



SPACE ROBOTIC WORKFORCE



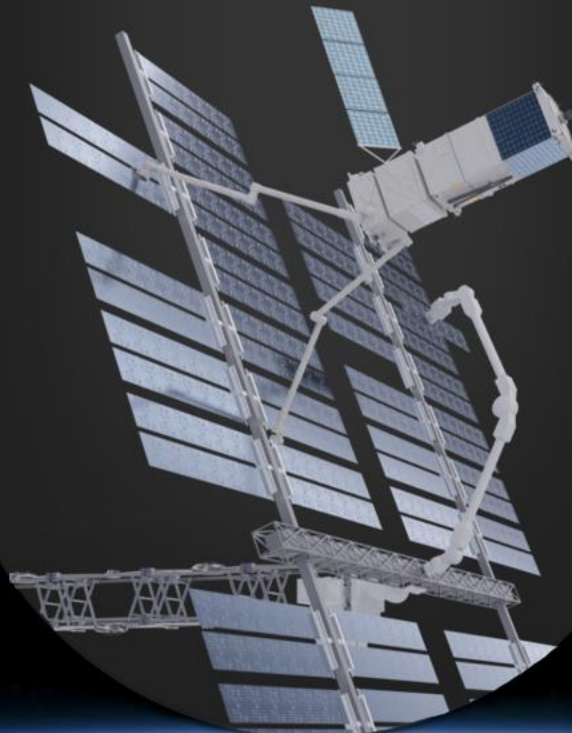
INVESTOR PITCH DECK
JANUARY 2024

RoW6 - ORBITAL SERVICES COMBINED IN ONE SPACECRAFT

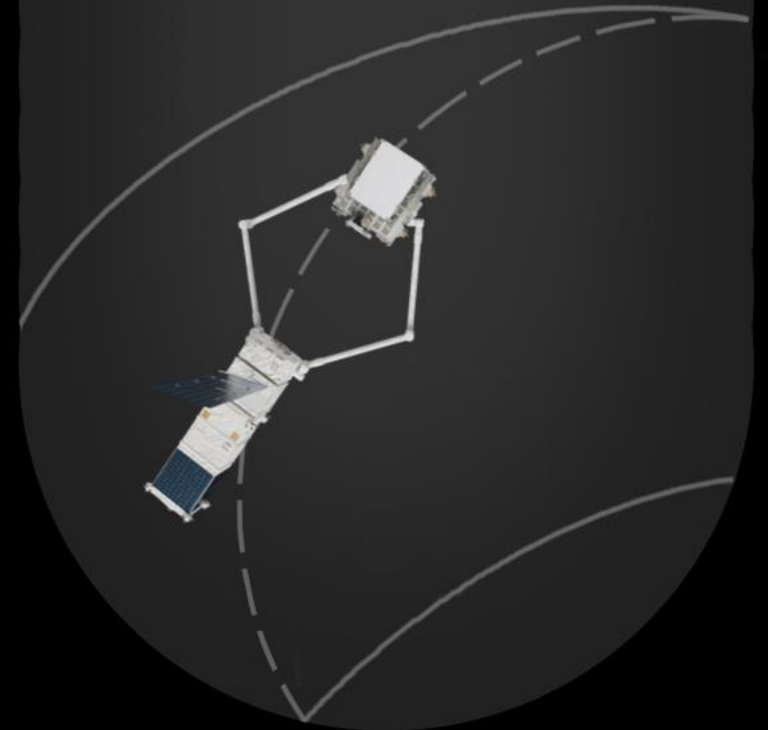
TURN-KEY SOLUTION FOR
MAINTENANCE SERVICES



ASSEMBLY OF
LARGE STRUCTURES



IN-ORBIT TRANSPORTATION &
LAST-MILE ORBITAL TRANSFER



MARKET LANDSCAPE

TAM

BY 2035

€21,2B

CAGR 17,6 %
Statista, 2022

SAM

BY 2035

€7,9B

SOM

BY 2035

€1,6B

20% Market Share

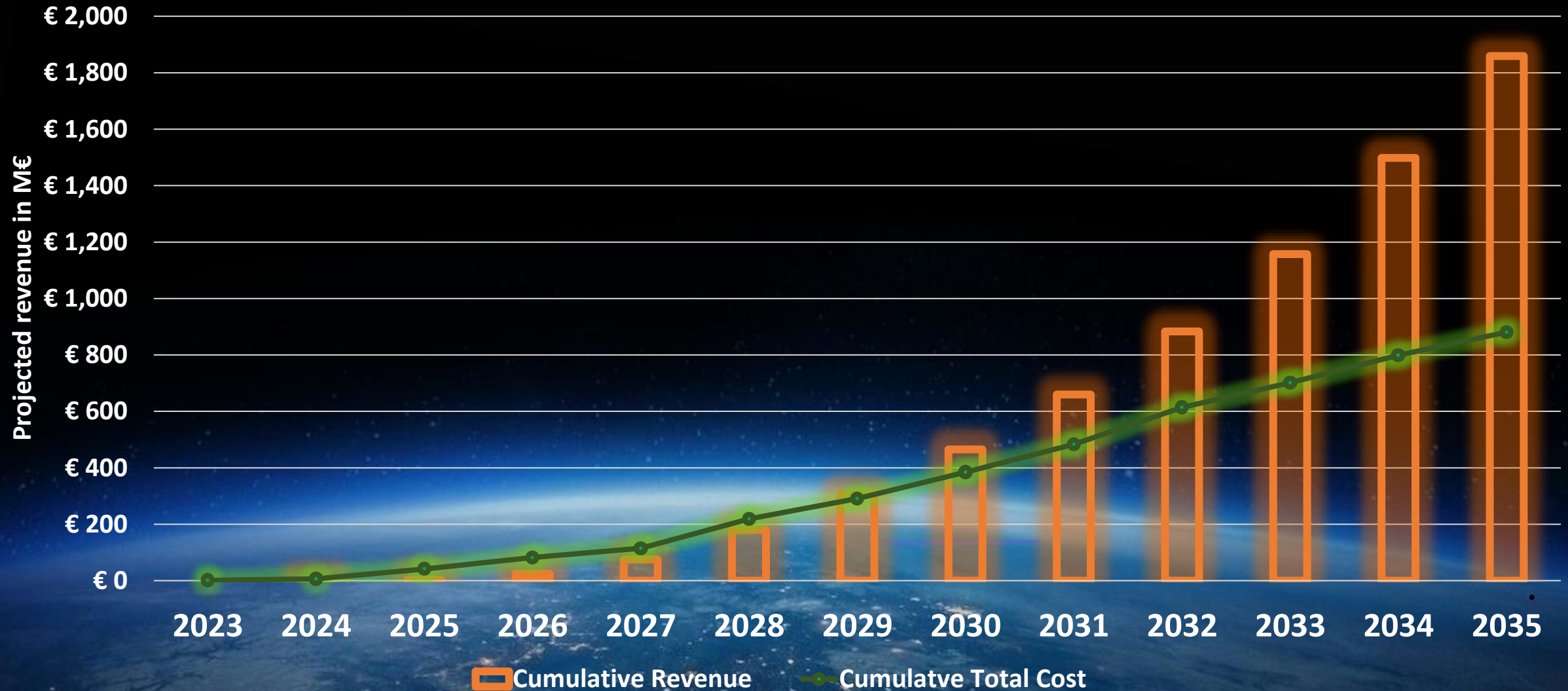
Space Logistics: €8B
ISAM incl. Large Structures Assembly: €17B
Excluding embargoed Markets (China and Russia)

Addressable Market excluding Military &
Defence applications and including orbital
limitations

Obtainable market considering a competitive 20%
market share due to competition.

MARKET PROJECTIONS

Single operating RoWo market projection (cumulative)



LEADERSHIP & THE COMPANY

OVER 200 YEARS OF COMBINED SPACE TECHNICAL EXPERIENCE

Leadership Team :



Jose Alonso
President & Founder

Serial Entrepreneur 20 years in the Space Industry, Founder of Celestia



Natalia Lemarquis
CEO

12 years of strategic leadership and management, space missions' delivery



Raffaele Vitulli
Technical Director

22 years of Technical expertise in Space Systems Engineering at ESA



Tomas Hamann
Head of Business Development

12 years in Business Development & Project Management for Market Leading Space Companies OHB, ViaSat

COOPERATION

VIRTUS SOLIS

Spherical

BEAZLEY INSURANCE

Neutron Star Systems

ATMOS Space Cargo

