RHEA SPACE ACTIVITY UK

Know What Others Can't

September 2026

EDINBURGH · WASHINGTON DC · BOULDER · SYDNEY

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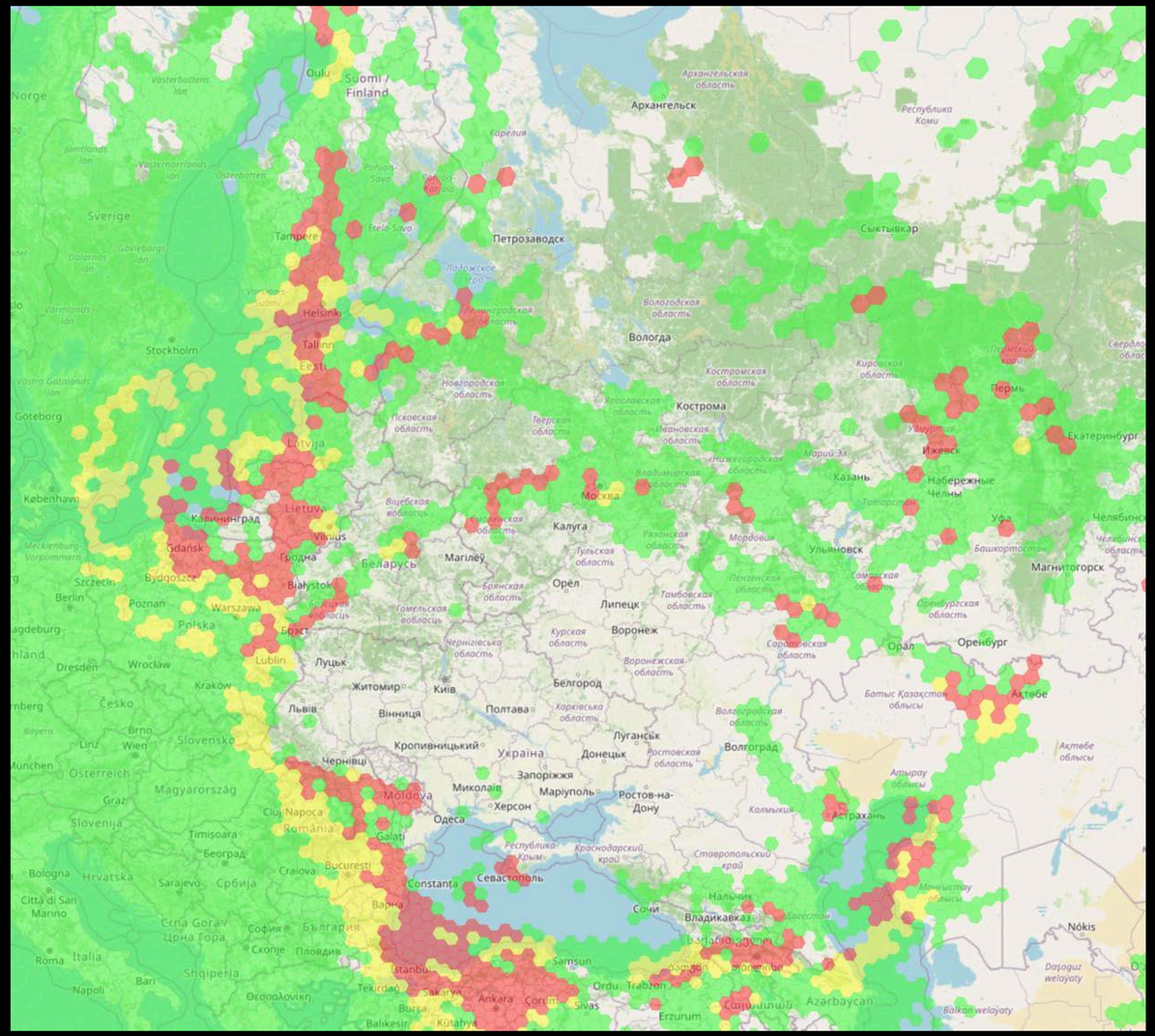
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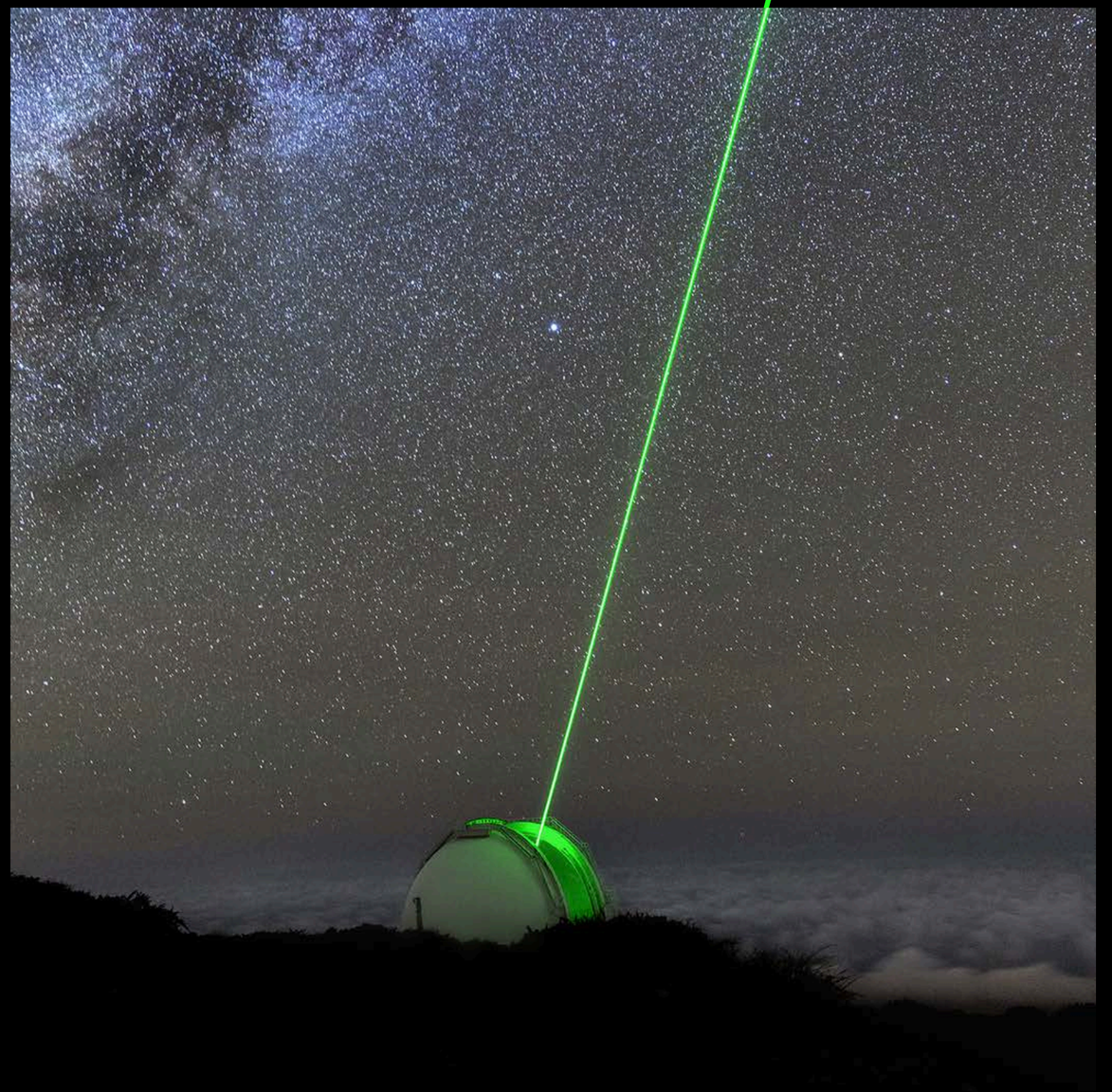


