



Radio isotopic nuclear generators for data centers

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The data center power crisis

⚠️ Mismatched Growth

AI model training and deep cloud enterprise workloads are triggering a massive exponential expansion in computing infrastructure worldwide.

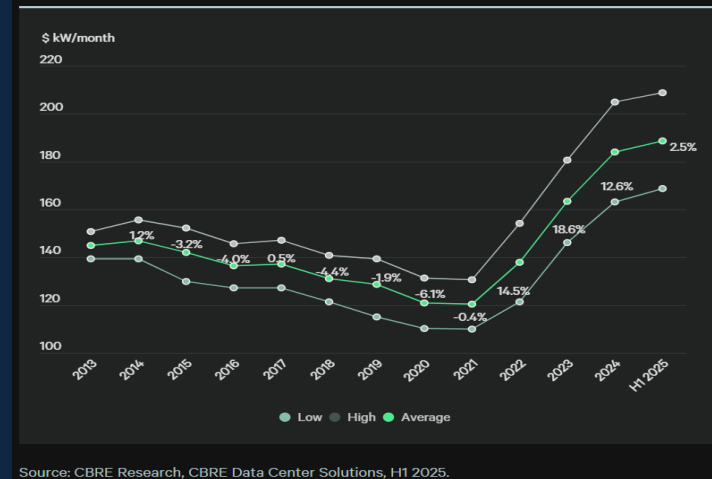
Grid deployment takes 5 to 7 years relative to just 1 to 3 years for constructing a data center.

📈 Scarcity and Skyrocketing costs

Severe energy shortages have resulted in highly congested transmission lines, forcing data center rental rates up significantly (\$/kWh pricing surges).

Edge data centers in remote locations face high costs or are outright denied grid access.

Figure 3: Average Asking Rental Rate Y-o-Y % Change for Primary Markets



Source: CBRE Research, CBRE Data Center Solutions, H1 2025.

Exhibit 1 - Traditional Enterprise Workloads Will Continue to Account for the Majority of Demand for Computing Power Through 2028

Global data center power required to serve projected computing demand (GW)¹



Sources: BCG Global Data Center Model; expert interviews; MLPerf; Nvidia quarterly earnings; press releases; product datasheets.

Note: AI = artificial intelligence; CAGR = compound annual growth rate; GenAI = generative artificial intelligence; GW = gigawatt; HPC = high-performance computing; n/a = not applicable.

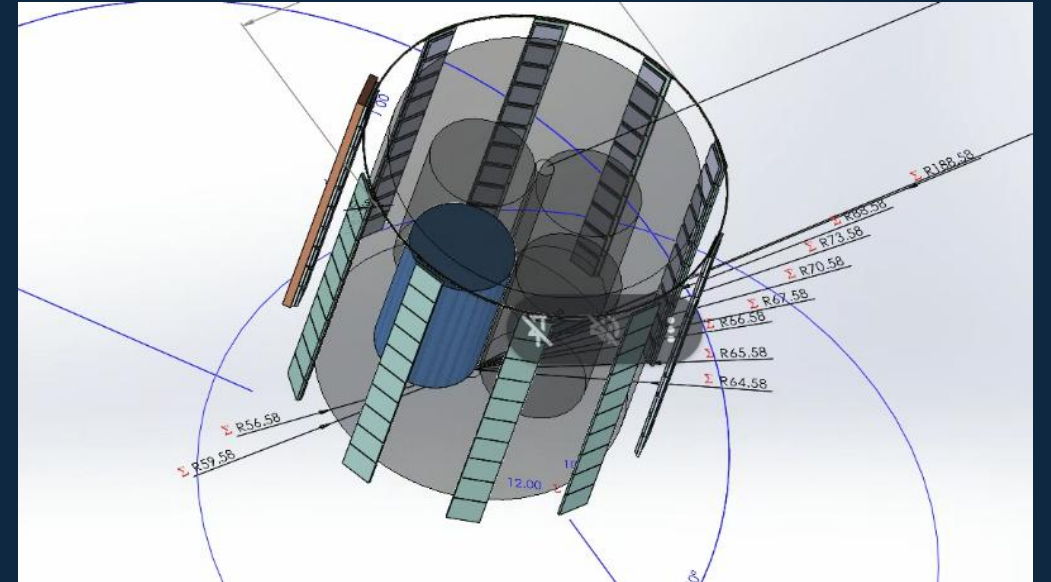
¹Data in this exhibit reflects the base case scenario, with hardware supply constrained through 2027 and unconstrained in 2028. Growth projections for data center demand do not include the impact of the bitcoin sector.

