



New space economy in a snapshot

Context



«The space economy is expected to be **worth \$1.8 trillion by 2035** and averaging a **growth rate of 9% per annum**.

New space is about data & insights to deliver better and new product & services on heart»

World Economic Forum

New space players pursue economies of scale to mass-produce and cost-effectively deploy large constellations of small satellites

Old energy infrastructure

Clients' problems



*The new space paradigm still relies on **old-fashioned satellite recharge** cycles based only on solar arrays, leading to **low onboard energy availability***

Rigid service capabilities

Limited AI and computational capacity

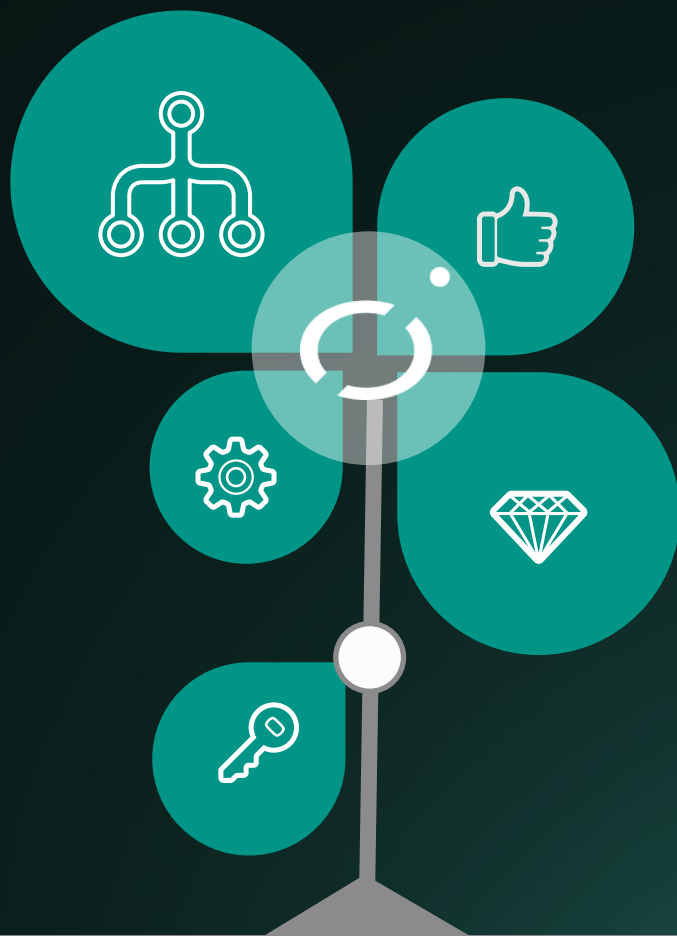
10%–40% of orbital time utilized for value generation

Limited data transmission capacity due to energy constraints

Because of energy constraints, satellite providers face high opportunity costs

ORiS' solutions

Value proposition



+50%

ORiS provides up to +50% battery extension per orbit, enabling:



Best
performance of
AI onboard



Service
flexibilities



**Longer duty
cycle**



Capex
reduction for
clients



No need for retrofitting or any hardware add-ons to the client satellite.

Wireless power transmission

Concept of Operation



ORIS' service **charges space users** by wirelessly transmitting energy **from satellite to satellite** using laser technology



Patent granted in Italy, PCT extended, for energy transmission from one satellite to other satellites and to the lunar surface

Energy-as-a-service in space

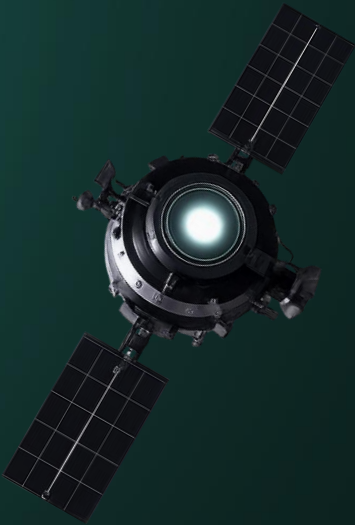
Business model



ORiS provides in-orbit servicing, wirelessly charging clients' satellites using laser technology.