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Augmented Celestial Navigation & Quantum Secure Communications

GPS-navigation and radio communications are the past





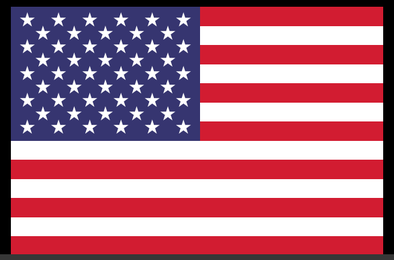
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Opportunity for UK Investors

Investment into RSA UK results in equity ownership of both RSA UK and RSA US

UK Investor

£1.5M





Ownership	£1.5M in RSA US	Ownership	£1.5M in RSA UK
0.2%	£75M Pre-Money Valuation Investor Receives 0.5% of RSA US	15%	£10M Pre-Money Valuation Investor Receives 10% of RSA UK

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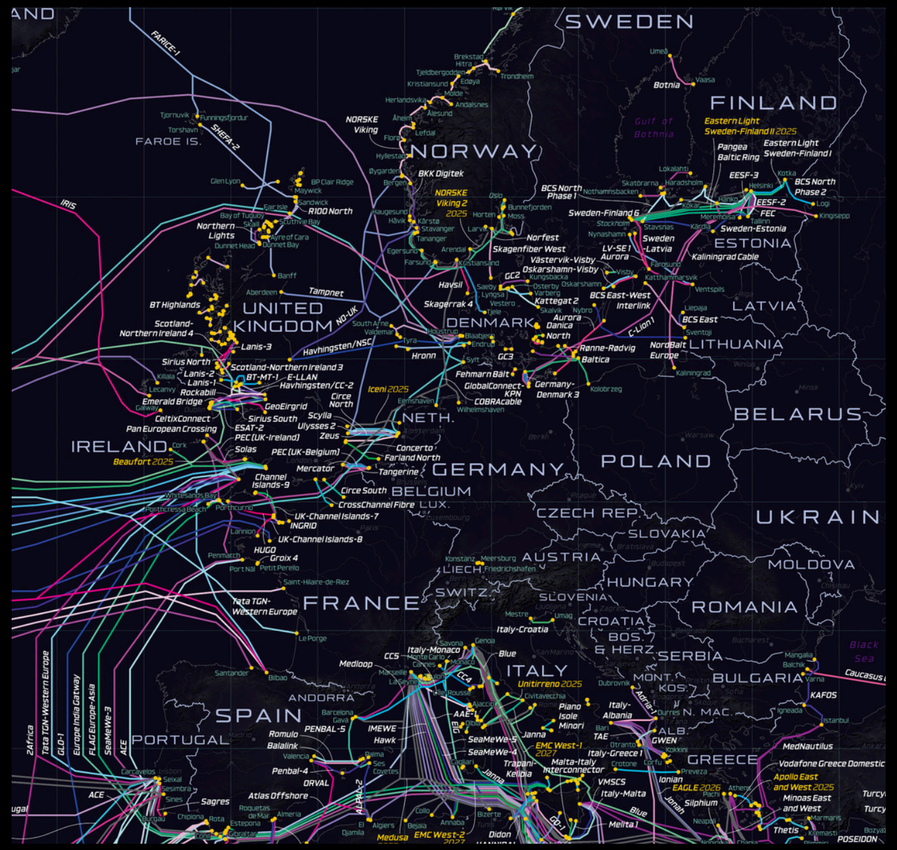
RSA’s Tech-Stack #1: Quantum Lovelace Optical Augmentation Kit (QLOAK)

