



Cartridge-Based On-Site Power Generation

Powered by solid-state hydrogen

For Data Centers and Mission-Critical Infrastructure

Nugen delivers on-site power generation for data centers using solid-state hydrogen cartridges handled as standard cargo, simplifying logistics. The system generates electricity on demand, providing reliable, dispatchable power without fuel infrastructure or combustion overhead.

Power Is the New Bottleneck

- Data center electricity demand is accelerating as AI and high-density computing grow.
- Grid expansion lags demand growth by years.
- Most facilities still rely on fossil-fuel generators to bridge this gap.
- The result: widening power gaps, delayed deployments, higher OPEX, and growing regulatory exposure.

Continuous Availability. No Combustion.

A scalable, zero-emission power architecture designed for long-duration, removing dependency on fuel infrastructure and the operational overhead of combustion.

Nugen's patented Powder-to-Power system converts solid-state hydrogen into zero-emission electricity on demand. It is modular and rapidly deployable, enabling resilient on-site power without grid buildouts, pipelines, compression, or liquid fuel logistics. Advancing from TRL 6 toward pilots in 2026.

Key Benefits

- Always-available on-site generation
- Simplified operations and logistics
- Campus-ready modular scaling
- Hybrid-ready with batteries, renewables, and the grid
- Site-friendly footprint for constrained sites



Company Snapshot

Seed Round: Now raising (scaling, pilots, commercialization)
Seeking: pilot sites and strategic partners across data centers, energy, logistics, and infrastructure
Timeline: POCs in 2026, first commercial deployments in 2027



Simplified Logistics



Safe for Urban Areas



Grid-boosting



Scalable & Modular

