Joules Space Technology

We Make Space Human Friendly

Pitch Deck

Artificial Gravity Space Station EO

Transforming Space Habitats
for Humanity and Industry.

Jules Ross, CEO, Founder, Lead Designer
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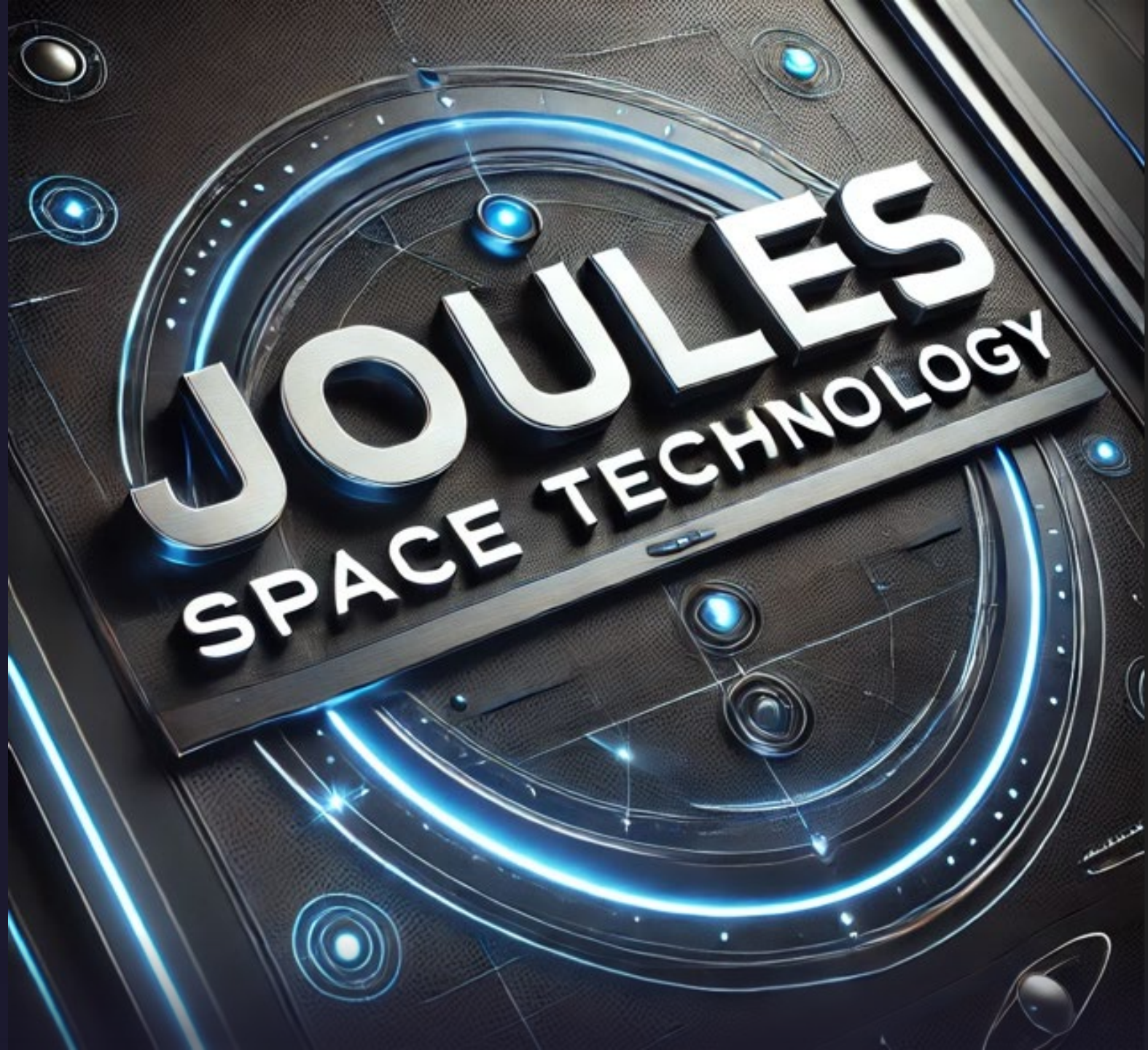


The Problem:

Space is Hostile to Humans

- Space Radiation
- Isolation
- Distance from Earth
- Gravity Field
- Hostile/Close Environment

Current space habitats neglect gravity, leading to muscle atrophy, fluid shift, and psychological stress.

The Solution:

Space Station EO Features

Our rotating station provides Earth-like gravity and essential human comforts:

Electromagnetic Radiation Shielding

AI-managed Life Support & Mission Control

Closed-loop Water and Food Systems

Private Rooms to enhance mental well-being

Immersive Earth Lab with real-time Earth visuals/sounds

Market Opportunity

A $1 Trillion Opportunity

Total Addressable Market (TAM): $1 Trillion by 2040

Earth Observation (EO) Market: From $6.8B (2024) to $14.6B (2034), CAGR 8%

Satellite-Based EO: $4.04B to $5.54B by 2029 (CAGR 6.5%)

JST targets 0.6%–1% market share via exclusive government/research contracts and defense/pharma R&D

Unique Value Proposition

Joules Space Technology stands apart from the rest

Feature	JST	Axiom	SpaceX	Vast	Blue Origin
Artificial Gravity	✅	❌	❌	❌	❌
Electromagnetic Shielding	✅	❌	❌	❌	❌
Private Quarters	✅	❌	❌	❌	❌
AI Life Support Ops	✅	❌	❌	❌	❌
Dual-Use Earth Tech	✅	❌	❌	❌	❌