Continuous baseload energy

Solid-state and rapidly scalable

Our modular systems are faster than standard 5-to-7-year utility grid connection delays. Get robust, uninterrupted baseload power operational in months directly at your computing sites, and sell compute power to your customers today.

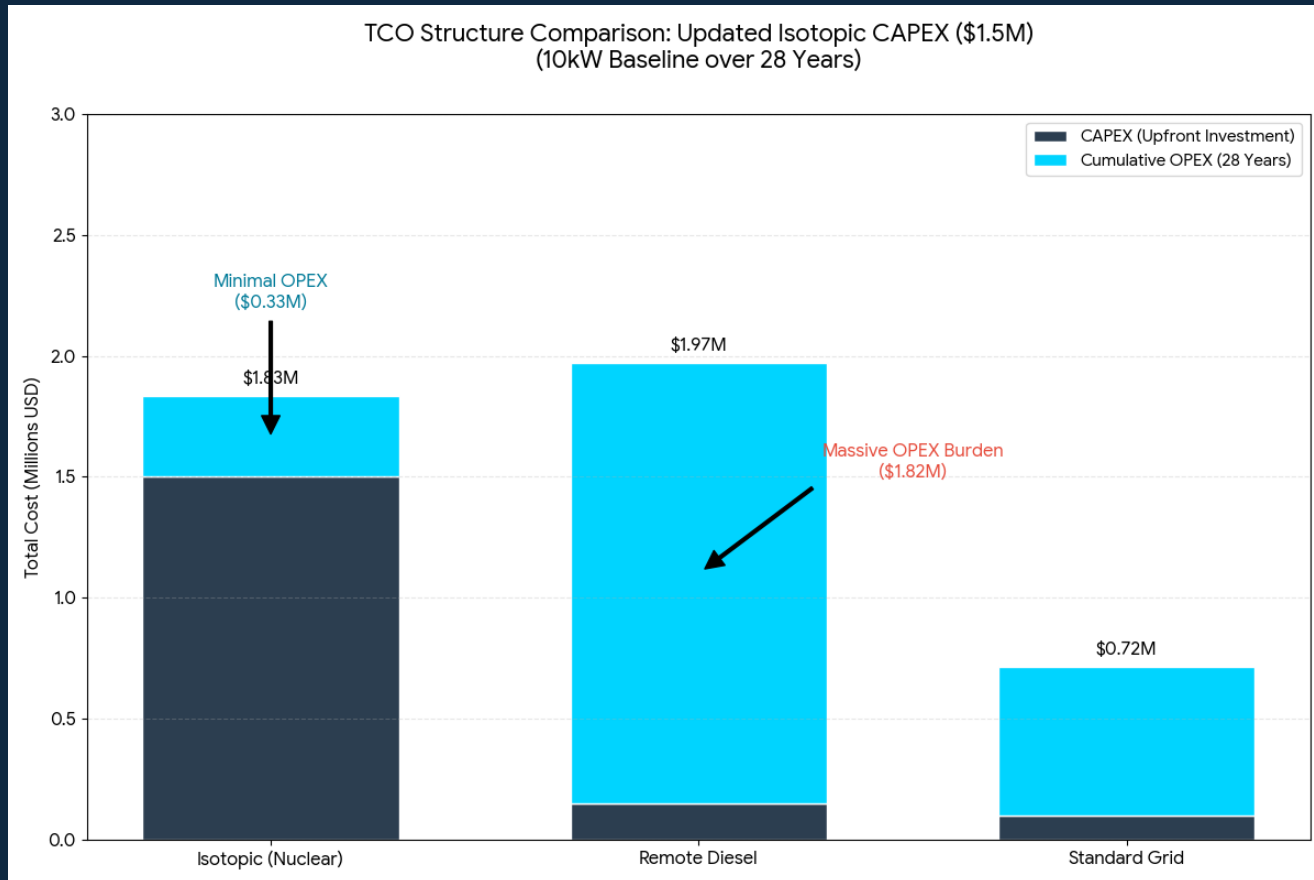
- ⚙️ **Zero Moving Parts:** No friction or mechanical wear translates to absolute zero maintenance costs over several half lives.
- ▶️ **Complete Silence:** Direct solid-state electron conversion ensures 0 dB acoustic output for sensitive local edge deployments.
- ⚡️ **1-Year Build to Deploy:** Modular units can be constructed, delivered, and activated in under 12 months for rapid off-grid scaling.