Company Facts :

- Founded in 2021 - Dutch Space Start-up SME
- Offices located near ESA ESTEC
- Private & Institutional Funding contracts of 3M€+
- 14 Permanent Staff, avg. MSc / person is 2.2

Industry Experience:



GO TO MARKET STRATEGY

2024

2026

2027

2028

2029+

REPAIR
SPACE ASSETS

SEED
€5M



ASTRANIS EUTELSAT GROUP inmarsat
TELESAT Viasat SES

SERVICE &
EXTEND LIFE

ROUND A
€20M



ASSEMBLE
LARGE
STRUCTURES

VIRTUS SOLIS

SPACE
SOLAR

ROUND B
€35M



THANK YOU

OUR TEAM WELCOMES ANY QUESTIONS

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APPENDIX

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RoWo – The Robotic Worker

ORBITAL SERVICES COMBINED IN ONE SPACECRAFT



COTS Approach

Scalable & modular,
cost-effective design

Versatile Sensor Suite

Inspection, ranging &
tracking by using a suite of
all-embracing sensors

Powerful Propulsion Module

Transferring large
payloads to wide range
of orbits



Innovative Interface

Fast & secure
refuelling &
docking

Robotic Arms Extended Reality Teleguided

Real-time dexterous
manipulation up to
50t of payload /
structure

Switchable Tool-set

Exchangeable robotic
tools & hands to adapt
to any situation

Component
redundancy for safety

Reusable over
multiple missions

THE COMPETITION

COMPARING ROW TO OTHER COMMERCIAL COMPETITORS - EXISTING & UNDER DEVELOPMENT



Generic In-Orbit Deployment

Last-mile Orbit Delivery

In-Orbit Refueling

Large Structures In-Orbit assembly in LEO

Long robotic arms for large payloads (50t)

