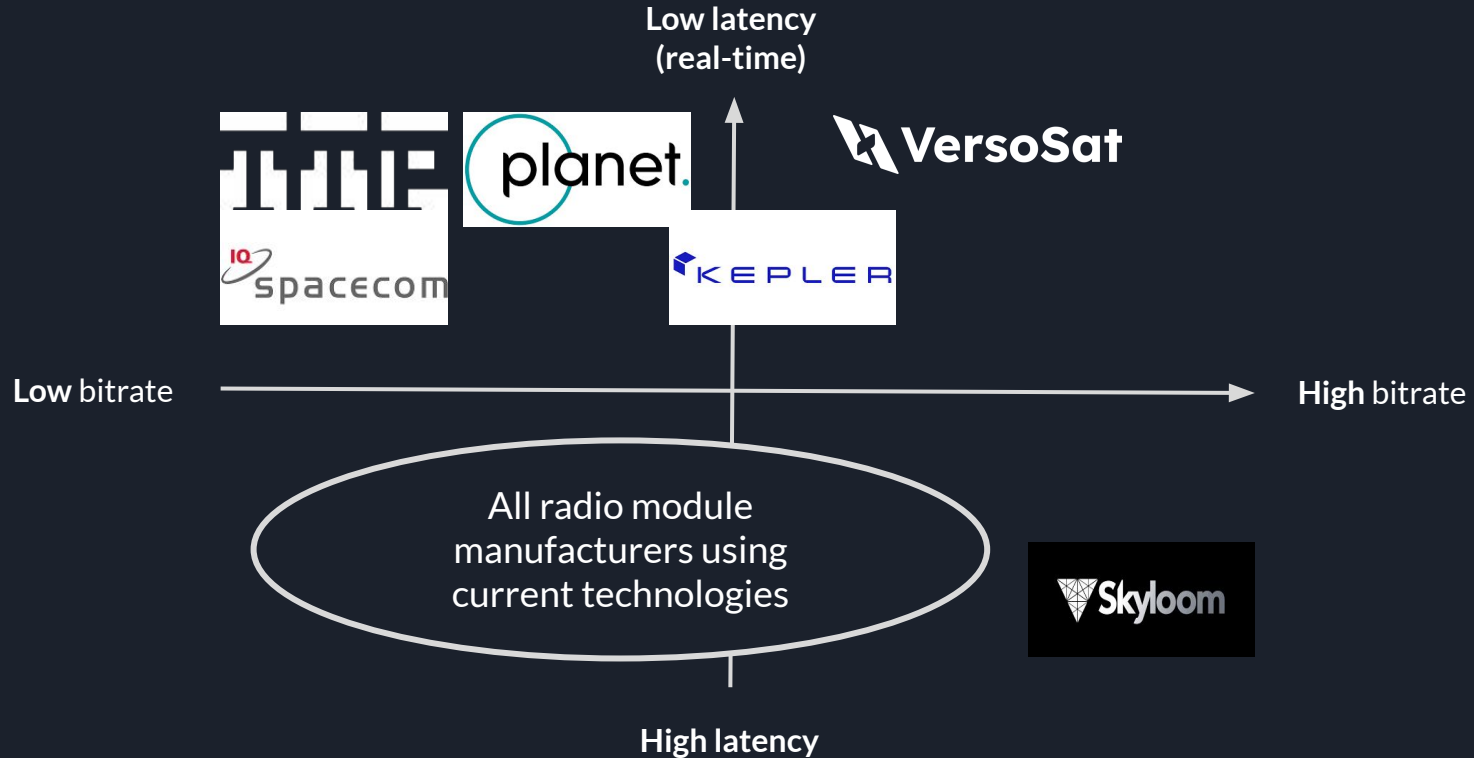
Future SATCOM
satellites will have
1200 km altitude



A high-speed link always available

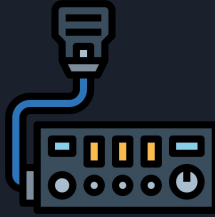


Competitors' analysis

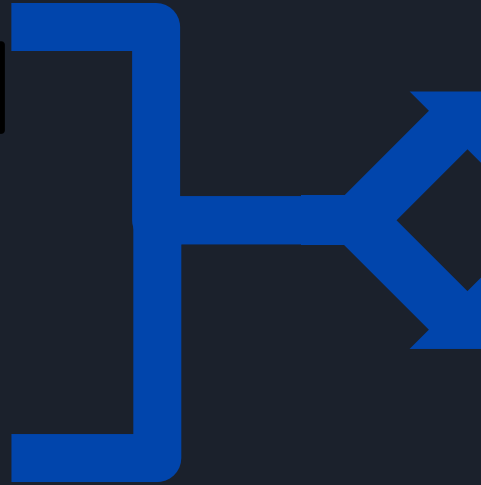
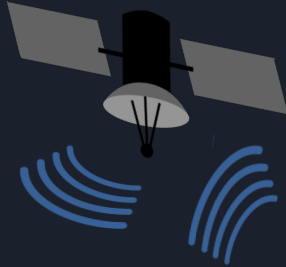