Quantum key distribution (QKD) encrypted laser comms

QLOAK



Quantum Entanglement



Global Quantum Telecommunications



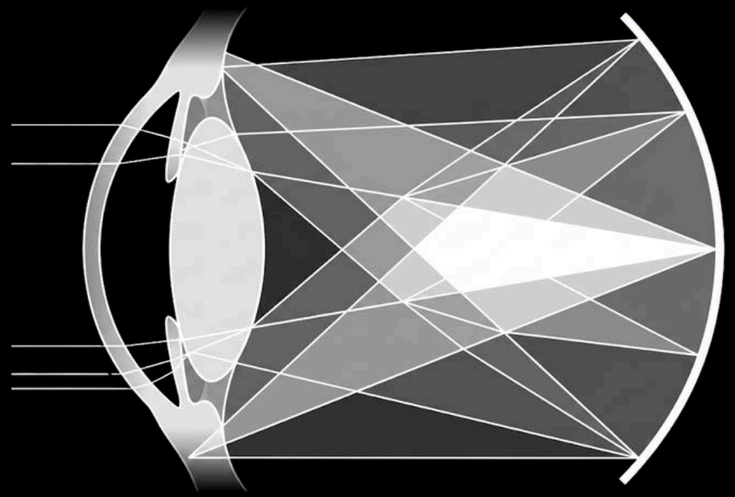
Proven in 2022 for SOCOM in Norway

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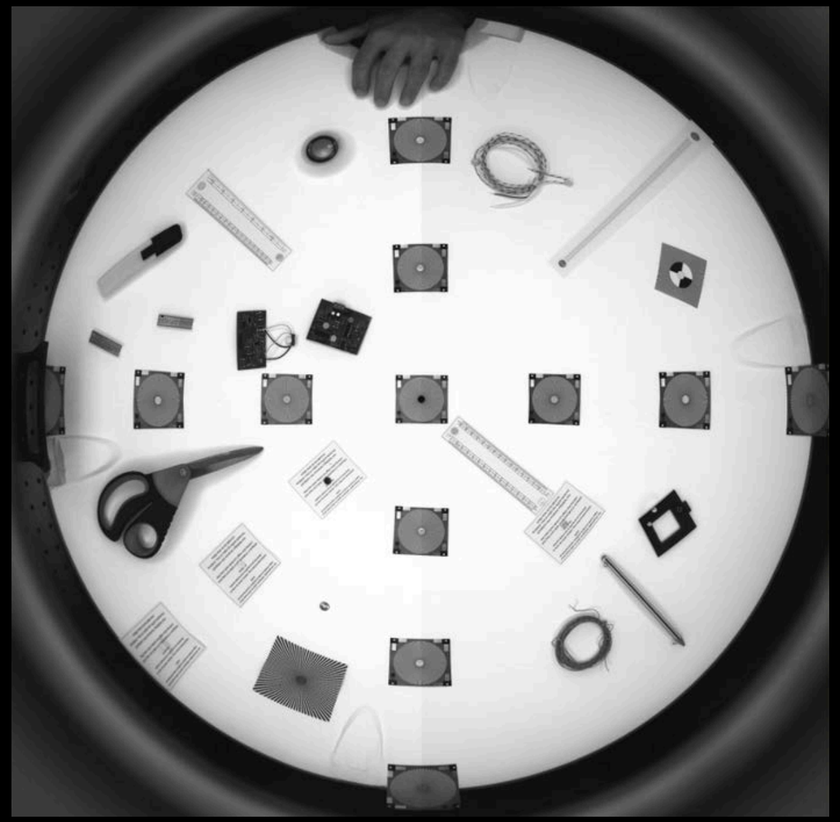
RSA's Tech-Stack #2: Bio-Inspired Curved Semiconductor Manufacturing

