

EOS ATOMICS

UNLOCKING THE POWER OF FUSION



PRE-SEED UPDATE – AUGUST 2026

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01 The Problem



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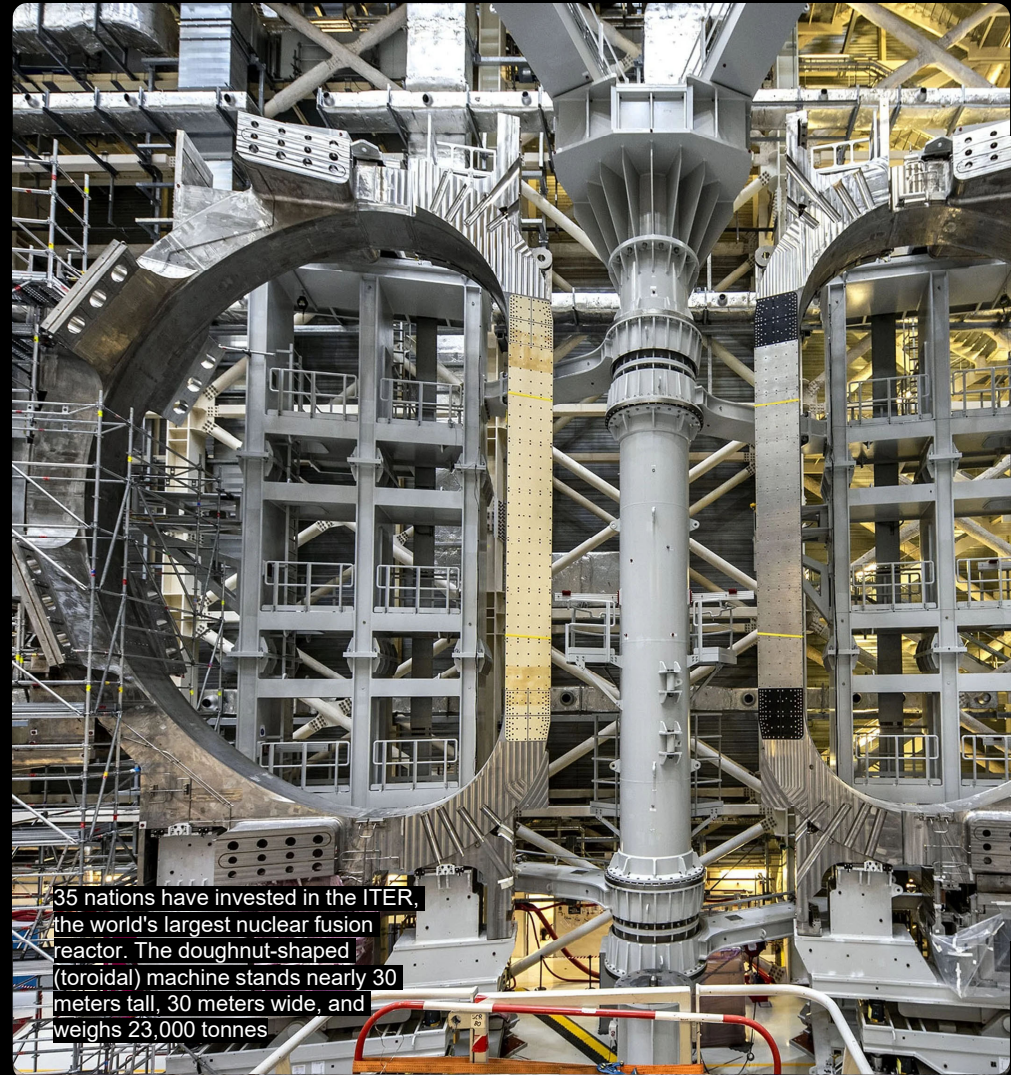
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The Problem

Fusion reactors will work but will be incredibly expensive.

Initial capital costs are staggering – with projected energy costs **far above competitive market rates**¹.

¹ Griffiths, Thomas, et al. "The commercialization of fusion for the energy market: a review of socio-economic studies." *Progress in Energy* 4.4 (2022): 042008.



Current fusion approaches ignore commercial viability.