Unrivaled power comparison

Type	Co60 Radio isotopic	Grid power	Solar/Wind	Natural gas	Diesel generator	Hydrogen fuel cell
Power density (W/sq-ft)	Very compact (< 10)	N/A	Wide area (1200++)	Adequate (40)	Fair (50)	Adequate (40)
Availability	99.9999 %	99 %	20-30 % (Intermittent)	95-97 %	85 %	98 % (fuel limited)
Operational Life	28+ years	N/A	5-10 years	5-8 years	3-5 years	5-10 years
Refueling Cycle	None	Continuous	None	Continuous (pipe or tank)	Every 7-14 days	Every 30-60 days
Carbon Emissions (g CO2/kWh)	0	350-500	20-50	450-600	700+	0-50
Acoustic Profile	0 dB (Silent)	40 dB (Repetitive switch)	50 dB (Repetitive switch)	60-70 dB	Loud (80+ dB)	50 dB (Fans)
Heat Recovery	Zero	Zero	Zero	High (exhaust)	Moderate	Moderate (Low grade)
Scalability	Modular (simple)	Unlimited	High Land/Limited	High/Linear	High/Linear	Modular
Maintenance	0 (No moving parts)	0 (No moving parts)	0 (No moving parts)	Fuel movement	Regular (24hrs)	Regular (24hrs)

Fixed OPEX for 20 years



1. High initial CAPEX offset by elimination of electricity bills and carbon taxes for two decades. Your data center is shielded from 28 years of inflation, carbon taxes, and 700+ fuel truck delivery price fluctuations.
2. Cumulative OPEX is 12x less than a diesel generator and does not increase year on year.
3. Zero Fuel Volatility: The "fuel" is pre-loaded; there are no monthly gas bills or carbon credits. Isotope reliability means no unexpected downtime. No hidden costs.
4. Constantly available: in remote or mission critical settings, isotope power provides continuous baseload power for 28 years, 24/7, nonstop.
5. Maintenance: Minimal moving parts compared to diesel turbines. Only 2 hours of maintenance per year, done by experienced technicians.
6. Risk mitigation asset. No risk of a missed fuel delivery: a complex logistical supply chain is replaced with a simple, depreciable asset.

Underlying science & Core IP

🌸 Cobalt-60 Isotope Advantage

We leverage Co60 decay rather than fission. Passive decay is immensely simpler to manage, is safer, and lacks weaponization risks.

📊 **Perfect Half-Life Sync:** Co60's 5.7-year half-life perfectly aligns with standard 5-year GPU replacement/upgrade cycles.