French developed semiconductor manufacturing brought to the UK

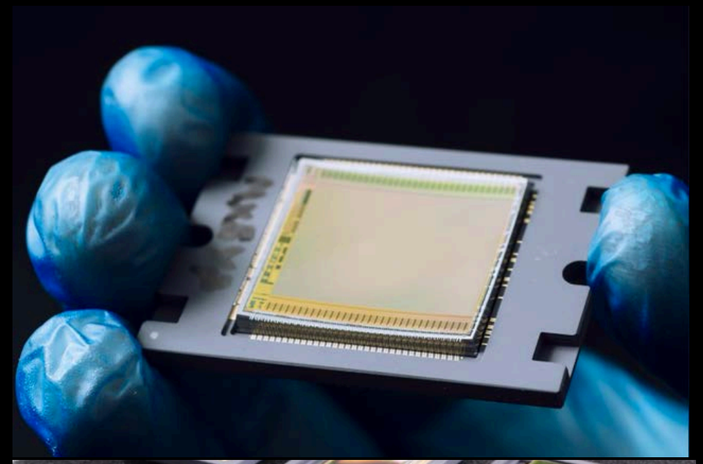
Curved Image Sensor

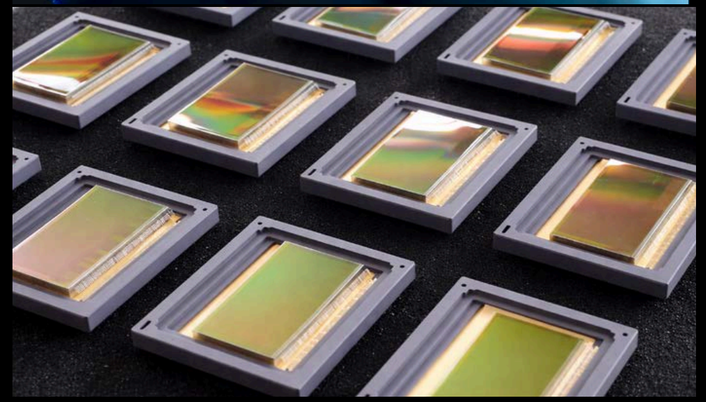


40% Decrease in Optics



180° Field of View





Zero Distortion

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RSA's Tech-Stack #3: AutoNav is a Deterministic Celestial Navigation Algorithm

AutoNav Mark 4 was developed by NASA & JPL for the Deep Impact Mission

AutoNav Mark 4



Mission-proven flight software

AutoNav-GL



Reliability and capability brought from space down to Earth

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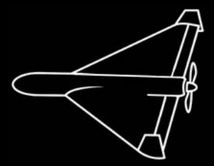
The Rhea Ecosystem: More Than a Space Company