\$0.10 / kWh

LIKELY NEAR TERM
RENEWABLE ENERGY COST ²

² Lee, C.-Y., & Ahn, J. (2020). Stochastic Modeling of the Levelized Cost of Electricity for Solar PV. *Energies*, 13(11), 3017. <https://doi.org/10.3390/en13113017>

Laser-driven systems are expected to cost³
\$0.15+ / kWh

³ Hawker, N. (2020). "A simplified economic model for inertial fusion." *Philosophical Transactions of the Royal Society A*, 378(2184)

The stadium-sized National Ignition Facility at Lawrence Livermore National Laboratory uses Inertial Confinement Fusion (ICF)

Magnetic-driven systems are expected to cost⁴
\$0.25+ / kWh

⁴ Nicholas, et al. (2023). "Can fusion energy be cost-competitive and commercially viable? An analysis of magnetically confined reactors." *Energy Policy*, 177, 113511.

In operation since the 1980s, the DIII-D tokamak is the largest magnetic fusion research facility in the United States.



02 Our Solution



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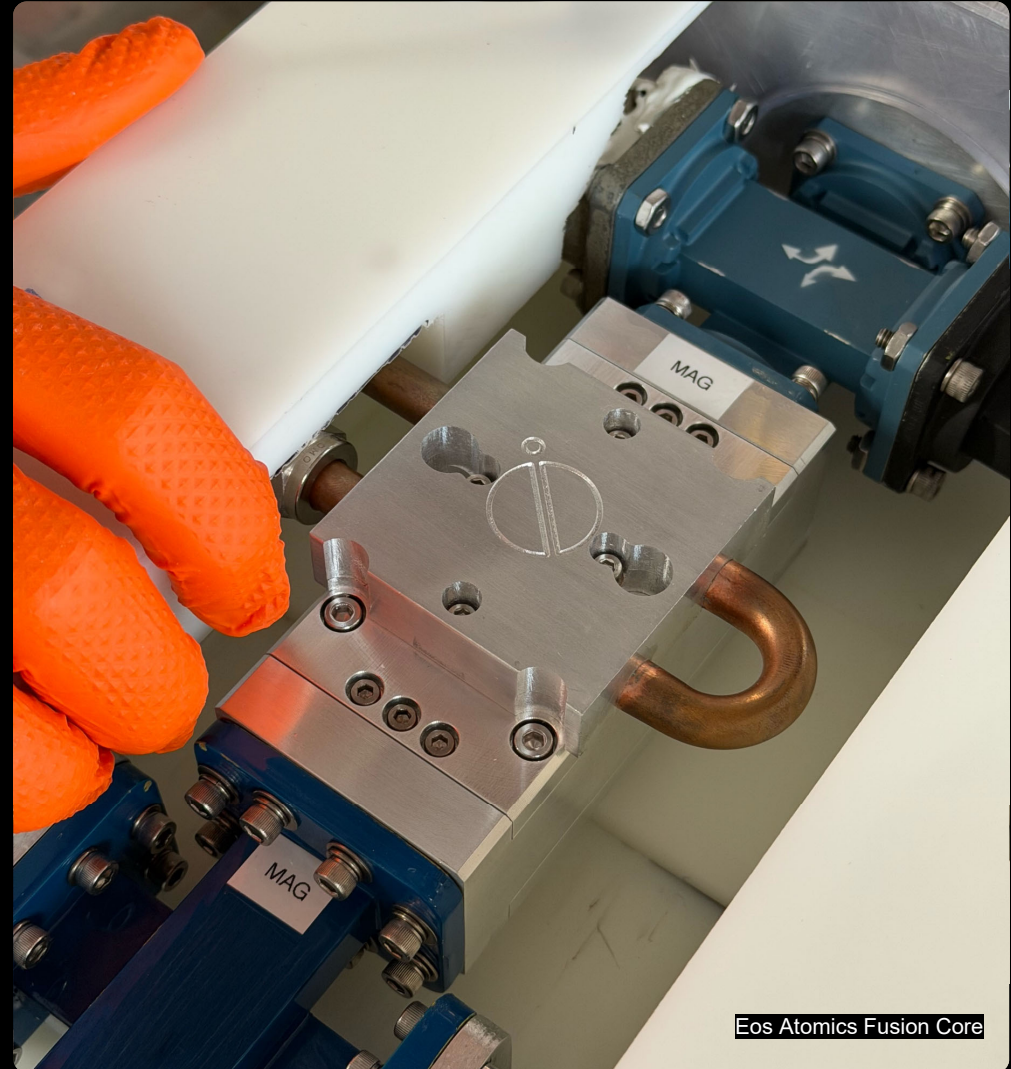
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Our Solution

Solid-State Fusion
will drive the next
great leap in human
progress by
decentralizing and
revolutionizing
energy-

Below
market rates.



