



Space Lego

Constructing the next generation of Marketplace

Problem

- ▶ Too much rubbish in orbit!
- ▶ Satellite Orbits getting more crowded everyday
- ▶ Space infrastructure is expensive to launch
- ▶ Space infrastructure is complex and difficult to construct
- ▶ Lack of coordination between orbit services providers
- ▶ Space junk will pollute the atmosphere and endanger lives.



SOLUTION

- A construction brick for use in space to construct an industrial facility for orbit service providers to base.
- A platform to return to for orbit service providers clearing space junk/debris rather than remain in orbit
- Reduce the need for operators to launch more satellites by using permanent facilities in orbit.
- A simple construction system allowing for versatility in design and exponential potential.
- Different space operators can work together on projects requiring a production line and Industrialization becomes easier having multiple operators together in one area
- Removes the need to de orbit satellites as they can be repaired and replaced.





ORBITAL
— LOCKER —

TRACTION

- ▶ Design Work done with the Innovate Design UK company.
- ▶ Patent Application filed July 2022.
- ▶ Trademark Application for ORBlocks prepared but not submitted 2022 – Funding constraints.
- ▶ Website & Animation explainer video live 2022.
- ▶ Access to the Regional Technical Innovator Advice program (£15k worth of expert advice).
- ▶ Industry Leader has not seen any other company doing the same thing. Positive feedback received on project.
- ▶ Accepted onto the UK Space Agency Explore program of their Accelerator & leads onto their LEO program
- ▶ Technical and Commercial feasibility study being conducted by Strathclyde university.



TIMELINE

- Q1: Initiate tie-ups with aerospace companies for potential collaborations and testing in real space conditions.
- Q2: Launch a small-scale prototype ORBlock into space for testing purposes.
- Q3-Q4: Based on prototype feedback, make design improvements. Finalize licensing deals with initial partners.

- Q1: Launch the first phase of the Locker facility.
- Q2: Integrate the ORBlocks into the Locker, testing reconfiguration and other proposed functionalities.
- Q3: Start marketing the facility for potential clients for manufacturing and deorbiting satellites.
- Q4: Research and initiate the drone space plane project.

-Q1–Q3:Finalised Design of ORBlocks and The Orbital Locker

-Q4 Begin Feasibility Study

2024



- Q1-Q2: Complete a prototype of the ORBlock.
- Q3: Conduct initial testing of the ORBlock in terrestrial environments that mimic space conditions.
- Q4: Start initial discussions with potential licensing partners.

2026



- Q1: Start development of the initial Locker facility.
- Q2: Work on development of the orbital elevator concept and its feasibility studies.
- Q3: Commence full-scale production of the ORBlocks.
- Q4: Test assembly methods for ORBlocks in space conditions.

2025



2027



2023



TARGET MARKET



Space Industry expected to reach \$540.75B by 2026 and \$1 Trillion by 2040



UK Spacecraft market £6.65B in 2023 with a CAGR of 3.95% reaching a market size of £8.07B by 2028



UK Space sector growing at 5.1% overall with an annual turnover of £17.5B. 96% of which could utilize an orbital platform