Leading the way in reliable navigation and secure communications

AutoNav-GL

QLOAK

AutoNav Mark 4



ArcTan(D)
Drone



ArcTan(M)
Maritime



ANVIL
Cell Phone



Vanotua
Space Domain Awareness



QALEDRONIA / SCOT
Quantum Communications



Secant
Star Tracker



ArcTan(S)
Space



ArcTan(L)
Lunar

Curved Image Sensor

UNIFIED DATA LIBRARY

Space Force Data Products

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QALEDRONIA

Drone-based QKD payload and ground station terminal, field testing in Q3 2026

Contract Value

£1.5M

Time Until Completion

4

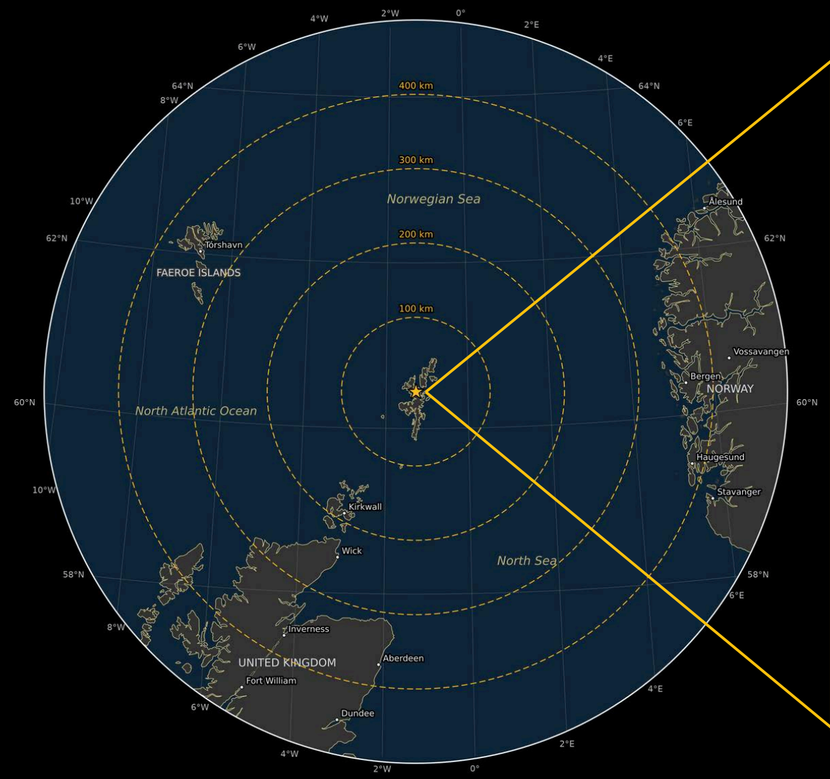
months



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The Shetland Communications Optical Terminal (SCOT)

Optical wireless communications (OWC) research and testing facility







Contract Value

£15M

Pending

25-year Lease

1100m²

Pending

Backed by Scotland

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Space / ArcTan(S)

Launched in the U.S. and landed in Australia in 2026

Price

£1.48M

+ service fees

Lead Time

12

months

2027 Sales Goal

8

units





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Drone / ArcTan(D)

Growing market with units sold to defense and commercial customers

Price

£22K

+ service fees

Lead Time

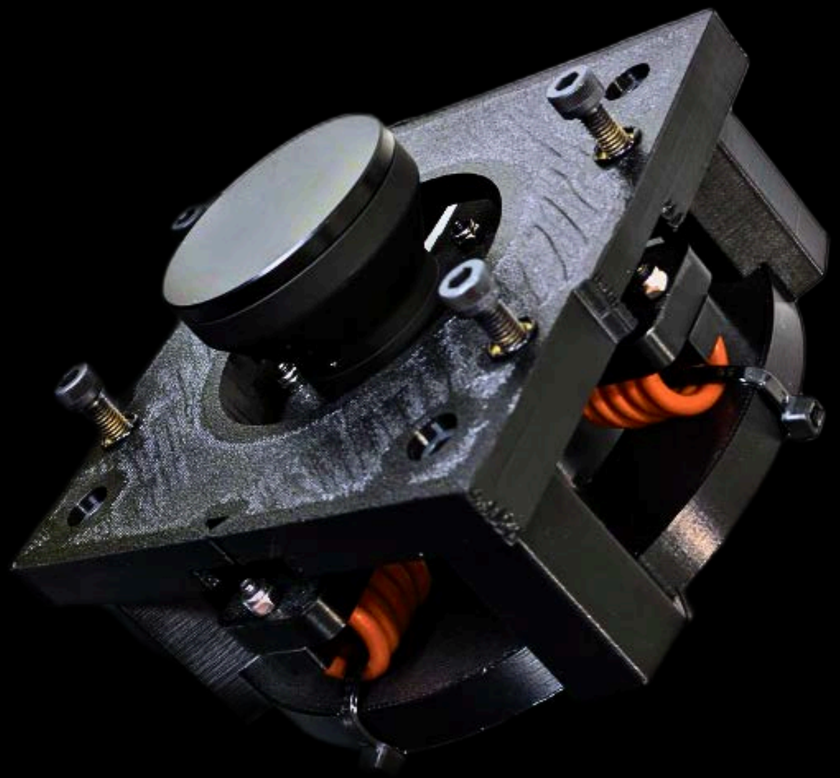
3

months

2027 Sales Goal

100

units



U.S. Department *of* Defense

Pentagon to Increase Low-Cost Drone Production in U.S.