Eos Atomix Fusion Core



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Small footprint.

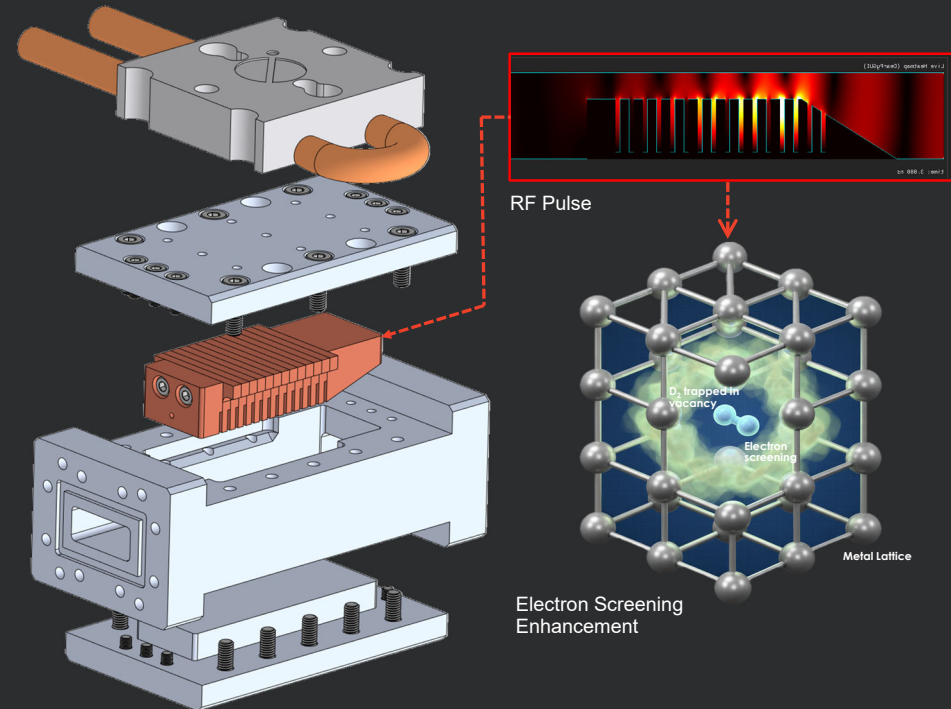
Radically reduced capital costs.

Energy density without long-lived radioactive waste

Direct Energy Conversion for low plant capex

LCOE <\$0.05 /kWh

Active Enhancement of Fusion Yield in Palladium Deuteride meta-surfaces using RF-driven Plasmons