Space charging market

Initial fee for service activation
+
Service subscription



Defence application

ORiS is part of the NATO DIANA program



Drones, like satellites, face similar energy constraints, which significantly limit their operational capabilities



ORiS subsystems can find several application in defence applications

In the defence industry, ORiS positions itself as a technology provider.



Drone defense industry

Reconnaissance missions in strategic, hostile and remote locations
ORiS system is useful for both to sustain flight and support the operations of drone payloads

Unique Value Proposition

Extend each drone's mission **life**
Risk of **return to base** for recharging **eliminated**
Maximizing in-flight **operations** and utilization of the drone payload

Market overview



Space

Market

Defense



Earth Observation,
IOT, Hosting Payload

Target customers

Defense drone
supplier

Global target
satellites

TAM
\$31B

NATO drone recharge
and subsystems related

Target satellites of nationalities
from potential customers

SAM
\$21B

Italian target
customers subcontractor

1% of market gained
in the 5 years since market entry

SOM
\$210M

10% of market gained
in the 3 years since market entry

Service Provider

ORiS' positioning

Technology Provider

Competitive scenario

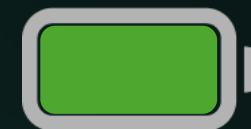
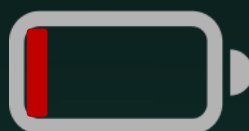
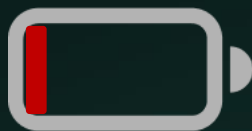
How ORiS is competing



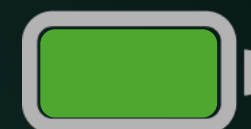
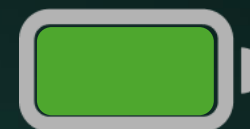
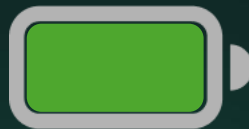
VOLTA



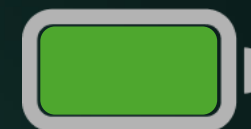
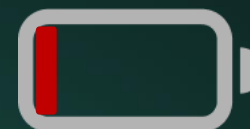
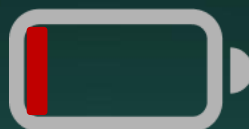
Power



Efficiency



Back compatibility



Funding received and collaborations

Who trusts in ORiS



Funding

€900k funds raised
through investment and
grants

€120k commercial
agreement signed

Partners

Collaborations

Commercial agreement with Thales Alenia Space

Commercial agreement with nLIGHT Europe

Commercial agreement with ALITE

Participation in a call from the Italian Space Agency to develop
technologies for lunar wireless power transmission

