FOI EQUITY, INC. · REGULATION CROWDFUNDING

Full of Ideas.
Built to Change the World.

Six inventions. Five issued U.S. patents. One Reg CF offering — FOI Equity acquires a 60% stake in FOI Group, LLC and funds commercialization of its portfolio.

David Munson, Jr., Founder & Chairman · dmunson@foigroup.com · foigroup.com

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An invention company, now open to every investor

FOI Group, LLC is a Dallas-based invention and technology-development company founded in 1999 by David Munson, Jr. It develops and licenses patented technologies in agriculture, energy and human performance. Through a Regulation Crowdfunding offering on Invown, FOI Equity, Inc. will acquire a 60% stake in FOI Group and fund commercialization of the six inventions in this deck.

FOI Equity, Inc.

Investment vehicle for this offering. Its primary asset is a 60% stake in FOI Group, LLC; the founder retains 40% and serves as sole manager.

Dedicated subsidiaries

Each invention is developed through its own subsidiary company under FOI Group, with its own partners and capital.

Long-term aspiration

A future public listing of FOI Group, with strategic sales of individual subsidiaries along the way — an aspiration, not a guarantee.

EXECUTIVE TEAM

DM

David Munson, Jr.

Founder & Chairman

Founded FOI Group in 1999; B.S. Mechanical Engineering (UT Arlington); named inventor on multiple issued U.S. patents; founder of the Get Real Alliance and author of Get Real

SF

Shawn Flatt

Senior Engineer

Co-inventor on the airship, wave harvester and hydraulic power pack patents; prototype and test lead

RS

Rasneet Singh

Program Manager

Cornell M.Eng; coordinates program development, patent analysis and business planning across FOI's inventions

Six inventions across food, energy and human performance

6
inventions in the offering

5 + 2
issued U.S. patents + pending applications

60%
stake in FOI Group acquired by FOI Equity

$0.50
per share of common stock

Zero Emission Power Combustor

Patent application filed

Zero-carbon, EMP-hardened power for critical infrastructure and energy independence

Hydraulic Power Pack

U.S. Patent 11,703,066

A backpack-portable, gas-driven 10,000 psi hydraulic power source for rescue, breaching and industrial tools

Prairie Grass Systems

U.S. Patent 11,716,935

Replacing grain-fed animal protein with a regenerative, native-grass food, energy and carbon system

Variable-Lift Cargo Airship

U.S. Patent 12,187,404

Heavy cargo to roadless places: a new airship with patented variable-density lift and lower fuel burn

Water Wave Energy Harvester

U.S. Patent 12,590,564

Turns ocean-wave momentum into steady power while calming the water behind it

Fast Twitch Muscle Trainer

U.S. patent application pending

A pneumatic robotic trainer that simulates contact-sport movements and measures force, torque and power in real time

Additional FOI Group IP

Nano-energetic steam generator (9,120,384), solar thermal storage, lightweight armor, geothermal intensification and other early-stage technologies FOI intends to develop over time.

The offering

Reg CF · open to all investors · common stock at $0.50 · $1,000 minimum · $100K target, $1M maximum · via Invown Funding Portal LLC

Zero Emission Power Combustor

Zero-carbon, EMP-hardened power for critical infrastructure and energy independence

IP STATUS
Patent application filed · supported by issued FOI patents 9,120,384 · 8,418,465 · 7,918,095

THE INNOVATION

A biomass-fired boiler power system built to keep critical loads running through grid failures caused by EMP events, cyber or physical attack, solar flares, extreme weather or intermittent wind and solar. ZEPC captures the carbon it produces and reuses waste heat, so resilience does not come at the cost of emissions.

WHAT MAKES IT DIFFERENT

Advanced boiler + dual heat transfer
Higher thermal efficiency from a compact combustor

Carbon utilization
CO_2 captured and put to productive use rather than vented

Multi-use output
Electricity, process heat and absorption refrigeration from one unit

APPLICATIONS

- Defense & military bases
- Data centers
- Agriculture & industrial cooling
- Emergency response
- Resilient communities

R&D BUDGET · $1M MAX RAISE

$80K

$50K	Complete ZEPC design and build a bench-scale combustor
$18K	Patent prosecution and freedom-to-operate review
$12K	Market validation with defense and data-center buyers

MARKET OPPORTUNITY

$95B — Global microgrid market by 2030, 17% CAGR (MarketsandMarkets)

