



Distributed Clean Energy Infrastructure

Resilient, zero-emission onsite power for data centers

Solid-state hydrogen | delivered like cargo | no hydrogen infrastructure



Data centers are becoming power-constrained infrastructure

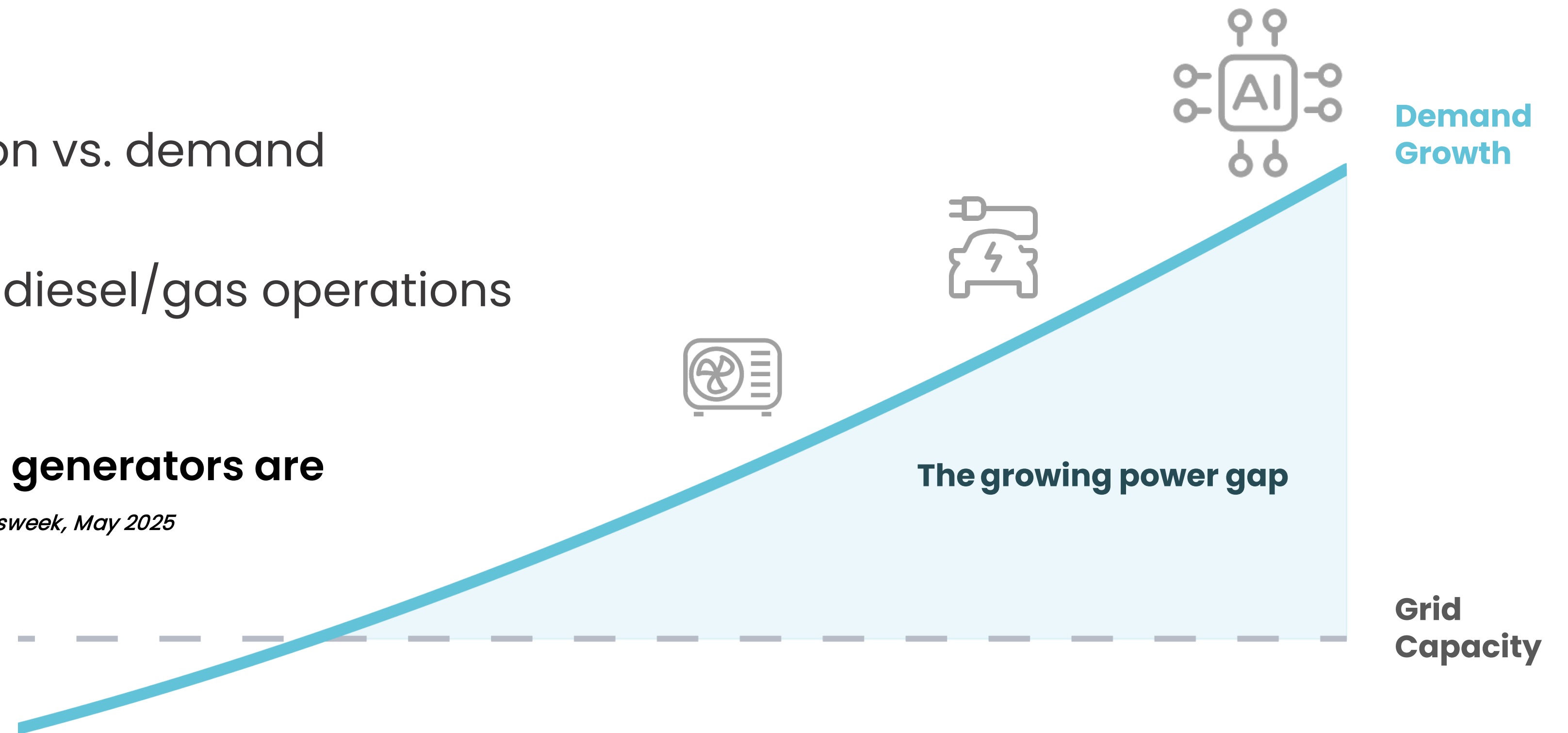
The Grid Can't Keep Up

Backup is becoming the backbone – and 80% runs on diesel

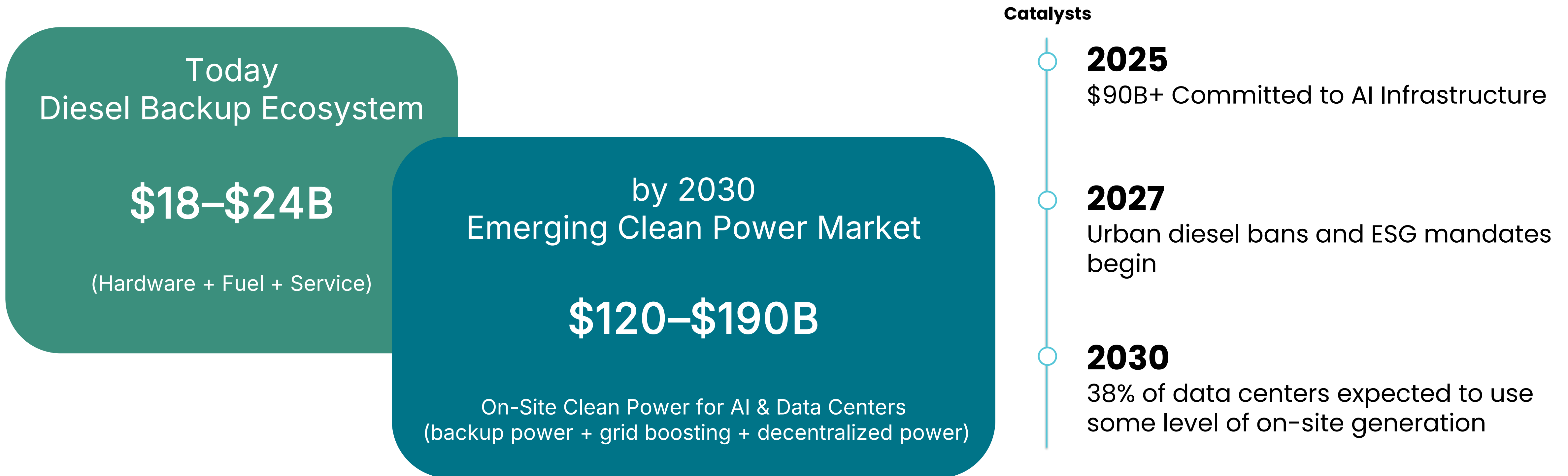
x20 Slower grid expansion vs. demand

\$50B A year burned on diesel/gas operations

"In the AI race, fossil-powered generators are data centers' dirty secret." *Newsweek, May 2025*



A \$20B → \$190B Power Market is Being Rebuilt



“We're very soon going to be producing more chips than we can turn on. The limiting factor for AI deployment is fundamentally electrical power”
Elon Mask, Davos, Jan 2026

Clean, long-duration power for data centers

Deployable clean power, delivered without hydrogen infrastructure



Long-Duration, Continuous Power

Modular N+1, campus-scale ready



Lower operational overhead than combustion

Less testing, maintenance, fuel logistics



Deploy anywhere, fast time-to-power

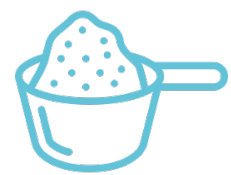
No hydrogen infrastructure, energy shipped as cartridges



Energy delivered like cargo

Why Solid-State Hydrogen?

It makes clean power practical – simple, efficient, and safe



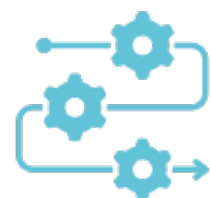
Solid-State: NaBH_4 – delivered in a powder or granulates form