Eos Atomics
Fusion Core



03 Our Business



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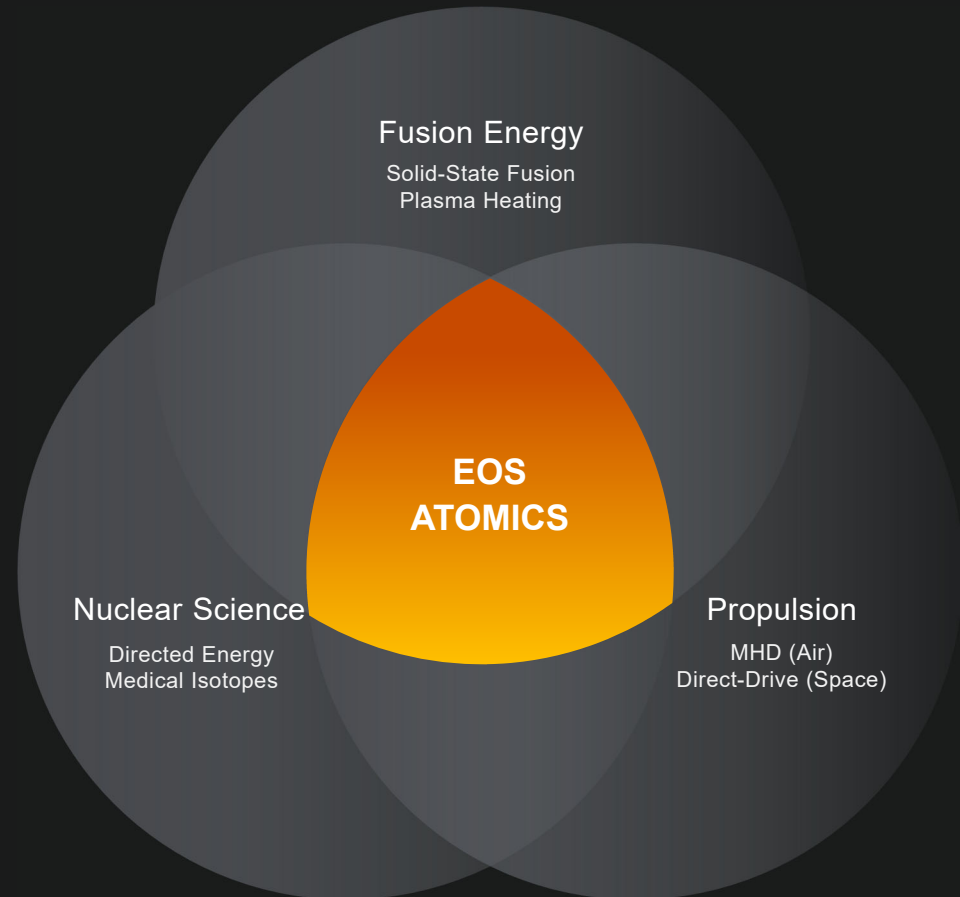
Our Business

Eos Atomics exists to organize the pursuit and progress of nuclear fusion energy.

Our end goal in the fusion energy field is ambitious – some would say impossible, and that’s just the kind of challenge we like.

There are many milestones in adjacent markets that will get us there: from Propulsion to Medical Isotopes, Plasma Heat and Directed Energy – these technologies are not side quests, but integral to unlocking scientific milestones, building a stellar team, and driving the company forward.

We keep a wide peripheral vision.



Total Addressable Market

Electricity demand is set to grow strongly through 2030 as the **Age of Electricity** takes hold - a structural shift in how electricity consumption relates to economic growth

TAM

\$3-4T

100% of the global electricity market by 2030

SAM

\$2T

Share of renewables and nuclear in global electricity generation is forecasted to reach 50% by 2030⁵

SOM

\$100B

Mobile power, microgrids, datacenters at 10MW or less

SOURCE:

[5] IEA (2026), Electricity 2026, IEA, Paris
<https://www.iea.org/reports/electricity-2026>, Licence: CC BY 4.0