Turn-key rapid response servicing

Reusable over multiple missions

Powerful propulsion reaching multiple orbits & heavy payloads

Cost Efficient Modular Design

Extended reality payload manipulation

RoWo



Orbital Tugs



X

X

X

X



X

X

LEO Dispensers



X

X

X

X

X

X

X

X

X

Other Logistics Vehicles



X

X

X

X

X

X

X



MARKET TIMING

ROW ANSWERS THE NEEDS OF RAPIDLY EVOLVING MARKET FOR SPACE SERVICES



In-Space Transportation by 2025

- Enabled by large launchers such as Starship & New Glenn,
- 7 active projects for building Commercial Space stations,
- Reusable re-entry vehicles.



Large Structures Assembly by 2030

- Net-zero CO2 by 2050 accelerates the need for Space Based Solar Power
- Large scale antennas for commercial SatCom
- CLDs, SBSP, Telescopes, Radars, Reflectors Moon/Mars surface bases

Market Pressure - NOW

- Viasat-3 Americas Deployment Failure
- Increased demand for Refuelling
- Pressing demand for Cost Reduction
- Increase in Spacecrafts servicing need



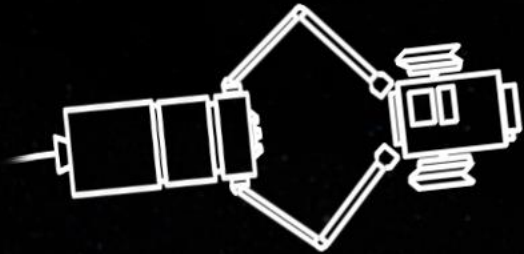
Multiservice revenue streams results in lowering the operational cost and increases customer access to services.

CURRENT LEO CHALLENGES



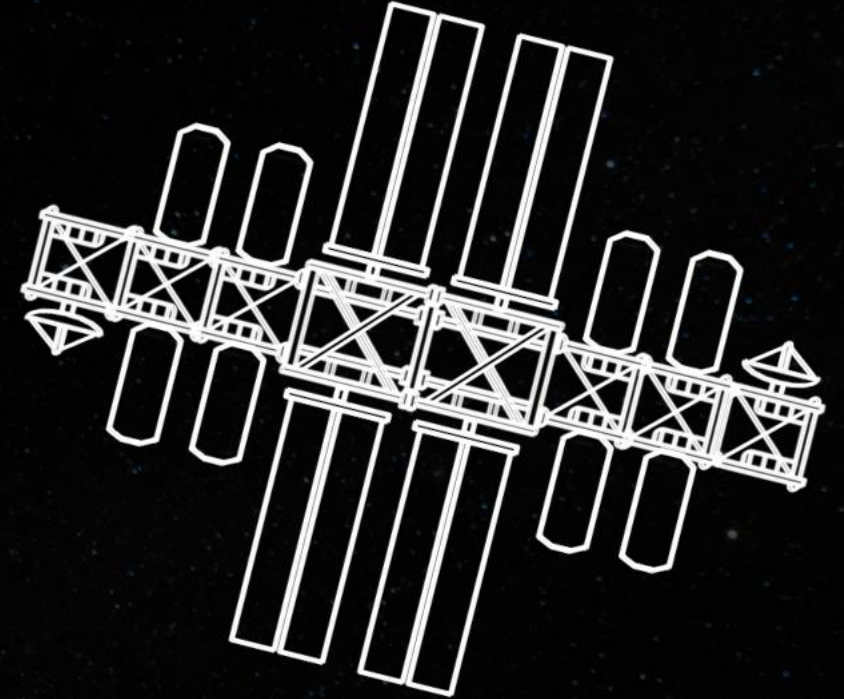
COST OF SPACECRAFT LIFE EXTENTION (OSAM)

€130M - current price for de-orbiting debris or necessity to contract multiple dedicated service providers, such as diagnostics, refueling, maintenance, inspection, repairs. Lack of turn-key solution lowering cost.



ACCESS TO FINAL ORBITAL DESTINATIONS

Spacecraft & cargo operators require low-cost and efficient in-space transportation to deliver the payloads & cargo to their dedicated orbits.



TOOLS FOR THE BIG BUILDS

Lack of in-orbit assembly solution holds off revenues from €11Bn Market for Large structures such as antennas, space stations, space based solar power.