$18B — Data-center backup generator market by 2035 (Precedence)

5,338 — U.S. microgrid projects operating, building or planned (Wood Mackenzie 2026)

STATUS
Design in progress

REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$0	$475K	$3.8M
Upside	$0	$3.8M	$30M

Sources: MarketsandMarkets Microgrid 2030; Precedence Research Data Center Generator; Wood Mackenzie U.S. Microgrid Outlook 2026 · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Hydraulic Power Pack

A backpack-portable, gas-driven 10,000 psi hydraulic power source for rescue, breaching and industrial tools

IP STATUS
U.S. Patent 11,703,066 · granted July 18, 2023

THE INNOVATION

A two-stage pneumatic-to-hydraulic intensifier that turns a compressed inert-gas cylinder into 10,000 psi hydraulic power with no engine, motor or battery. Light enough for one person to carry, it runs cutters, spreaders, rams, clamps and jacks in wet, explosive, underwater or air-free environments where powered tools cannot go.

APPLICATIONS

- Fire & rescue extrication
- Military & law-enforcement breaching
- Underwater & confined-space work
- Industrial cutting, lifting & demolition

MARKET OPPORTUNITY

$610M — Hydraulic rescue tools market by 2030 (Brainy Insights)

$16.5B — Hydraulic power unit market by 2030, 5.6% CAGR (Mordor)

$44B — Global hydraulics market by 2030 (MarketsandMarkets)

WHAT MAKES IT DIFFERENT

Two-stage auto-sequencing
High flow (2,000–5,000 psi) for speed, then 5,000–10,000 psi for force

Engine- and battery-free
Silent, spark-free operation with swappable gas vessels for unlimited runtime

Universal tool compatibility
Drives standard 10,000 psi hydraulic rescue and industrial tools

R&D BUDGET · $1M MAX RAISE

$60K

$38K	Build and test the production-intent prototype
$12K	Qualify a contract manufacturing partner
$10K	Licensing and distribution outreach (Holmatro, IDEX/Hurst, Weber)

STATUS

Patent issued · prototype development

REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$0	$209K	$836K
Upside	$0	$3.3M	$15M

Sources: The Brainy Insights Hydraulic Rescue Tools; Mordor Intelligence Hydraulic Power Unit; MarketsandMarkets Hydraulics Market · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Prairie Grass Systems

Replacing grain-fed animal protein with a regenerative, native-grass food, energy and carbon system

IP STATUS
U.S. Patent 11,716,935 · granted August 8, 2023

THE INNOVATION

PGS pairs a native prairie-grass mixture with FOI's patented automatic rotating harvester, which irrigates, plants and cuts forage from overhead without trampling or soil compaction. The result is year-round, high-quality forage for cattle and other livestock, biomass for energy, and deep-rooted grasses that sequester carbon and rebuild soil.

APPLICATIONS

- Grass-to-consumer beef (PGS LLC)
- Dairy, swine & poultry feed
- CO_2-enriched hydroponic vegetables from manure biogas
- Ag carbon-credit programs

MARKET OPPORTUNITY

$57B — Regenerative agriculture market by 2033, 18.7% CAGR (Grand View)

$136B — Global forage market by 2034 (IMARC)

32% — CAGR of voluntary ag carbon credits to 2034 (GMI)

WHAT MAKES IT DIFFERENT

Patented pivot harvester
Overhead cutterhead moves radially each rotation, harvesting 24/7 in any soil condition

Regrowth-friendly cutting
Plants are cut, not grazed, so fields regrow faster and yield more per acre

Closed nutrient loop
Nutrient-rich wastewater irrigation cuts fertilizer inputs and runoff

R&D BUDGET · $1M MAX RAISE

$80K

$25K	Establish prairie-grass test plots at the identified site (2026)
$35K	Harvest trials and livestock acceptance testing
$20K	Financial and engineering analysis to prepare the spinout

STATUS

Patent issued · test-plot site identified · field testing 2026

REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$177K	$2.4M	$13M
Upside	$20M	$330M	$859M

Sources: Grand View Research Regenerative Agriculture; IMARC Forage Market; Global Market Insights Voluntary Ag Carbon Credits · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Variable-Lift Cargo Airship

Heavy cargo to roadless places: a new airship with patented variable-density lift and lower fuel burn

IP STATUS
U.S. Patent 12,187,404 · granted January 7, 2025

THE INNOVATION

FOI's lift-chamber system heats, compresses and stores lift gas in a closed loop, giving the airship precise, on-demand buoyancy control without venting helium. Combined with a modern propulsion system, it enables 50-ton payloads delivered directly to roadless areas in ~12-hour transits, cutting the cost and environmental damage of building roads.