Defense Secretary Pete Hegseth and Undersecretary of Defense for Research and Engineering Emil Michael tour multidomain autonomous displays in the courtyard of the Pentagon, July 16, 2025.

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Maritime / ArcTan(M)

Specifically designed for commercial cargo vessels

Price

£37K

+ service fees

Lead Time

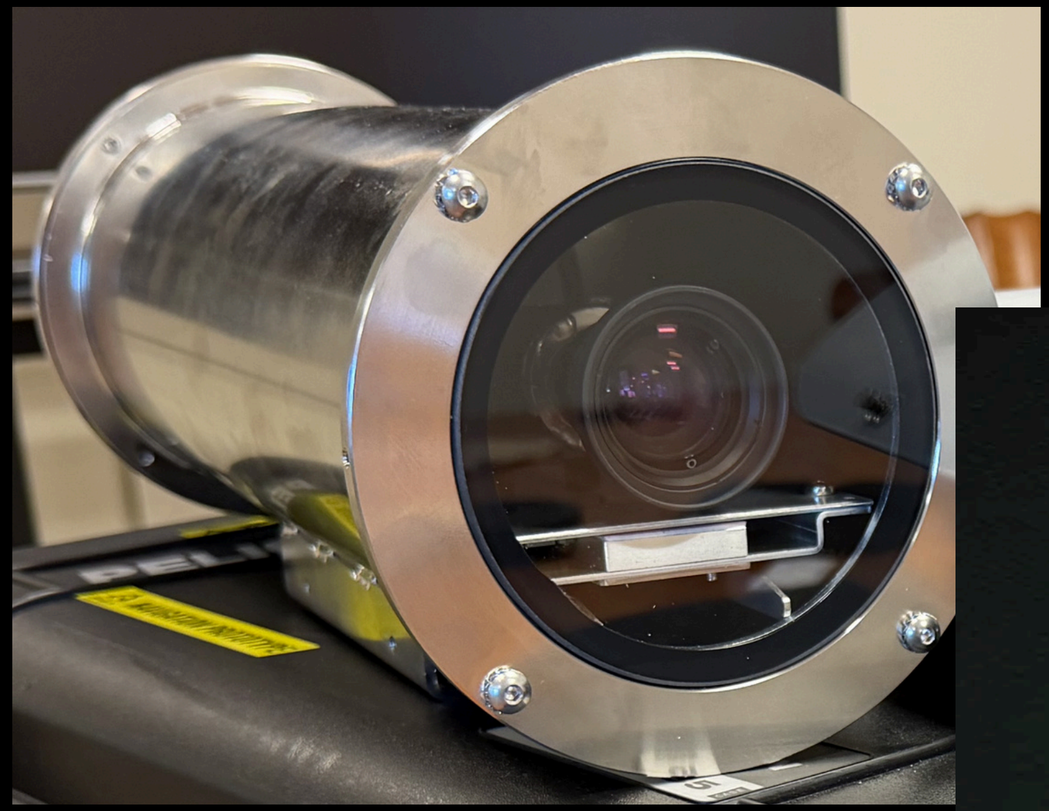
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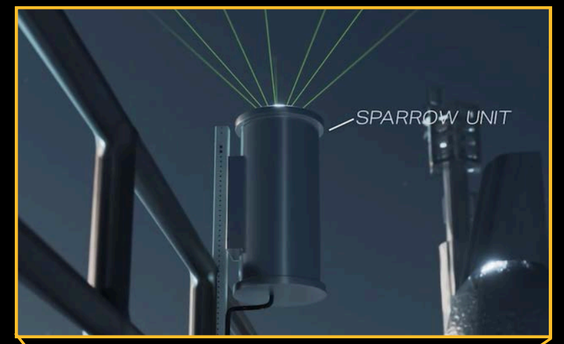
months