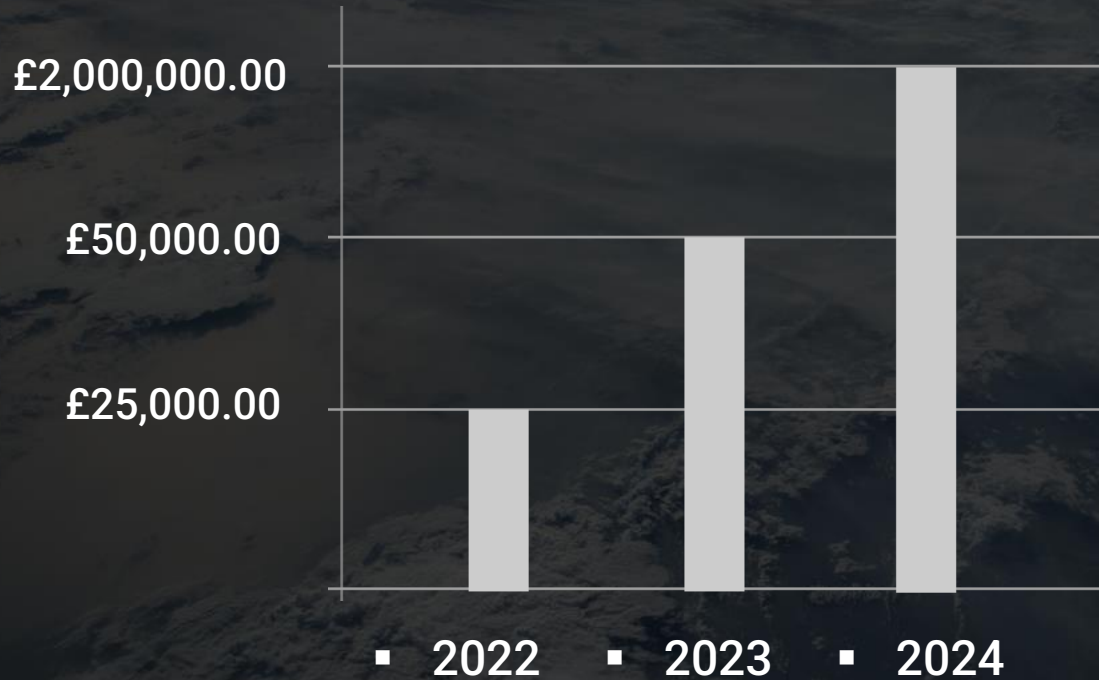


The fastest growth occurring in new space applications & industries. Space is also considered a Strategic Domain

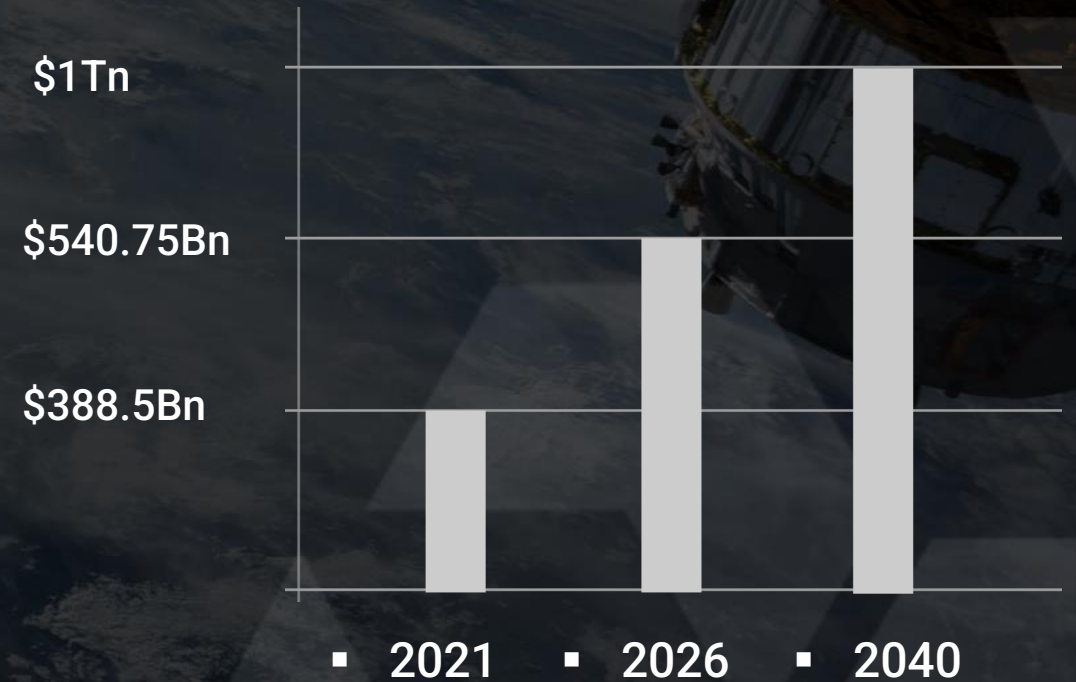


Licensing deals are on the rise, Governments are moving away from ownership and beginning to license. Allowing businesses to build & scale