High Energy Density: Outperforms batteries and conventional hydrogen



Safe & Stable: Dry, inert, ambient storage



No Infrastructure Needed: Transport like cargo, not fuel

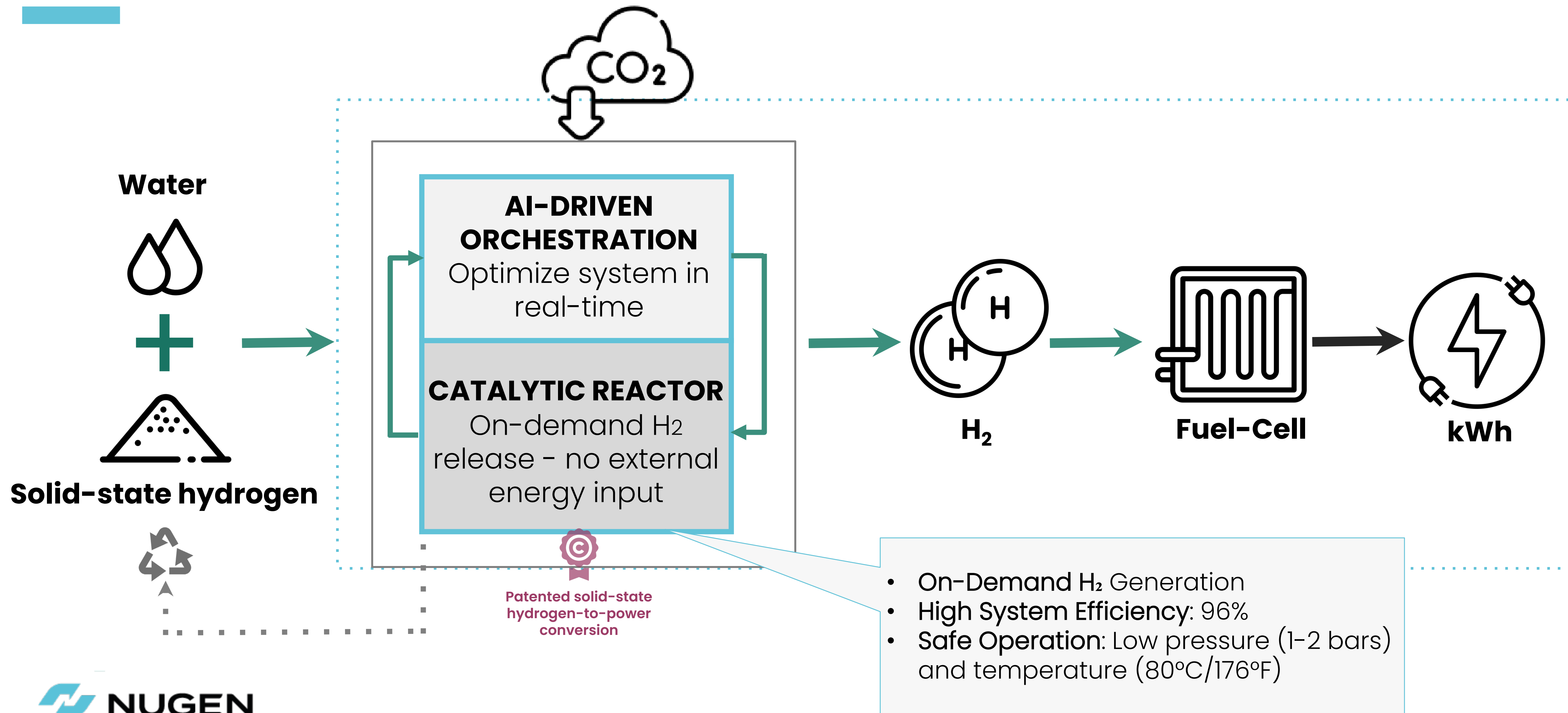
No pipelines. No pressure tanks. Just clean, modular power.



A New Way of Delivering Clean Power



Hydrogen generation on demand – no tanks, no pipelines, no emissions



Hydrogen in a Box: Modular, On-Demand Power



Cartridge-based delivery: no pipelines, no hydrogen infrastructure
Up to **32 MWh** per cartridge: modular, stackable, long-duration on-site power
\$0.4–\$0.8/kWh LCOE (10-year): competitive with diesel and long-duration batteries



- Example:
- Volume: 1.8 m³
 - Energy: 8300 kWh



Technology (stationary storage)	Usable Energy Yield per 1.8 m ³ Storage Volume
HydroBor Cartridge	Up to 8300 kWh
Diesel / Gas (LNG)	Up to 6,200/4,115 kWh
300/700 bar H ₂ Cylinder	Up to 600/2808 kWh
Liquid Hydrogen	Up to 3960 kWh
Lithium-ion Battery	Up to 1315 kWh

**Net electrical energy

Business Model

Customers pay for uptime: hardware + delivered energy + service



Product sales (Upfront revenue)

Power Generation
Systems



Energy supply (recurring, \$/kWh)