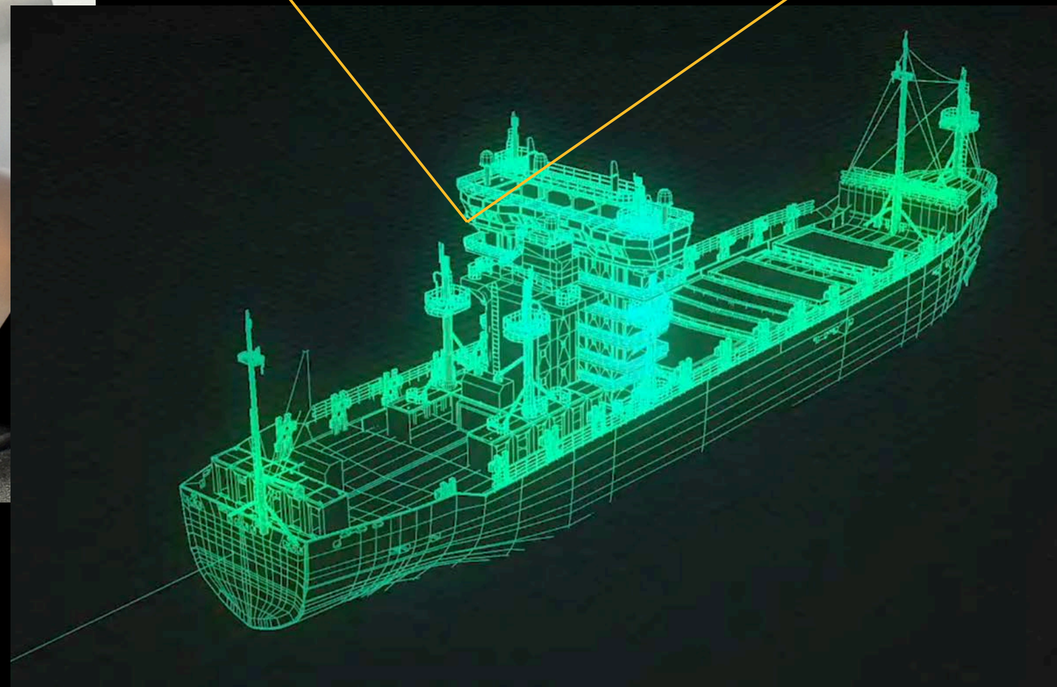
2027 Sales Goal

10

units







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Rhea Space Activity UK Team

Quantum sensing acumen combined with deep-space discipline



Dr. Shawn Usman

CEO & Astrophysicist

Former U.S. intelligence officer. 10+ years federal service developing high-risk / high-reward technologies for the intelligence community. Pioneer in particle physics, IR satellites, LIDAR, and cislunar operations.



James Matthewson

UK Director

Former UK Labour Party spokesman who worked as a political adviser in the UK Parliament. After leaving Westminster, James has worked as a Broadcaster in Television and Radio, regularly appearing on the BBC, Sky News, ITV, and LBC.



Eden Ferguson

Quantum Program Manager

Specialises in quantum sensing, optics, laser systems, and microwave engineering. He graduated from Heriot-Watt University with a First Class MSc in Physics, where he worked on diamond NV-centre technologies.



Nina Marić

Astrophysicist

Specialises in image processing of space debris. Also experienced in orbital risk assessment implementation, manoeuvre decision processes, and identifying space object trails in telescope images.



Dr. Tom Douglas

Astrophysicist & Software Engineer

Founder of Curve One, a France-based curved-sensor leader for aerospace & defense. Founder of STEN Venture Capital. 20+ years scaling disruptive industrial tech across European and U.S. ecosystems.

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