FINANCIALS



Development Costs



Space Industry Market Size

- ▶ UK Space Industry CAGR 5.1%
- ▶ UK Space Industry worth £7Bn in 2022
- ▶ £635M invested in 2022
- ▶ Global Space Industry CAGR 6.84% 2022-2026
- ▶ Expected growth above GDP rate
- ▶ Space infrastructure companies drew in \$14.5Bn in Private Investment



Monetization

- ▶ Licensing of the ORBlock to Government/Military agencies
- ▶ Rental of locker modules to Orbit service providers
- ▶ Potential storage for resources in orbit can be rented out
- ▶ Energy and resource provision to spacecraft and satellites in orbit
- ▶ Eventually asteroid mining and orbital manufacturing
- ▶ 3D printing of ORBlocks in orbit for future construction



Business Model



- ▶ Produce the ORBlocks and Construct the Orbital Locker
- ▶ Locker space will be rented to orbit service providers
- ▶ ORBlocks can be licensed to Government agencies
- ▶ Services, Maintenance, Product sales, License deals and Resource provision will generate revenue.
- ▶ Power and Data services could also be offered to clients & customers
- ▶ 3D Printing and Manufacturing in low earth orbit to reduce launch costs
- ▶ Drone charging station & Refueling Depot are potential future revenue streams
- ▶ Potentially 26 spaces in each Locker
- ▶ Networking at the Westcott space centre, attending webinars and speaking at conferences to promote the company
- ▶ Partner with companies like Rogue Space Servicing, Reaction Engines, Rolls Royce, Space Forge



TEAM



CAMERON MARGETTS - Founder

Worked with Innovate Design Uk Ltd

- Concept development
- Commercialisation potential
- Patent application & Submission
- Trademark application

Looking to work with the **Satellite Applications Catapult** through their incubator & accelerator program.

Feasibility study being conducted by Strathclyde university.

Studied applied sciences at university but have learned more outside of school. Having Aspergers syndrome I began to focus on the space industry and developed a very strong interest in the future potential that would arise from it.

Professional qualifications in Wealth management and investments and currently studying some Udemy courses on space entrepreneurship and satellite engineering.

I am a Natural Problem Solver. I have an ability to find solutions where others cannot. I have spent the last year developing this idea and unfortunately, I am on my own. I have successfully gained grant funding and credits for expertise to the value of £30,000 and believe I can access another £150,000 in grant funding after the feasibility study in addition to gaining access to the LEO program of the UK space agency's accelerator. So far, I have managed to establish my business, set up a website and company email, I have had design drawings and digital images created along with filing a patent application and having a trademark application prepared. I believe myself to be adaptable and capable of learning what I need to get the project to succeed. However, as much as I believe I am capable of anything, anything isn't everything. I know where I am limited and need help, so my current objective is to seek out the skills missing from the project. Currently I believe I am the only person looking to develop an industrial platform in orbit, which makes me think I am on the right path.

I am also the author of a book called 'Politicians Lie', I would like to provide you with a digital copy as I feel it will help understand how I think and solve problems.

I have also been a single Father of 2 for the last 7 years and have built this business while being the sole custodian of my children. I am hoping to build a legacy for them to inherit.

Ask

- Investor looking to leave a legacy.
- Development funding £1m first year, £5m year 2/3 & £4m year 4/5.
- Help with finding the right members to join the team.
- Advice & mentorship through the business development.
- Assistance with Business relations
- Up to 10% stake in the business



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THANK YOU

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