Represent energy usage —
measured per **kWh**



Service & maintenance (Recurring revenue)

Monitoring, support

A scalable, infrastructure-driven energy business with long-term upside

Competitive Landscape

Legacy Workhorses
(Polluting but Proven)

Easy to Scale & Deploy
(Flexible, Modular, Long Duration, Small Footprint, Safe)

Next-Gen Solutions
(Clean & Scalable)

Noisy & Emitting

Sustainable
(Emissions & Noise Free)

Obsolete Options
(Neither Scalable nor Sustainable)

Clean but Constrained
(Hard to Scale)

Limited Scalability & Deployment

Diesel Generators
Cummins, Caterpillar,
Generac, Kohler, MTU

Natural Gas Generators
Cummins, Caterpillar,
Generac, Kohler, MTU

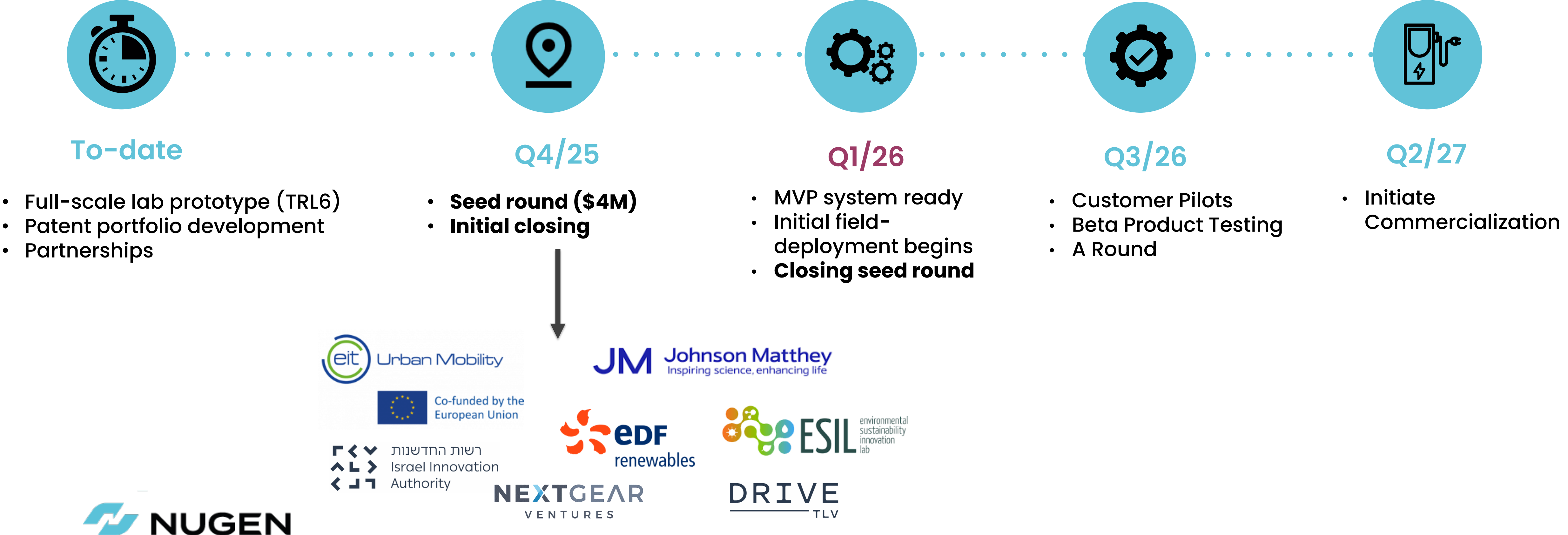
**Nugen's Solid-State
Hydrogen System**

Hydrogen Fuel Cells (Gaseous/Liquid H₂)
Bloom Energy, Plug Power

Battery Energy Storage Systems (BESS)
Schneider Electric, Tesla, ABB, Fluence

Road Map

Scaling Modular Hydrogen Power from Lab to Market



A Team of Experts – Driving Innovation



Eyal Shalom
CEO

An experienced CEO and Entrepreneur. 27 years in the tech industry, 9 years of which as CEO of RadView, startups mentor at Intel Ignite and Techstars, an advisor and board member to startups.