MoU with Thales Alenia Space regarding ORiS' space activities

DIANA



GALAXIA

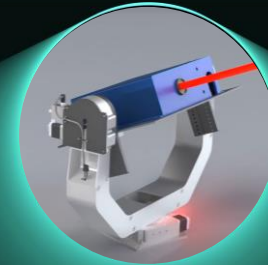




First Prototype

Lab validation of the system

TRL 4



Second Prototype

Operational environment demonstration

TRL 7

Main features

1 kW power, tunable from 60 W

Double axis mechanism for pointing control
over long distances

Beam properties real-time modulation

Wireless communication system with the target

Financials

Projection

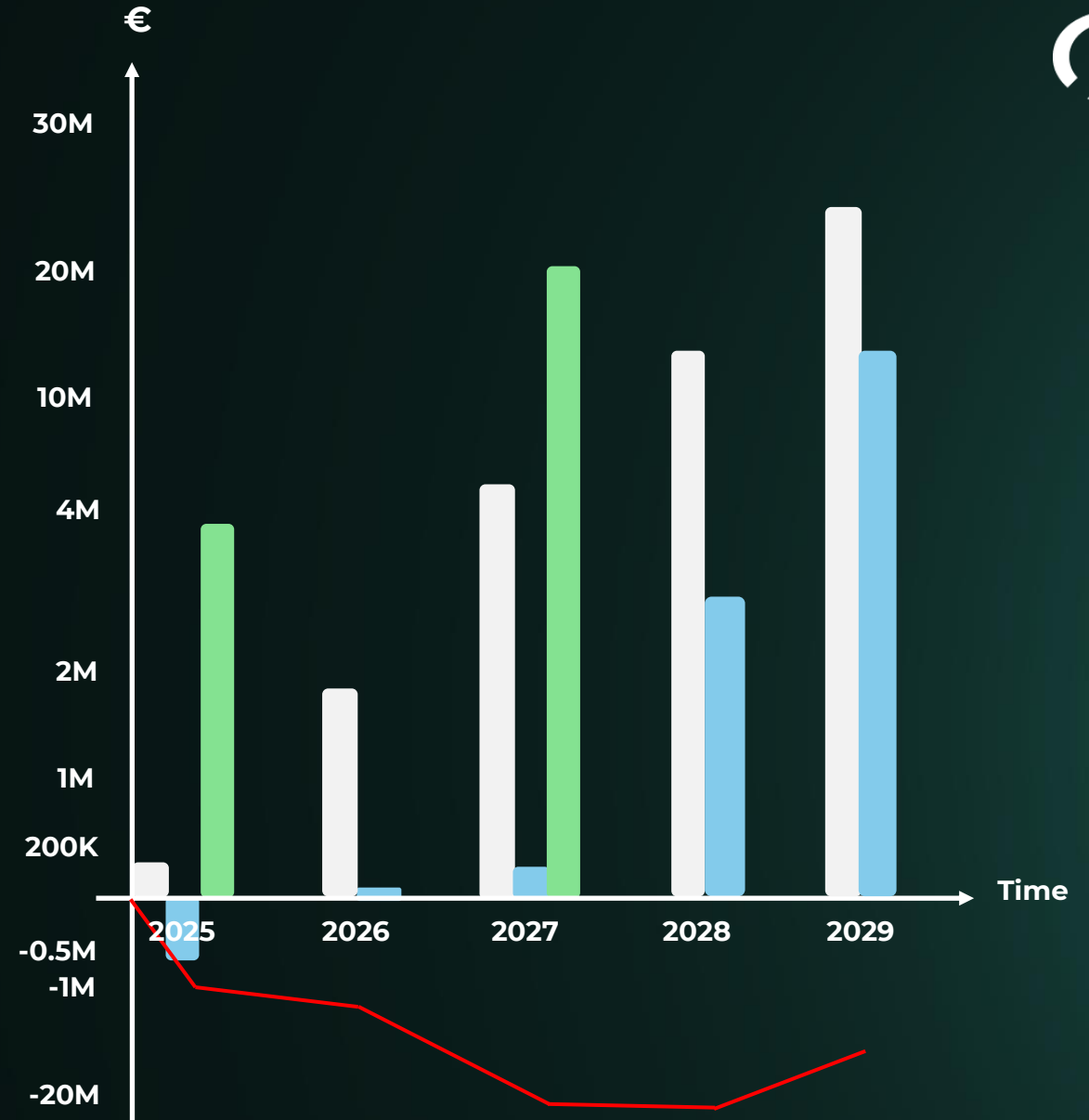
Seed round goal

Defence product development and in-orbit demonstrations

Series A round goal

Space market entry and expansion into other countries

- Revenues
- EBITDA
- Proceeds from issue of share capital



Seed round work programme

Main technical milestones toward our in-orbit demonstration



2025

Payloads
Realization

Realization of two
payloads representing
the technological core of
the full system

2026

Payloads
Validation

In orbit validation
of our payloads

2027

System
Demonstration

Satellite to satellite
power transmission



Andrea Villa

Chief Executive Officer

Space Engineer
Executive MBA in
Innovative Technologies



Anna Mauro

Chief Technology Officer

Space Engineer
PhD Candidate in
Photonics Engineering



Domenico Edoardo Sfasciamuro

Chief Commercial Officer

Space Engineer
PhD Candidate in Mechanical
Engineering



Francesco Lopez

Chief Operating Officer

Space Engineer
PhD Candidate in
Energetics

Oris' staff



- 1 Lead Mechatronic engineer
- 1 Lead Mechanical engineer
- 1 Mission & System engineer
- 1 Electronic engineer
- 1 Business developer

oris-space.com

Technical board



Stefano Mauro

Scientific Advisor & Founder

Full professor
Politecnico di Torino

Department of Aerospace
And Mechanical Engineering

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