APPLICATIONS

- Remote logistics & mining
- Disaster relief
- Forest management & remineralization
- Defense resupply

MARKET OPPORTUNITY

$1.35B — Airship market by 2032, 7.9% CAGR (ResearchAndMarkets)

$8.4T — Global logistics industry

35 — Hybrid airships on order/LOI across Airlander & AT² (2025)

WHAT MAKES IT DIFFERENT

Variable-density lift
Closed-system gas management adjusts lift across altitudes with near-zero helium loss

Higher speed, lower fuel
Waste-heat recovery and intercooling reduce compressor work

Suspended processing
Supports forestry, remineralization and disaster-relief payloads

R&D BUDGET · $1M MAX RAISE

$70K

$42K	Engineering design of the lift-chamber demonstrator
$14K	Continuation patent filings on novel features
$14K	Government development-grant applications (DoD, DOE, USDA)

STATUS

Patent issued · design in process · pursuing government funding

REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$0	$1.6M	$4.1M
Upside	$0	$0	$250M

Sources: ResearchAndMarkets Airships 2032; Aerospace America 2025 hybrid-airship orders; FOI management · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Water Wave Energy Harvester

Turns ocean-wave momentum into steady power while calming the water behind it

IP STATUS
U.S. Patent 12,590,564 · granted March 31, 2026

THE INNOVATION

An elongated coupler mounted horizontally above the water carries a conveyor of vanes. Passing wave peaks push the vanes, driving an output shaft that generates electricity or pumps water to elevated storage. Modular arrays, adjustable height and angle, and an artificial sloped seafloor tune the system to local wave conditions and yield a wave-flattening effect for harbors and shorelines.

WHAT MAKES IT DIFFERENT

Continuous force capture
Long coupler maximizes contact with wave peaks for near-steady output

Adaptive controller
Adjusts vane height and angle to live wave measurements

Modular arrays
Rows and columns scale from a pier to a utility installation

APPLICATIONS

- Coastal & island utilities
- Port and harbor protection
- Desalination and pumped storage
- Off-grid coastal facilities

R&D BUDGET · $1M MAX RAISE

$60K

$35K	Scale-model wave-tank testing of the coupler and vane array
$15K	Controller software and generator integration
$10K	Utility and port-authority pilot outreach

MARKET OPPORTUNITY

$4.1B — Wave & tidal energy market by 2035, 9.2% CAGR (GMI)

1 GW — EU ocean-energy deployment target for 2030

€32M — Largest private wave-energy round (CorPower) — investor appetite is proven

STATUS
Patent issued · concept validation

REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$0	$565K	$2.8M
Upside	$0	$1.6M	$33M

Sources: Global Market Insights Wave & Tidal Energy; Ocean Energy Europe Stats & Trends 2024 · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Fast Twitch Muscle Trainer

A pneumatic robotic trainer that simulates contact-sport movements and measures force, torque and power in real time

IP STATUS
U.S. patent application pending

THE INNOVATION

FTMT is a pneumatic robotic training system that reproduces real-world, high-speed contact-sport movements while capturing force, torque and power data on every rep. Paired with a cloud analytics platform and athlete subscription, it turns each session into actionable data for athletes, coaches and scouts, and is planned to reach the market through a franchise model.

APPLICATIONS

- Professional & college teams
- Combine and scouting evaluation
- Athletic training franchises
- Sports-medicine rehab

MARKET OPPORTUNITY

$68.7B — Sports technology market by 2030, 14.9% CAGR (MarketsandMarkets)

$24B — Serviceable market across pro and amateur sports (management estimate)

17% — Fastest-growing segment: analytics and performance data (MarketsandMarkets)

WHAT MAKES IT DIFFERENT

Explosive-movement simulation
Pneumatic actuation reproduces high-speed contact loads safely and repeatedly

Real-time performance data
Force, torque and power captured per rep and streamed to the cloud

Recurring revenue model
Hardware plus analytics subscription, deployed through franchised training centers