RoWo PRODUCT ROADMAP

KEY FOCUS

DEMONSTRATOR

REAL-TIME MANIPULATION
FINE-TUNING

LARGE STRUCTURES
ASSEMBLY

INFRASTRUCTURE
SCALE-UP

PRODUCT
MATURATION

Proto-RoWo



2026

RoWo-1



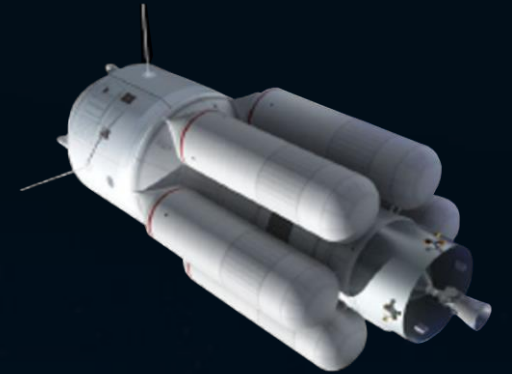
2028

RoWo-2



2030

RoWo-3



2032

CAPABILITIES

IN-ORBIT DEMONSTRATION
ROBOTIC ARMS MANIPULATION
SPACE INSURANCE SERVICES
DIAGNOSTICS
ORBIT RELOCATION
PAYLOAD HOSTING & DEPLOYMENT

REFUELING
SWITCHABLE TOOLSET DEMO
EXTRA ΔV FOR ORBIT RELOCATION
IPR LICENCING
BESPOKE MANUFACTURING
REAL-TIME PAYLOAD MANIPULATION

LARGE STRUCTURES ASSEMBLY
EXTENDED MISSIONS TO GEO
FETCH NON-COOPERATIVE OBJECTS
FLEET SCALE-UP
LARGE SATELLITE INTEGRATION

OPERATING THE FLEET IN LEO
AUTONOMOUS SPACECRAFTS
GEO AND CIS-LUNAR OPERATIONS
TRANSPORT LARGE SYSTEMS IN GEO
HUMAN TRANSPORTATION