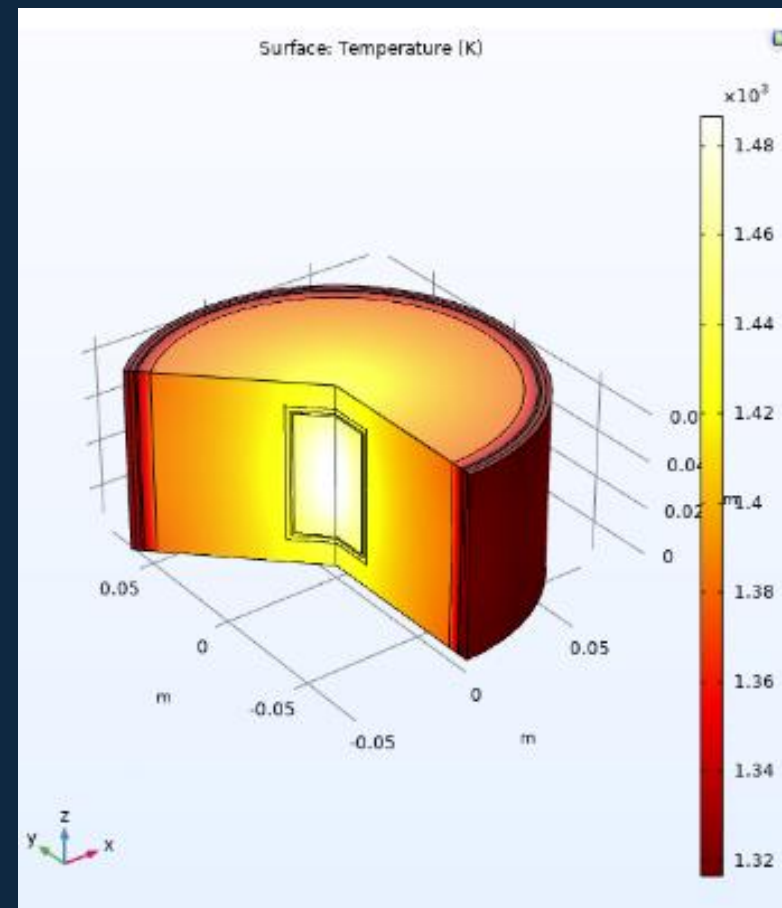
⚖️ **Stable Regulation:** Controlled under medical & industrial categories rather than military constraints.

■ High-efficiency TPV cells

State-of-the-art Thermophotovoltaic (TPV) technology works like solar cells operating in infrared, absorbing radiant heat directly into electrical current.

▶ **% 40% Efficiency Achieved:** Integration of specialized backsurface reflectors permits matching of steam cycle outputs.

▶ **Complete Silence:** Direct solid-state electron conversion ensures 0 dB acoustic output.