R&D BUDGET · $1M MAX RAISE

$50K

$25K	Complete design and build a first pneumatic prototype
$15K	Sensor suite and cloud analytics MVP
$10K	Patent prosecution and pilot with a college program

STATUS
Patent pending · design phase (pre-prototype)

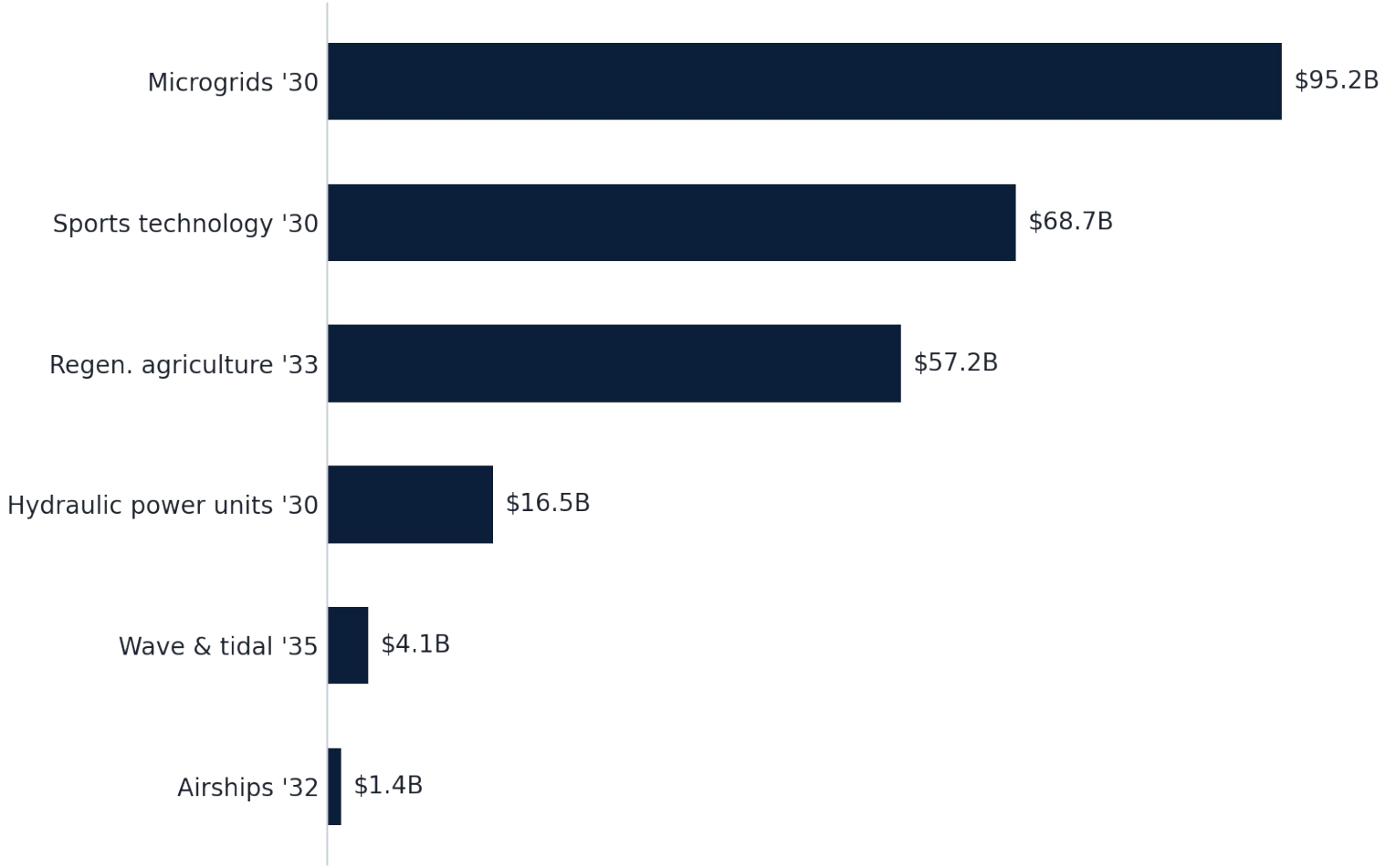
REVENUE PROJECTION · FOI MODEL

	2027	2029	2031
Base	$0	$1.2M	$8.1M
Upside	$0	$2.7M	$21M

Sources: MarketsandMarkets Sports Technology Market 2025–2030; FOI management estimates (Invown offering page) · Projections: FOI Invention Financial Model (management assumptions, not guarantees)