Technology and Innovation

Key Innovations Driving Success

- Rotational Gravity: 110-ft radius at 5 RPM
- Electromagnetic Field Generator: Radiation protection
- Suspension System: Stabilizes habitat motion
- Dual-Environment: Rotating 1g & non-rotating 0g zones
- Advanced Materials: Kevlar, Carbon Fiber, Mylar, 6061-T6Joint
- Locks & Hinges: Expansion-ready modular structure

Traction and Milestones

Progress So Far

- Designed look and brand of JST
- Submitted NSF and space architecture white papers
- Secured key team members (engineers, advisors, CFO)
- Developed ISS experiment proposal ($500K model)
- Produced promotional videos for investors
- Developing shower system, furniture, galley, and station model

Team

Building a World-Class Team

Jules Ross – CEO, Founder, Designer

Alton Weeks – CFO/COO

Bryan Zetlen – Space Operations Manager

Dave Ruckel – QA/Systems Engineer

Mohin Patel – Data & Visualization Lead

Advisors: Dr. Ted Hall (Gravity),
Dr. Molly Mulligan (ISS), Prof. Torin Clark (Coriolis)

Business Advisors: Jim Richards, Jantonio Turner

Joules Space Technology Subsidiaries

Joules Materials – Advanced composites

Joules Engineering – CAD & 3D development

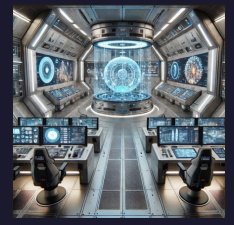
Joules Life Support – Water, air, and sanitation tech

Joules Radiation Shield – EM protection

Joules Foods – Sustainable space nutrition

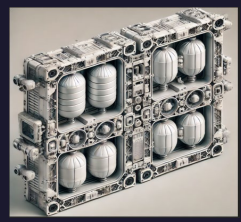
Joules Advanced Tech – R&D (Skunk Works)

+9 others building a full space ecosystem










Technology & Business Strategy

Funding breakdown for $50K pre-seed Convertible Note:

Purpose: Develop prototype, secure IP, and expand core team—key milestones to increase valuation and prepare for the next funding round.

6–12 Month Roadmap: Deliver a functioning prototype and high-fidelity animation for demonstration, validating core artificial gravity systems and design architecture.

Series A (~$10M): Raise to accelerate R&D, expand engineering and operations, initiate small-scale manufacturing, and establish key partnerships or subsidiaries.

Series B (~$500M): Fund large-scale manufacturing, habitat integration, strategic acquisitions, and facility development (including orbital and terrestrial infrastructure).

Series C (~$1.5B): Support full deployment, commercialization, and go-to-market operations—positioning JST for IPO or strategic acquisition.

Series D (If Needed) (~$3B): Enable mass deployment, global partnerships, infrastructure scaling, and long-term operational dominance in human-centric space habitats.

Roadmap to Orbit & IPO

Phase 1: (6–12 months) $50K Prototype Development

Phase 2: (1 Year) $10M Series A + Partner Outreach

Phase 3: (Year 2–3) $500M Series B + Manufacturing

Phase 4: (Year 3–5) $1.3B–$3.4B Series C/D + IPO

Phase 5: (Year 5–8) Station Launch

Investor Exit Strategy
(Convertible Note-Based)

1 Conversion to Equity: Upon a qualified financing round, the $50K investment will convert into equity at a favorable rate—based on a $5M valuation cap and 20% discount—allowing investors to benefit from early-stage risk.

2 IPO or Liquidity Event Participation: Investors will automatically convert to equity prior to an IPO or acquisition, enabling full participation in JST's valuation growth and exit returns.

3 Buyback Option (If No Conversion): If no conversion occurs within 18–24 months, JST may offer a repurchase option (e.g., 3–10x principal), based on milestones achieved—providing a capped but significant return.

4 Optional Early Repayment (Founder-Friendly): JST reserves the right to repay the note with accrued interest prior to conversion, if both parties agree—preserving flexibility while honoring early investor support.

Why Now:

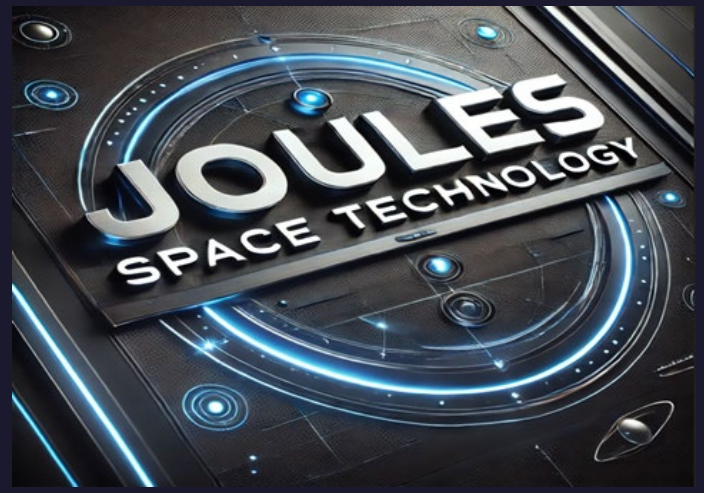
NASA is transitioning to commercial LEO partners

All JST competitors still use 0g environments

Mental health, radiation safety, and private quarters are now key drivers

Earth Observation, pharma, defense sectors need exclusive research space

JST is the only company ready to meet these needs



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