High-margin recurring model

5 Years

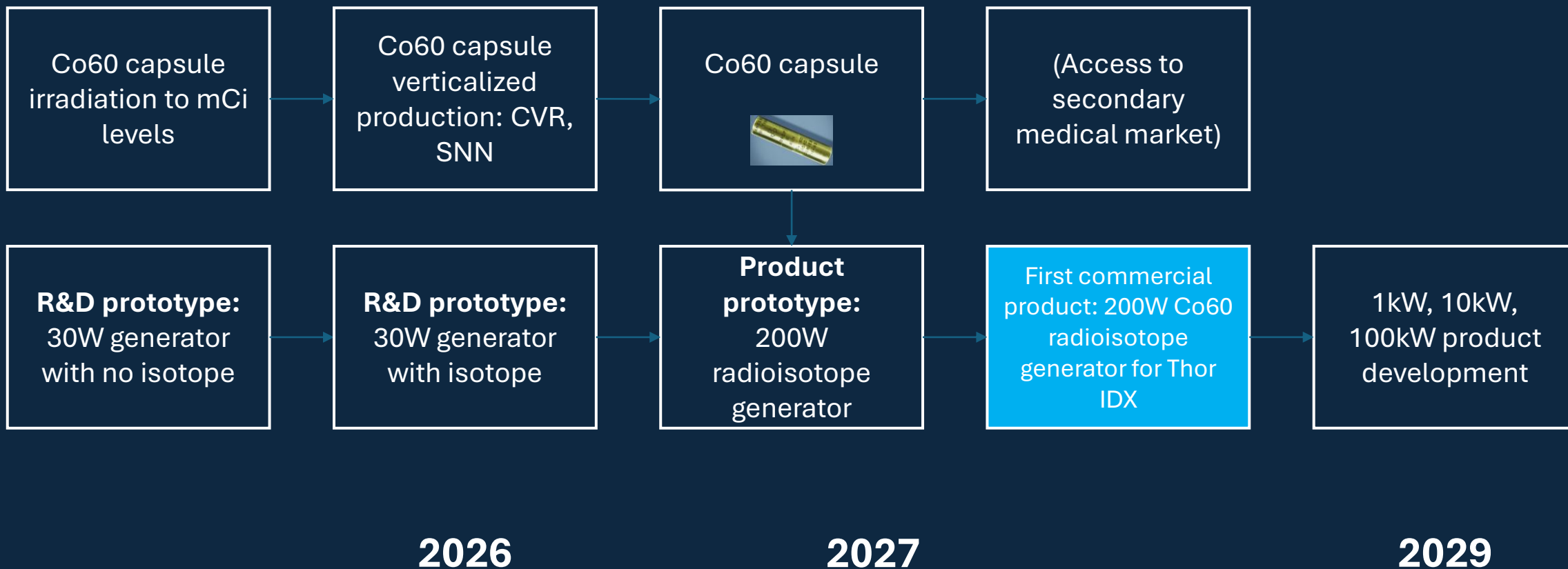
Unit Payback Period

Predictable Unit Economics

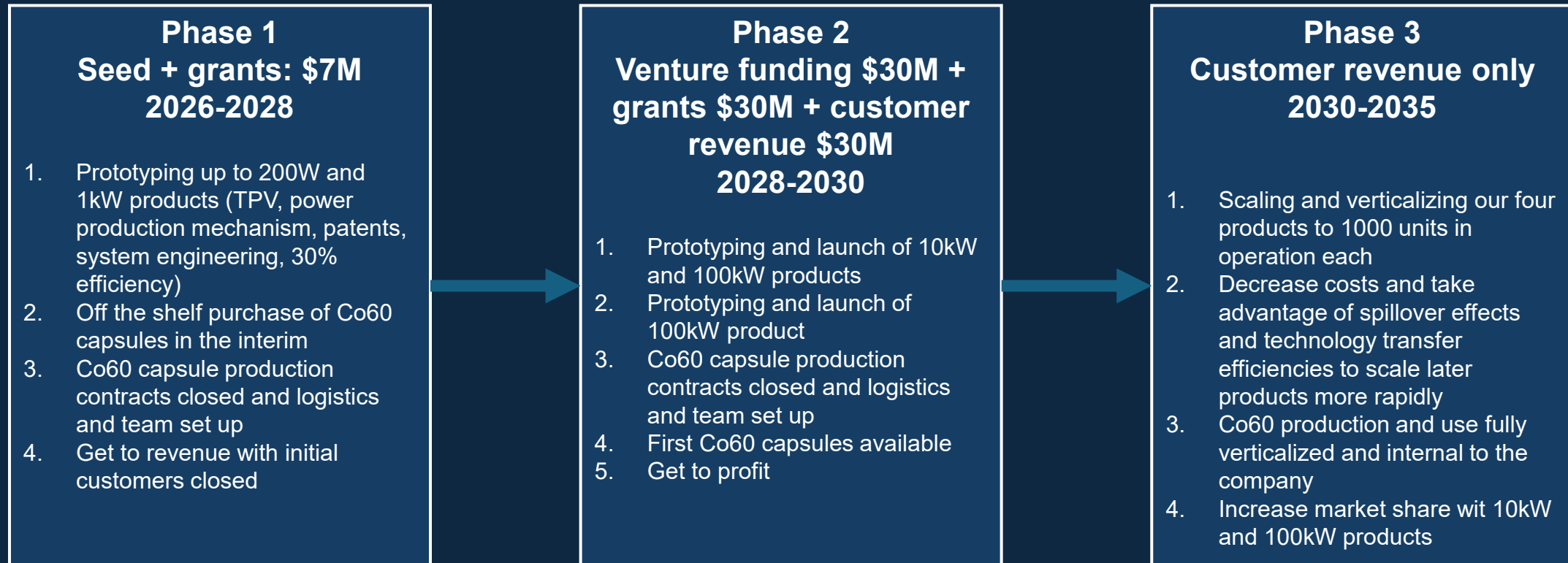
We deploy hardware as a service, offering standardized Power Purchase Agreements (PPAs) and retaining long-term physical asset ownership.