B2B Revenue Model & Go-to-Market

Sale of the
product (HW +
SW + Antenna)



Sale of the
data-relay
service

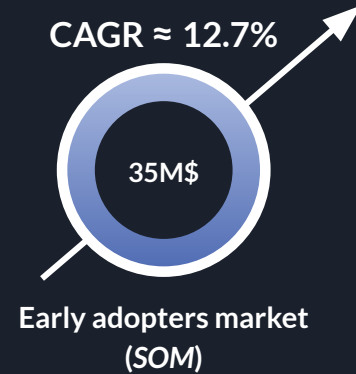
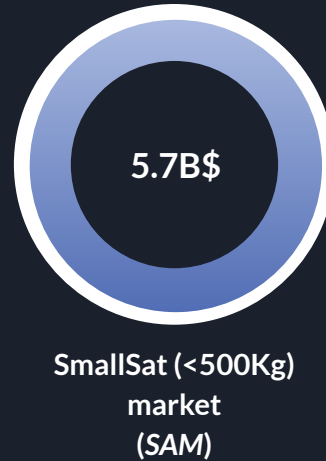
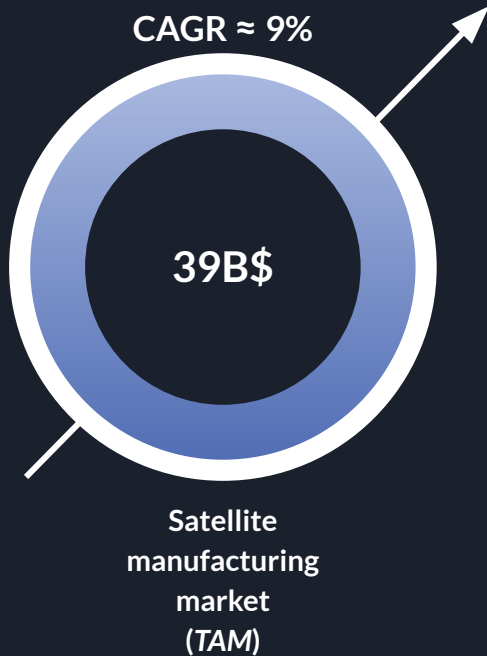


Satellite
Manufacturers



Satellite
Operators

Market size 2023 - CAGR 2023 - 2030



Traction & achievements

Q3 2024



Got selected for two incubation programs:
ESA BIC and S2P



Q1 2025



Signature of 2 Letters
of Intent: design
support and early
adoption



Q2 2025



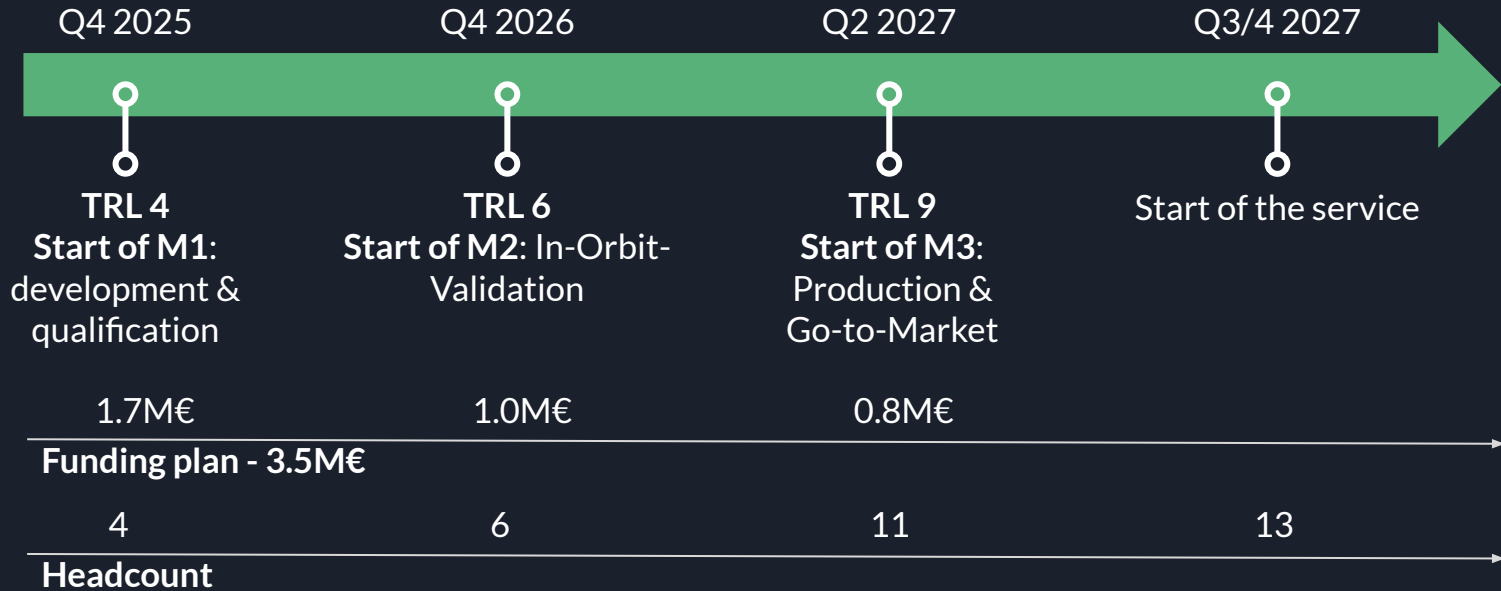
It's estimated that
customers will x2/x3
their service price and
x1.5/x2 their
customers