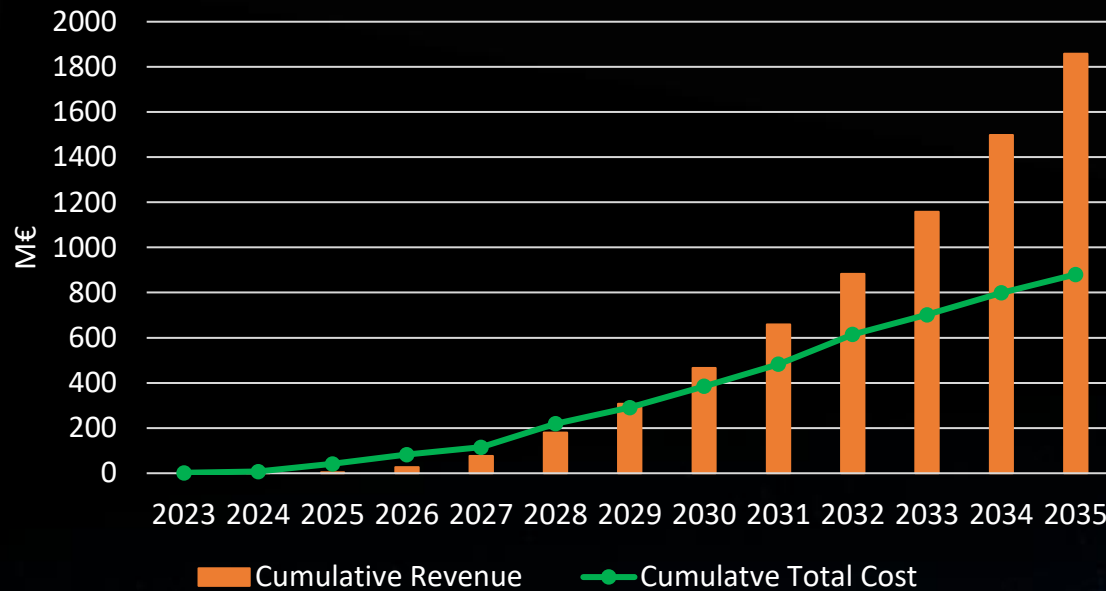
RoWo - Robotic Astronaut

VIDEO DEMONSTRATION

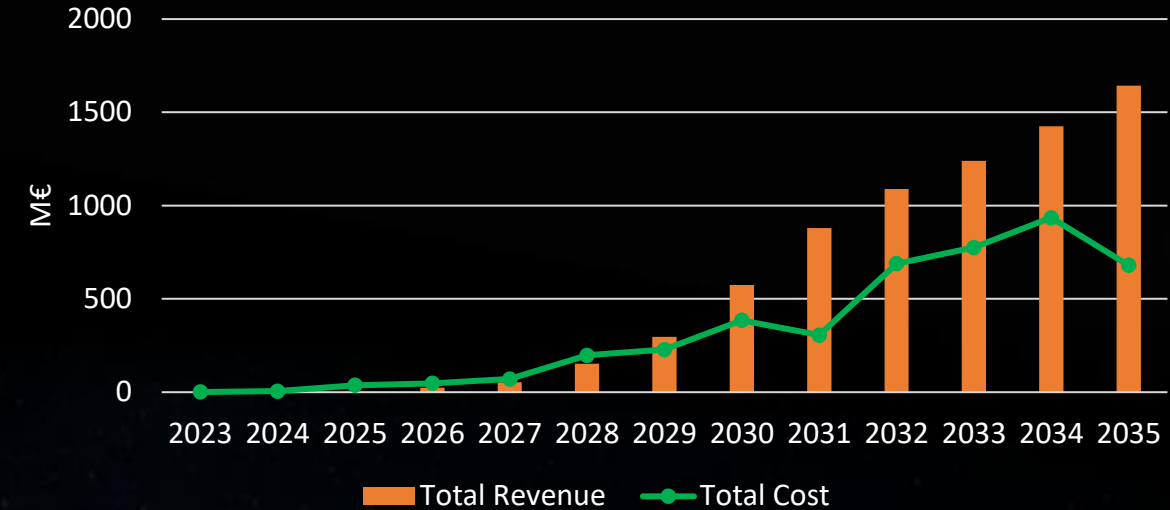


Go-To-Market Strategy

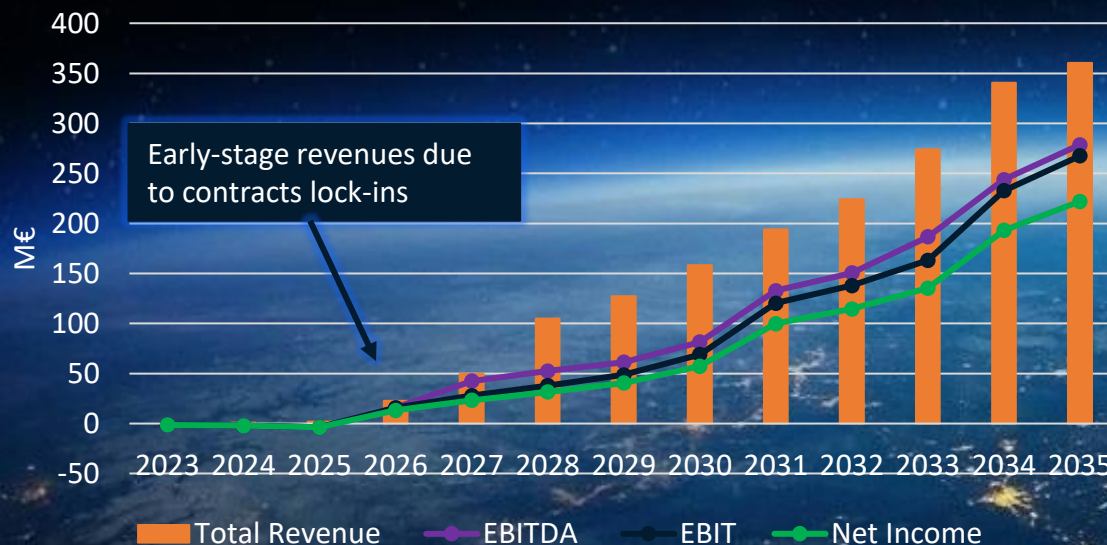
Single operating RoWo market projection (cumulative)



Market projection with 4 operating RoWos to reach 20% market share (SOM)



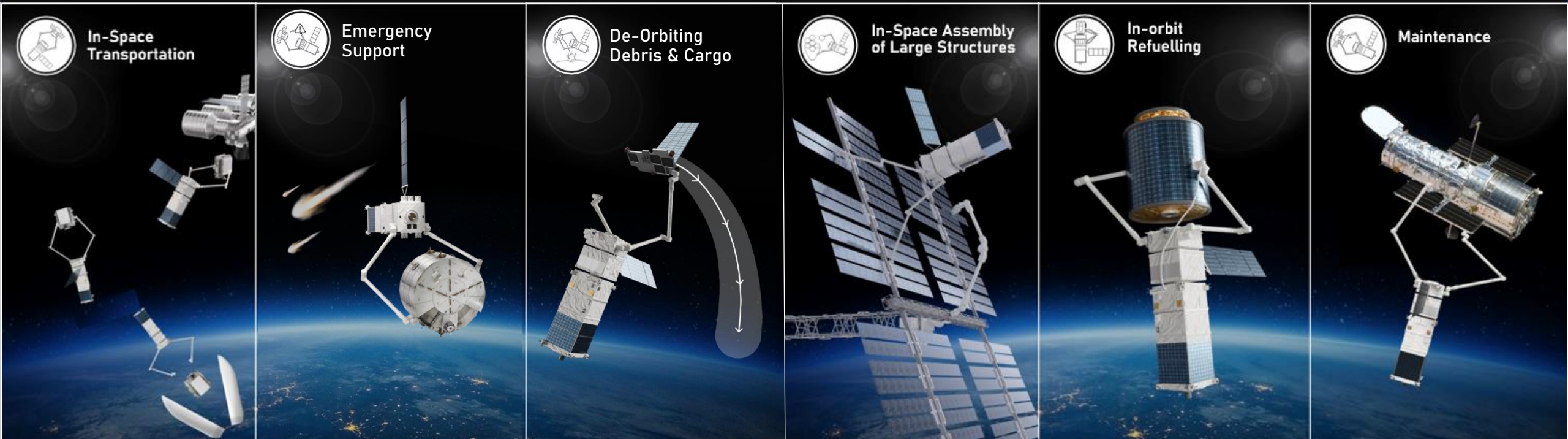
Yearly P/L Indicators for one operating RoWo