1. **Fixed Capacity Agreements:** Fixed monthly rate or \$/kWh consumption ensures incredibly predictable recurring cash flows.
2. **Recycling Advantage:** Once the 5.7-year Co60 core is depleted, elements are processed via recycle streams, preserving component investment.
3. **Insulated Margins:** Raw energy yields follow stable nuclear decay lines, completely disconnected from commodity fuel inflation.

Go to market: 200W system for Thor IDX



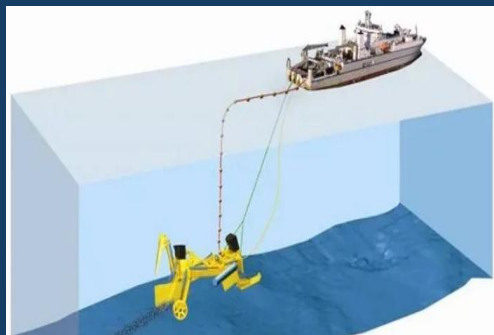
Financial projections and key metrics



Financial projections and key metrics

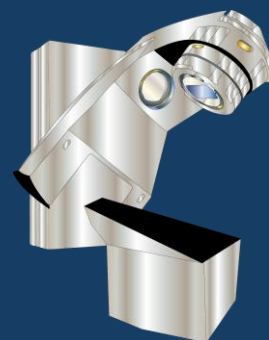
	2026	2027	2028	2029	2030	2031	2032	2033	2034
200W units deployed	1	10	100	1000	1000	1000	1000	1000	1000
Total kW sold	1,668	18,135	182,632	1,827,446	3,267,769	4,529,434	5,636,736	6,600,960	7,378,560
\$/kWh	50	35	26	16	5	3	3	3	3
Annual Revenue	\$83,376.00	\$634,737.60	\$4,748,440.32	\$29,239,142.40	\$16,338,844.80	\$13,588,300.80	\$16,910,208.00	\$19,802,880.00	\$22,135,680.00
Co60 cost per unit	\$30,000.00	\$25,500.00	\$21,000.00	\$16,500.00	\$10,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
Other costs per unit	\$50,000.00	\$37,500.00	\$25,000.00	\$12,500.00	\$5,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
Total CAPEX	\$80,000.00	\$630,000.00	\$4,600,000.00	\$29,000,000.00	\$15,000,000.00	\$9,000,000.00	\$9,000,000.00	\$9,000,000.00	\$9,000,000.00
Annual Profits	\$3,376.00	\$4,737.60	\$148,440.32	\$239,142.40	\$1,338,844.80	\$4,588,300.80	\$7,910,208.00	\$10,802,880.00	\$13,135,680.00
1kW units deployed	0	0	1	10	100	500	1000	1000	1000
Total kW sold	0	0	16675.2	181353.6	1826323.2	9936864	25254720	38793600	50664960
\$/kWh	6	6	48	25	13	6	4	3	3
Annual Revenue	\$-	\$-	\$800,409.60	\$4,533,840.00	\$23,742,201.60	\$59,621,184.00	\$101,018,880.00	\$116,380,800.00	\$151,994,880.00
Co60 cost per unit			\$300,000.00	\$200,000.00	\$100,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00
Other costs per unit			\$500,000.00	\$250,000.00	\$125,000.00	\$62,500.00	\$40,000.00	\$40,000.00	\$40,000.00
Total CAPEX	\$-	\$-	\$800,000.00	\$4,500,000.00	\$22,500,000.00	\$56,250,000.00	\$90,000,000.00	\$90,000,000.00	\$90,000,000.00
Annual Profits	\$-	\$-	\$409.60	\$33,840.00	\$1,242,201.60	\$3,371,184.00	\$11,018,880.00	\$26,380,800.00	\$61,994,880.00
10kW units deployed	0	0	0	1	10	100	500	1000	1000
Total kW sold	0	0	0	166752	1813536	18263232	99368640	253768896	389007360
\$/kWh	6	6	6	27	13	7	4	3	3
Annual Revenue	\$-	\$-	\$-	\$4,502,304.00	\$23,575,968.00	\$127,842,624.00	\$397,474,560.00	\$761,306,688.00	\$1,167,022,080.00
Co60 cost per unit			\$-	\$2,000,000.00	\$1,000,000.00	\$500,000.00	\$300,000.00	\$200,000.00	\$150,000.00
Other costs per unit			\$-	\$2,500,000.00	\$1,250,000.00	\$625,000.00	\$400,000.00	\$250,000.00	\$200,000.00
Total CAPEX	\$-	\$-	\$-	\$4,500,000.00	\$22,500,000.00	\$112,500,000.00	\$350,000,000.00	\$450,000,000.00	\$350,000,000.00
Annual Profits	\$-	\$-	\$-	\$2,304.00	\$1,075,968.00	\$15,342,624.00	\$47,474,560.00	\$311,306,688.00	\$817,022,080.00
100kW units deployed	0	0	0	0	1	10	100	500	1000
Total kW sold	0	0	0	0	1667520	18135360	182632320	993686400	2537688960
\$/kWh	6	6	6	6	14	7	4	3	3
Annual Revenue	\$-	\$-	\$-	\$-	\$23,345,280.00	\$126,947,520.00	\$730,529,280.00	\$2,981,059,200.00	\$7,613,066,880.00
Co60 cost per unit					\$10,000,000.00	\$5,000,000.00	\$3,000,000.00	\$2,000,000.00	\$1,500,000.00
Other costs per unit					\$12,500,000.00	\$6,250,000.00	\$4,000,000.00	\$2,500,000.00	\$2,000,000.00
Total CAPEX	\$-	\$-	\$-	\$-	\$22,500,000.00	\$112,500,000.00	\$700,000,000.00	\$2,250,000,000.00	\$3,500,000,000.00
Annual Profits	\$-	\$-	\$-	\$-	\$845,280.00	\$14,447,520.00	\$30,529,280.00	\$731,059,200.00	\$4,113,066,880.00