Every program targets a multi-billion-dollar market

Forecast market size in the primary segment each program addresses (US$ billions, forecast year in label)



WHY IT MATTERS

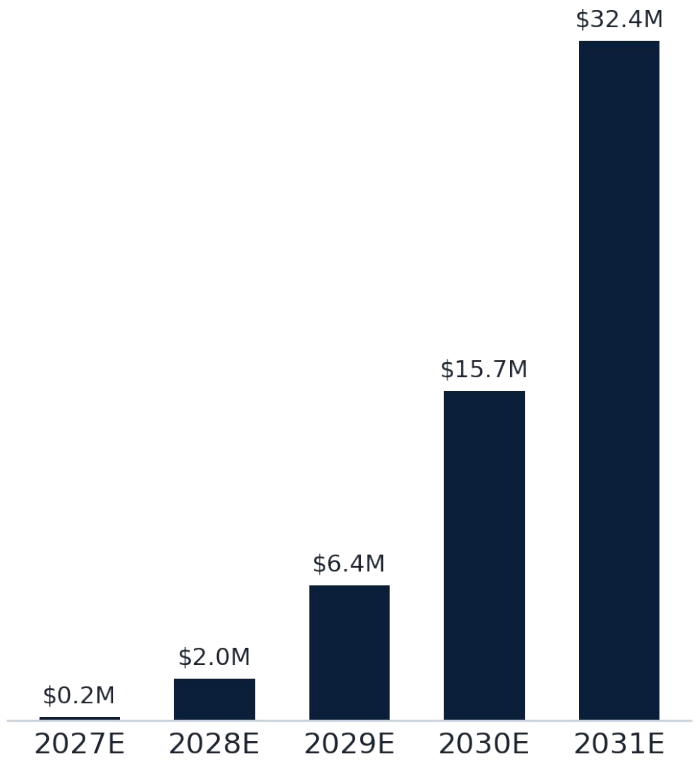
- Diversified exposure: six inventions across food, energy and human performance.
- Capital-light model: FOI licenses and spins out rather than building factories.
- Resilience, decarbonization and sports-performance spending are all growing faster than GDP.
- Issued patents give each program a defensible position before a dollar is spent on scale-up.

Sources: Grand View Research, Global Market Insights, MarketsandMarkets, Mordor Intelligence, ResearchAndMarkets (2025–2026 reports)

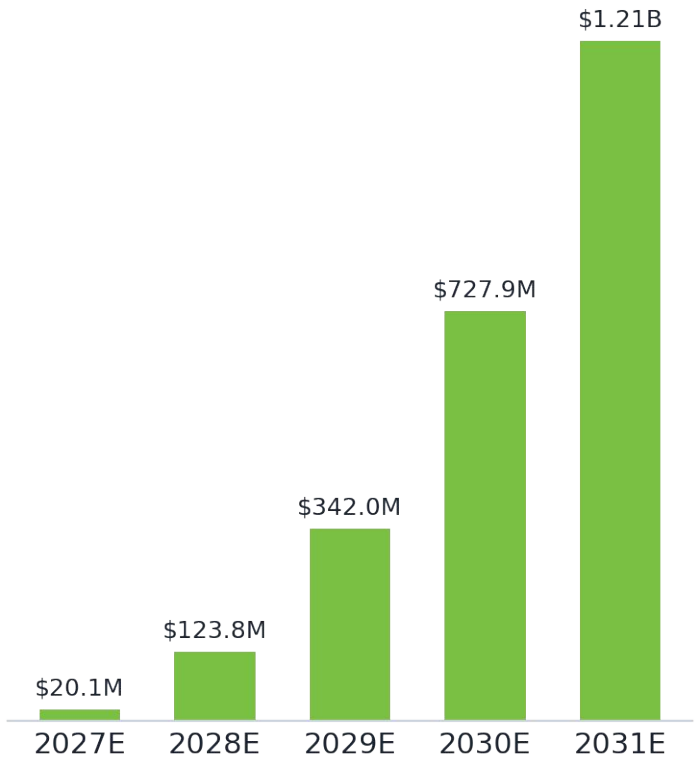
Two scenarios, one driver-based model

Portfolio revenue 2027–2031 (US$M). Base case: FOI licenses its IP and earns royalties, fees and demo-farm income. Upside case: FOI subsidiaries build and sell directly — including the founder's PGS LLC vision: 20,000 acres of gama grass finishing 80,000 head sold direct to consumers, plus CO_2-enriched hydroponics.