Evgeny Gamerman
CTO

An expert in hydrogen energy and fuel-cell-based systems. Over 20 years of comprehensive hands-on experience in multi-disciplinary systems development. Served as Head Of Engineering at GenCell Energy and as VP R&D at Airosphera.



Prof. Idit Avrahami
CSO

Head of Fluid Mechanics Laboratory at Ariel University. An expert researcher of complex problems in fluid dynamics, mass transfer, biomechanics, and robotics. A consultant to various companies and committees.



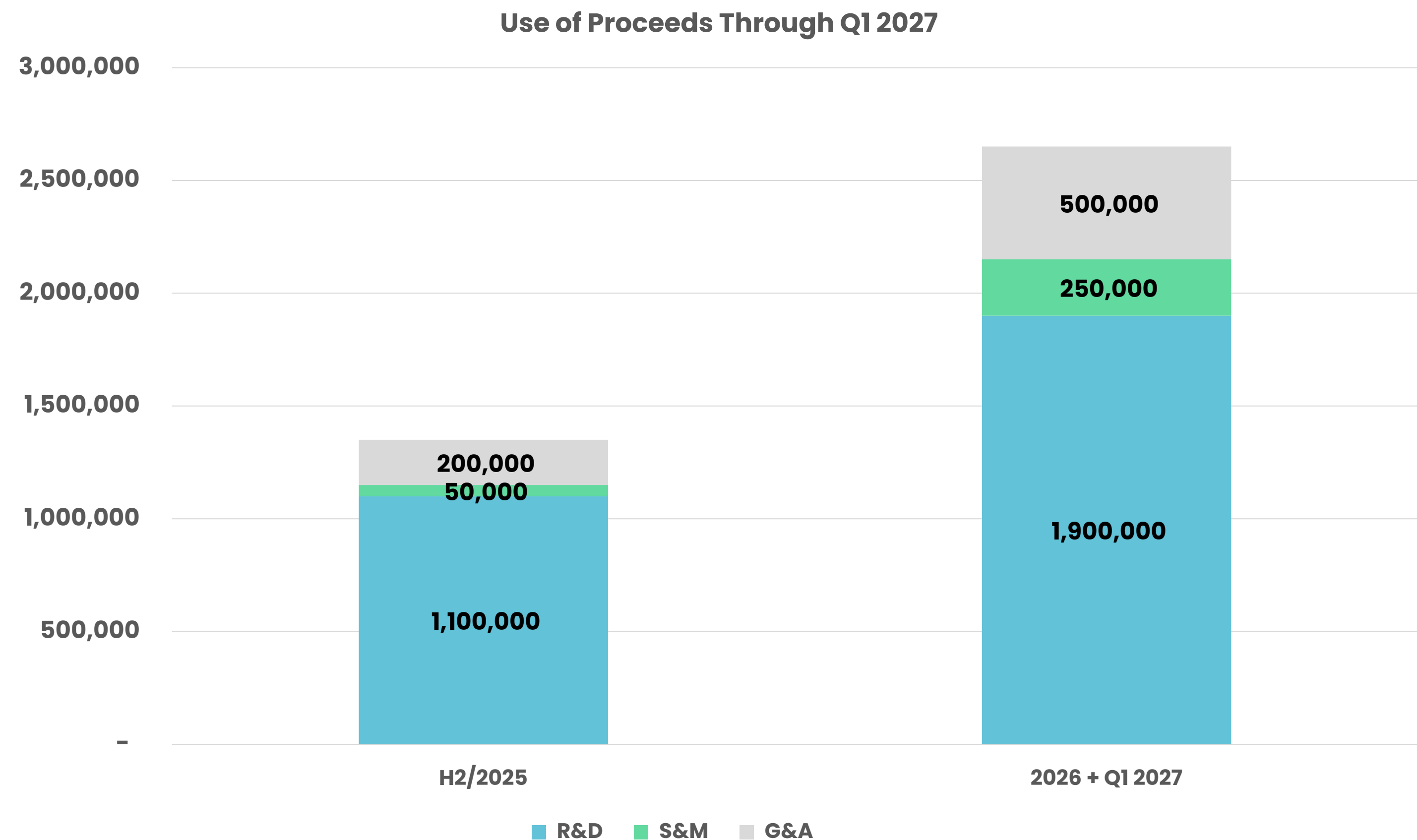
Prof. Alex Schechter
CSO

Head of Electrochemistry & Renewable Energy labs at Ariel University (IL) and West Bohemia (CZ). A chemist with 30 years of experience in fuel cells, batteries and alternative energy storage & conversion.