Q2 2025 2H



Cost forecast
finalized with
proprietary HW
design

Funding round - 3.5M€





Team



Mehdi Messaoudi

CTO

Electronic Engineer

PhD candidate, TLC Engineer



Marco Aprea

CEO

TLC Engineer



Vincenzo Galdo

COO

Aerospace Engineer



E-TEAM SQUADRA CORSE
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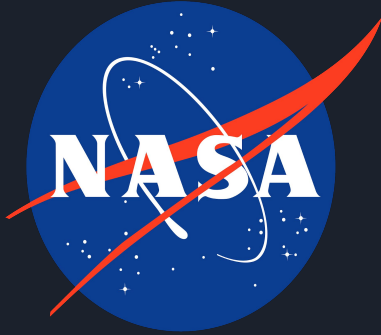




Thank you for your attention!



Business opportunity: why now?



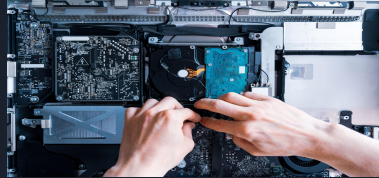
Thanks to NASA,
6 SATCOM operators are adapting
their satellite networks



New radio regulations
(ITU WRC December 2023)

Execution

Custom HW design and qualification by a recognised italian company. IP kept by VersoSat.



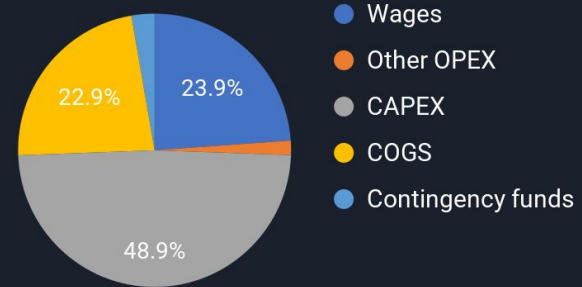
Significant perks by ESA BIC: very low facilities rent and free software licenses.



Sale price will be reduced over time thanks to in-house testing.



Use of Proceeds - 3.5M€

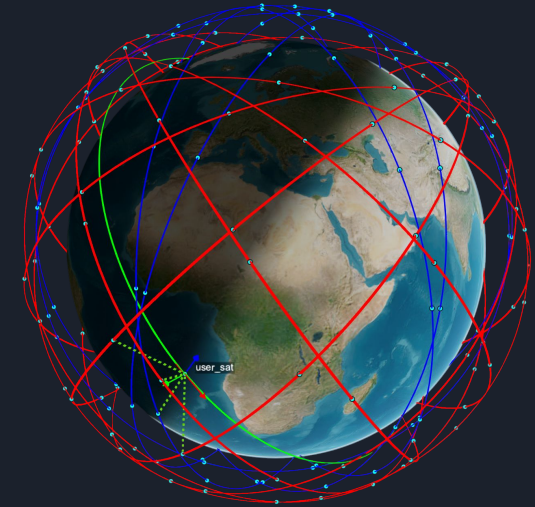


Simulation Results

Input parameters:

- 1) Data volume: 50 GB
- 2) Ground station bitrate: 200 Mbps
- 3) VersoSat bitrate: 100 Mbps
- 4) Result statistics: 100 runs with randomized ground station sets

Test Case	Data Transmission Time	Time Coverage
1 Ground Station	15h 48m	4.06%
5 Ground Stations	2h 29m	25.78%
9 Ground Stations	1h 22m	48.53%
VersoSat	1h 07m	100%



- Constellation inclined orbits
- Constellation polar orbits
- VersoSat user orbit ($i = 60^\circ$)



Simulated ground stations