TARGET CAPITALISATION	INVESTMENT	TARGET VALUATION
SEED	€4,5M	€25 M
ROUND A	€20M	€115 M
ROUND B	€35M	€300M
ROUND C	€50M	€500M

TRANSFORMING THE MARKET

ROW6 IS UNLOCKING THE RAPID DEVELOPMENT OF UPSTREAM SERVICES:



Servicing Commercial LEO Destinations, Satellites & Spacecrafts, In-Space Large Structures Assembly, Hosting Payloads, In-Space Transportation, Refueling & Fuel Depots and providing rapid support to Astronauts in case of an emergency.

Our Business Model

Key Revenue Streams

01 Orbital Cargo Transfers

- Up to 50t payload move
- CLDs, Space Tugs, OTV,
- Re-entry Vehicles, Rovers

03 Leasing

- Customised vehicle
- Asset rental
- Serviced vehicles plans



02 Large Structures Assembly

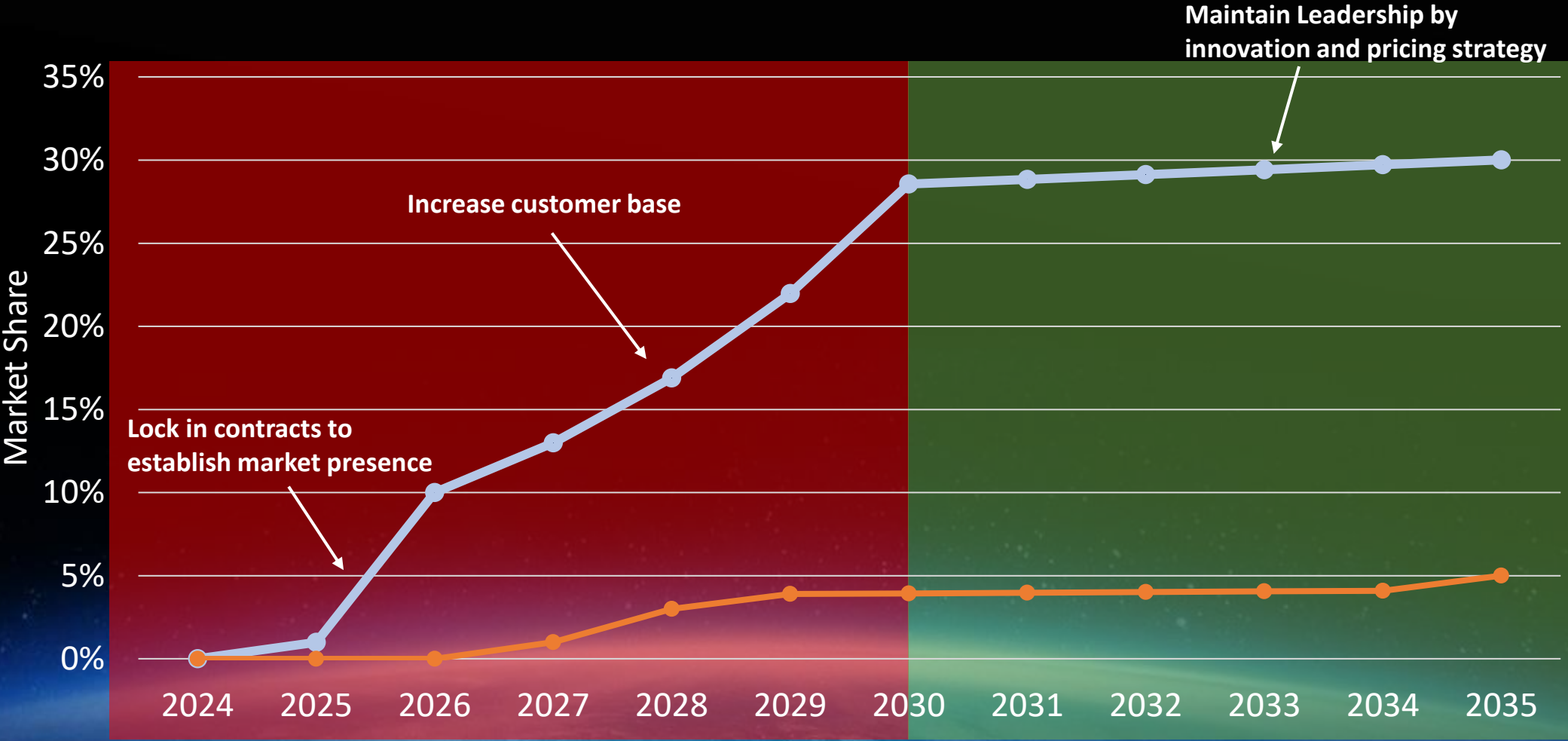
- Target Customers:
- Space Based Solar Energy Providers
- Large Scale Antennas Telecomms
- CLDs, SBSP, Telescopes, Radars, Reflectors
- Moon/Mars surface bases