Fundraising and Use of Proceeds

Nugen is seeking to raise a **Seed** round of **\$4M**

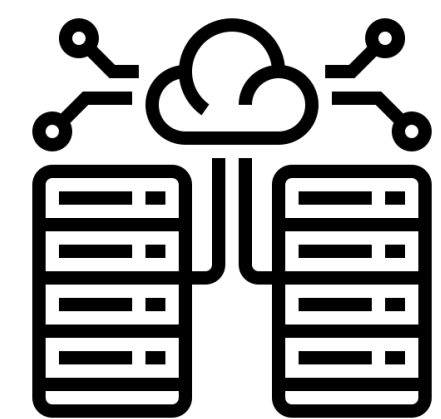
To drive technology scaling, pilots, market engagement, and early commercialization.



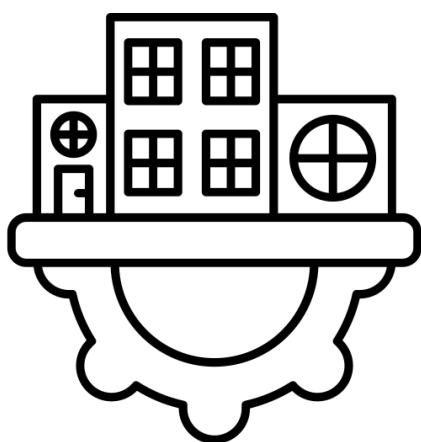
Our Focus: High-Need, High-Impact Sectors



Built for data centers. Designed for everything.



Data Centers

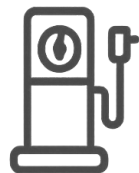


Critical Infrastructure

Adjacent & future markets



Defense



Mobility
Infrastructure



Maritime



Industrial, Healthcare &
Construction



Digital
Infrastructure



Remote & Rural
Access



Join us in scaling the next generation of zero-emission power

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1MW Generator – Example Spec



HONDA

TBD: In collaboration with Honda Fuel Cell Technology

Usage	Emergency Backup Power Generator
Output	Up to four 250kW units (1,000kW total) can be connected in series It can be configured in parallel based on 4 units to exceed a total capacity of 1,000 kW
Rated Voltage	AC 200-480V, 3-phase, 4-wire system
Compliant Standards	ANSI/CSA FC1 / IEC 62282-3-100
Startup Time	Within 10sec
Installation Environment	Temperature: -25°C – +45°C Altitude: MAX 2,000m / Performance guaranteed 1,000m
Noise Level	76dBA (@7m) or less
Exhaust	Zero Emission (No CO ₂ , NOx)

*Note: Information based on standard products working under standby operating conditions. New fuel cell technology production planned for 2026

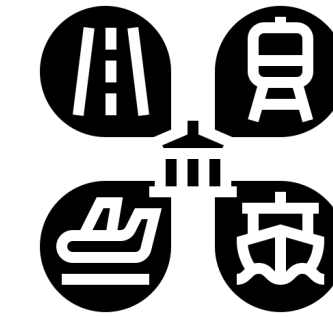
Dual-Use Applications: Mission-Critical Clean Power

Same platform for regulated and commercial environments where uptime and logistics matter



Defense and Public Safety

- ❖ **Off-grid energy resilience:** Power remote sites, temporary bases, and critical field operations where fuel logistics are constrained
- ❖ **Rapid deployment:** Containerized, modular systems that can be operational fast with minimal site infrastructure
- ❖ **Safe storage and transport:** Solid-state, ambient, non-pressurized energy cartridges reduce handling and safety burden vs diesel and compressed H₂



Civilian and Critical Infrastructure

- ❖ **Data center resiliency and grid support:** Long-duration backup, peak support, and expansion bridging where grid is constrained
- ❖ **Disaster relief:** Temporary power for emergency response, shelters, and humanitarian operations
- ❖ **Remote infrastructure:** Telecom, utilities, construction, and industrial sites needing reliable off-grid power

One platform, multiple markets: recurring energy supply model + modular hardware