BASE CASE — LICENSING (US$M)



UPSIDE CASE — DIRECT / BUILD (US$M)



2031 REVENUE BY INVENTION (US$M)

Invention	Base	Upside
Zero Emission Power Combustor	**$3.8M**	**$30M**
Hydraulic Power Pack	**$836K**	**$15M**
Prairie Grass Systems	**$13M**	**$859M**
Variable-Lift Cargo Airship	**$4.1M**	**$250M**
Water Wave Energy Harvester	**$2.8M**	**$33M**
Fast Twitch Muscle Trainer	**$8.1M**	**$21M**
Portfolio revenue	**$32M**	**$1.21B**
Portfolio EBITDA	**$13M**	**$166M**

WHAT DRIVES IT

Royalty rates of 4–7% from published licensing benchmarks; unit prices from Hurst, Airlander, D1 Training and IRENA/EIA anchors; adoption ramps set by management. Every figure traces to a blue input cell in the model workbook.

Source: FOI Invention Financial Model 2027–2031 (companion workbook). Forward-looking management projections; not guarantees. Several inventions are pre-prototype and ramps may slip.

Offering terms and use of proceeds

REGULATION CROWDFUNDING TERMS

Issuer	FOI Equity, Inc. (investment vehicle for FOI Group, LLC)
Exemption	Regulation Crowdfunding (JOBS Act Title III)
Intermediary	Invown Funding Portal LLC (SEC-registered, FINRA member)
Security	Common stock at $0.50 per share
Target / maximum	$100,000 target · $1,000,000 maximum
Minimum investment	$1,000 · open to accredited and non-accredited investors
Ownership	FOI Equity acquires 60% of FOI Group; founder retains 40% and control

USE OF PROCEEDS

Category	Share	At target	At maximum
Research, development & IP	40%	**$40,000**	**$400,000**
Promotions	25%	**$25,000**	**$250,000**
Operations	25%	**$25,000**	**$250,000**
Legal & G&A	10%	**$10,000**	**$100,000**
Total	**100%**	**$100,000**	**$1,000,000**

HOW THE R&D + IP ALLOCATION IS DEPLOYED AT THE $1M MAXIMUM

Invention	Allocation	Milestone it funds
Zero Emission Power Combustor	**$80K**	Bench combustor runs; carbon-capture data
Hydraulic Power Pack	**$60K**	Prototype passes 10,000 psi field test
Prairie Grass Systems	**$80K**	Cattle accept forage; per-acre yield
Variable-Lift Cargo Airship	**$70K**	Lift-chamber demo; grant award
Water Wave Energy Harvester	**$60K**	Wave-tank efficiency validated
Fast Twitch Muscle Trainer	**$50K**	Working prototype; college pilot
Total R&D + IP	**$400K**	At the $100K target, proceeds prioritize PGS field testing and HPP prototype

Allocation by invention is a management plan and may change; see the Form C and offering documents on Invown for complete terms.

Who we are building this for, and how we get there



Investor profile

- Open to all investors, accredited and non-accredited, under Reg CF
- From $1,000 in common stock at $0.50 per share
- Aligned with FOI's mission: food security, clean energy, human performance
- Seeking diversified, IP-backed exposure in a single vehicle



Customer profile

- Government and defense agencies
- Agricultural producers and food manufacturers
- Industrial, utility and data-center operators
- Sports teams, training franchises and athletes



Go-to-market

- Licensing and strategic partnerships with sector leaders
- Government grants and SBIR/STTR programs
- Thought leadership: website, podcasts, public speaking, trade publications
- Targeted social and print campaigns to sector buyers



Potential paths to return

- Strategic sale of individual subsidiaries to sector acquirers
- Royalty streams from licensed IP
- A future public listing of FOI Group — an aspiration, not a guarantee

LET'S BUILD WHAT COMES NEXT

Six patented answers to food, energy and human-performance challenges — in one Reg CF offering.

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Invest at invown.com/pitch/foi · fullofideas.com · Dallas, Texas

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