04 IPR licensing

- Licensing patents
- Licensing components
- Licensing service

Multiservice revenue streams results in lowering the operational cost and increases customer access to services.
The key revenue stream from Rowo-1 business model is expected to be the orbital cargo transfers (xx%) and large structures assembly (xx%).

Winning the Race: First Mover Advantage Strategy



Quantity Competition (Cournot)



Price Competition (Bertrand)

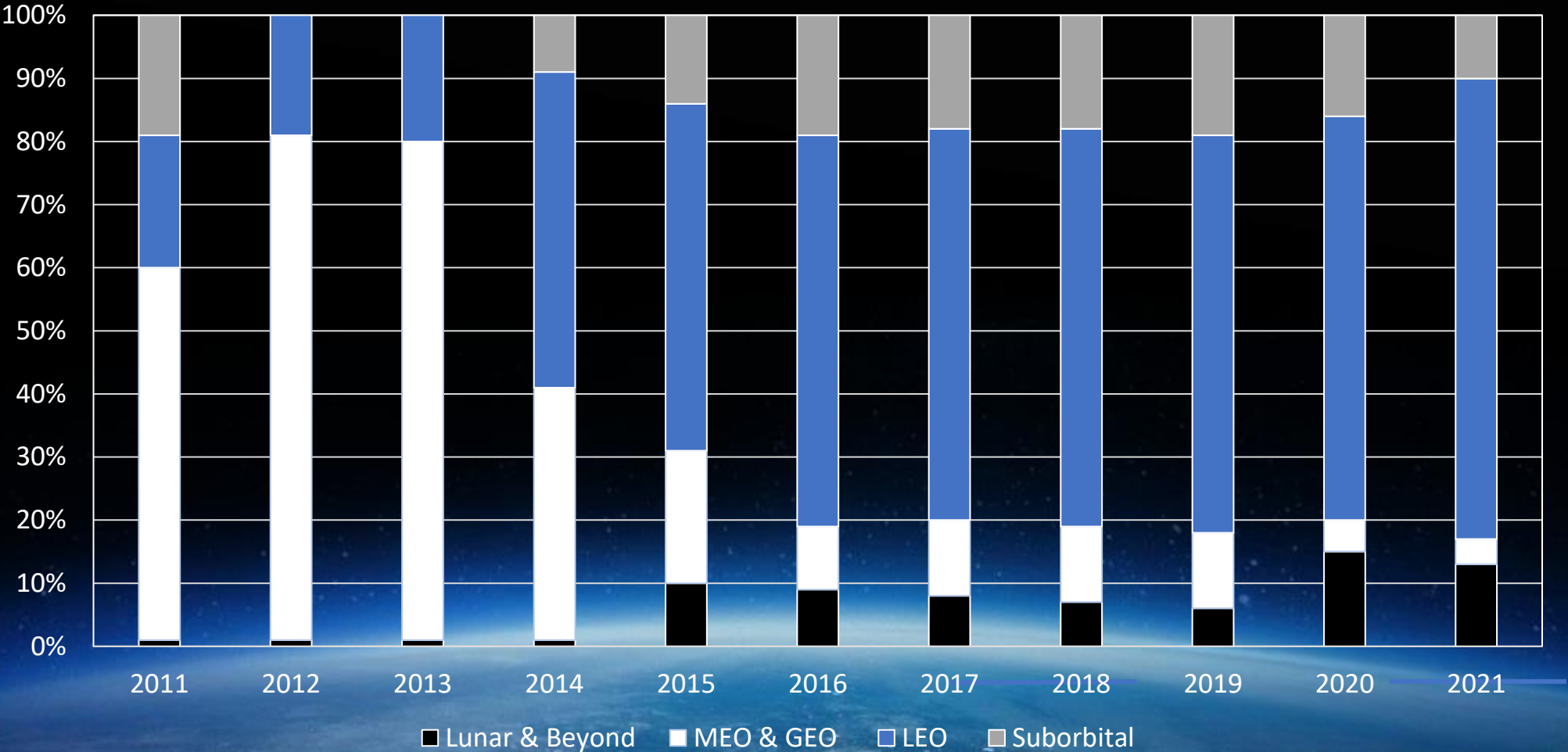


First Mover



Second Mover

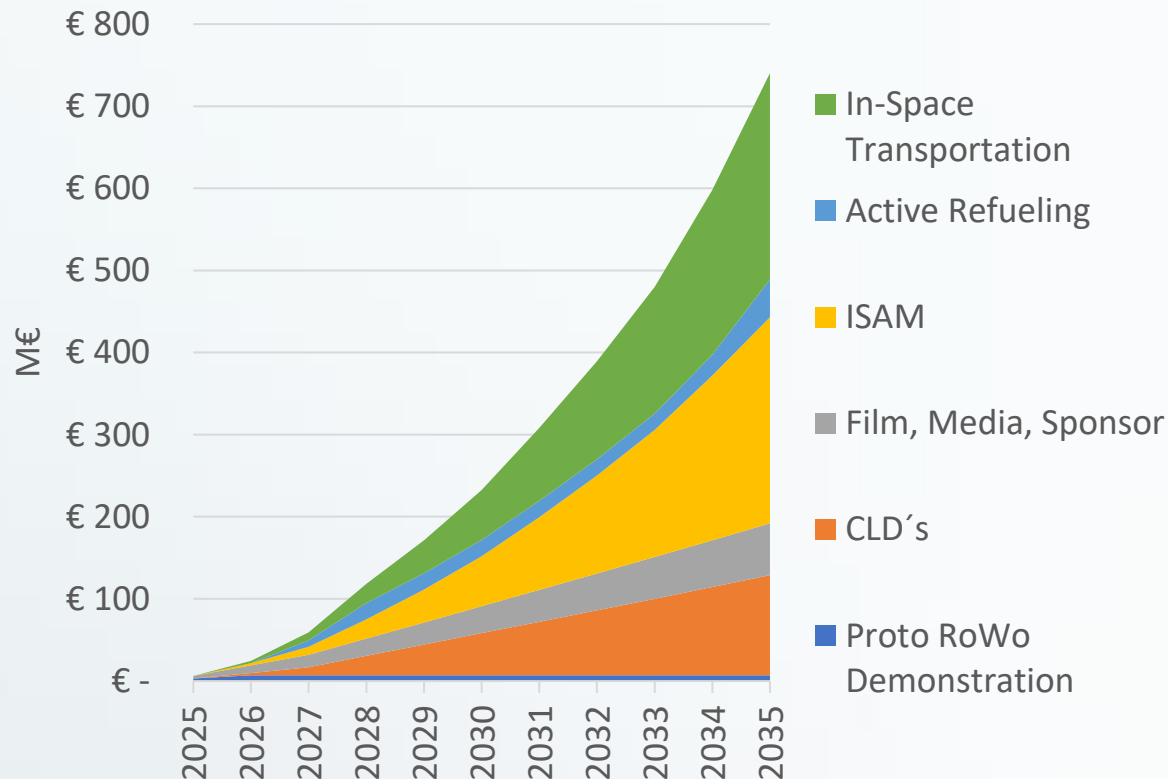
75% of the private funding for space companies shifts to LEO



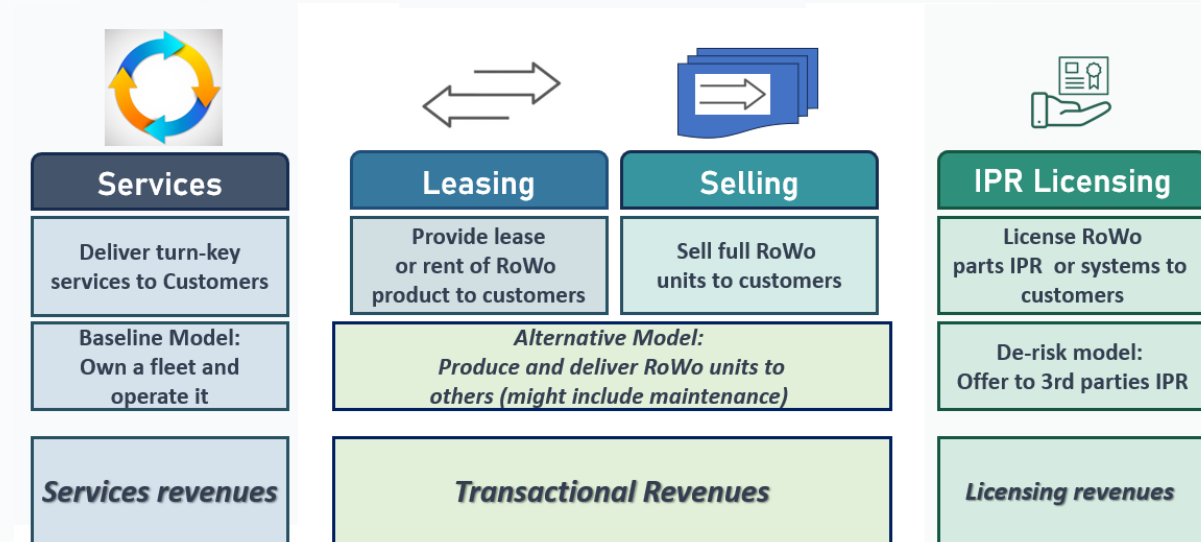
Forecasted Market Traction



Cumulative Revenue by services



Revenue Models



Comparative Benchmarking