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Our Market

Go-to-Market

2026

Proof of Concept

Complete DD fusion rate enhancements in RF driven PdD metasurfaces

2027

Physics to Engineering

Prove how underlying physics mechanism can be scaled to produce net electricity

2028

MVP Release

Demonstrate engineering breakeven microreactor

2029

User Growth

Deliver on early Defense contracts for mobile and microgrid power



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05 Our Team



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Company

Our Team



Dr. Ryan Weed
Founder & CEO



Connor Dietz
Engineer



Hussain Gajani
Engineer



Bridgette Hyde
Engineer



Dr. Ahmed Diallo
Advisor – Scientist,
Fusion Energy



Dr. Tom McGuire
Advisor – Compact
Fusion Reactors



Prof. Peter Hosemann
Advisor – Nuclear &
Electrical Engineering



Dr. Josh Machacek
Advisor / Consultant –
Nuclear Physicist



Dr. Craig Cahillane
Consultant – Laser
Physicist



Ian Murdoch
Intern – Nuclear Engineering

Senior Advisors / Consultants

Interns

Core Team



Senior RF
Engineer



Senior Electrical
Engineer



Technician /
Machinist

Next Hires

Technical Team

Flex Team



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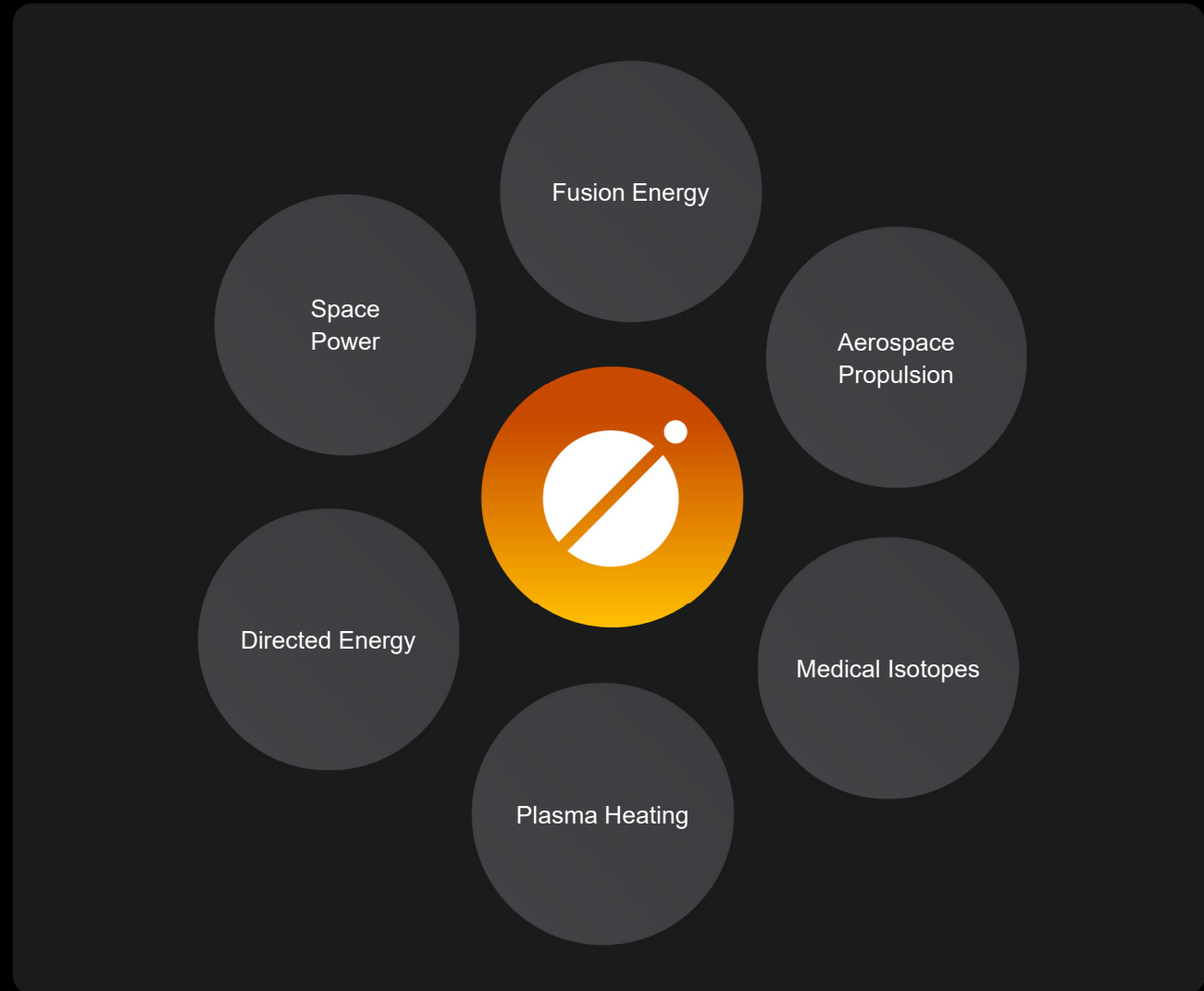
Vision

Our vision is to make
infinite, clean fusion
power a universal
reality

Eos Atomics is a deep-tech fusion startup with ambitious goals and the drive to deliver impossibly cool technology in service of a greater good.

We're a team of builders, fusion wonks, dot connectors, and creative problem solvers.

We believe that unlocking the power of fusion will transform humanity's relationship with energy and usher in a carbon-free future on our planet and beyond.





Thank you

Contact

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