Secondary markets



Subsea telecom

Continuous power booster units for deep-sea fiber optic data transmission, mitigating grid line loss across ocean basins.



Medical

Highly lucrative medical treatment and instrument sterilization demand for Cobalt-60 sources, establishing immediate baseline cash flow opportunities.



Arctic and subsea remote power

Severe-condition solid-state power generation ideal for high-latitude weather bases, arctic sensors, and critical remote defenses. customer interest

Management team

- Background in the satellite industry with LEO and GEO satellites launched, and in the data analytics industry on the software side
- Technical education background in applied physics, materials science, mechanical engineering, software engineering
- Advisory with strong nuclear experience

Executive Team

- **Tamas Sarvary:** MS Applied Physics Columbia University, 7 years experience in aerospace sector (IO and AST SpaceMobile)
- **Mohamed Haroun:** CTO, MS Materials Science, Columbia University, 5+ years private sector experience in manufacturing

Engineering

- **Petr Lelikov:** Engineer, ME Electrical + PhD Mechanical student
- **Segundo Chimborazo:** Engineer, MS Chemical

Seed Investors

- **Benedek Gabor:** PhD mathematical econometrics, 25+ years experience in data analytics, cofounder Lynx, seed investor IO
- **Gyorgy Lajtai:** MBA INSEAD, 25+ years experience in data analytics, founder and CEO Lynx Analytics, founder/CEO LynxKite
- **Zsolt Katona:** Tenured professor at Berkeley, PhD software engineering Berkeley and PhD marketing management INSEAD, seed investor in IO and Lynx

Academic Advisors

- **Prof. Massimiliano Fratoni:** Tenured professor at Berkeley, head of the nuclear engineering department
- **Prof. Peter Hoseman:** Professor at Berkeley, head of nuclear laboratory operations
- **Prof. Pavel Tsetkov:** Professor at Texas A&M, head of nuclear department

Call to action

Seeking

\$150.000

at 3M valuation

Strategic Equity Allocation

Securing material supply lines, formalizing commercial reactor partnerships, and finalizing assembly of go-to-market prototypes.