



RADIANT RIDGE
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Radiant Ridge Energy

Powering the Digital Future with Firm, Clean Energy

Reliable, Scalable, and Sustainable Power for the AI and
Industrial Economy

Headquartered in Calgary, Alberta | Global Experience, Local Commitment



Who We Are



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Radiant Ridge Energy (RRE) develops and operates hybrid power systems engineered to deliver firm, contracted energy for data centers, AI infrastructure, and industrial users.



Our systems integrate **wind**, **solar**, and **natural gas** to provide 24/7 power at the scale, cost, and reliability today's digital economy demands.



With over **2.15 GW of operational assets** across Asia and Africa, we've now expanded into **Canada** to bring our proven expertise to North American markets.

Why We Are Here



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The next generation of digital infrastructure including AI clusters, data centers, and advanced industries, requires **massive, uninterrupted power**.

However



Renewables alone can't guarantee 24/7 uptime.



Fossil fuels conflict with corporate carbon goals.



Grid capacity is increasingly limited and slow to expand.

RRE's **hybrid-by-design** model solves this by combining renewables and dispatchable generation to deliver **firm, contracted power** that's both clean and reliable.

Our Hybrid Model



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RRE's "Hybrid-by-Design" Approach integrates



Wind & Solar

for low-cost, sustainable load generation



Natural Gas

for reliability and rapid response



Smart Controls

for optimized dispatch and efficiency



Modular Design:

standardized and parallel systems that expand to 100MW+ clusters

Benefits



24/7 power availability



Reduced carbon footprint



Lower cost of energy over time



Scalable deployment

Proven Global Expertise

We are a **proven operator** with a global track record of delivering high-performance, multi-power technology at scale.

China

- **1.6 GW** wind portfolio, generating **4 B kWh** annually (~1/22 of **Three Gorges Dam**).
- **221 × 6.25 MW** state-of-the-art turbines engineered for complex terrain.
- Hybrid concrete tower technology, achieving record **160 m** hub heights.
- Site-specific optimization for maximum energy yield and reduced CAPEX.

Solar Projects

- **550 MW** of utility-scale solar capacity in operation.
- Proven performance in multi-site development, construction, and asset management.

Seychelles - National Grid Transformation

- Comprehensive power system modernization integrating waste-to-energy and wind.
- **500 M kWh/year** of clean energy added to the national grid.
- Increased grid reliability and reduced fossil fuel dependency by **50%** (target 2030).

North America Development

- Hybrid wind + natural gas projects designed for AI and data-center-grade firm power.
- Modular **10 MW** units scalable to **100 MW+** clusters for rapid deployment.

Total operational assets: 2.15 GW (wind + solar)



These projects demonstrate our ability to **deliver complex, multi-technology energy systems at scale.**



Alberta - RRE's Next Chapter



Radiant Ridge Energy is proud to establish its **North American headquarters in Alberta**, a province with world-class energy expertise and a growing digital infrastructure ecosystem.

Our goal is to collaborate with:



Municipalities & Regulators

To support Alberta's clean growth goals



Landowners & Indigenous Communities

To develop sustainable, locally beneficial projects



Industry & Technology Partners

To power the AI and data economy with firm energy

What We Offer

To Our Partners and Stakeholders:



Reliable Power Supply

Contracted capacity built to meet 24/7 operational requirements for AI, data, and industrial applications.



Operational Efficiency

Optimized systems deliver high uptime, lower LCOE, and predictable energy pricing.



Faster Deployment

Modular 10MW design cuts development timelines by up to 24 months compared to conventional grid builds.



Local Collaboration

Partner-driven model ensures regulatory alignment, community participation, and streamlined execution.

Partnership Opportunities

We work through **collaborative models** that create shared value:

Joint Development

Co-developing projects on partner-owned land or sites



Strategic Alliances

Partnering with municipalities, utilities, and indigenous entities to expand hybrid infrastructure



Power Purchase Agreements (PPAs):

Supplying long-term clean, firm power



Supply Chain Partnerships

Working with local contractors, EPCs, and manufacturers



Our Strategic Roadmap



Phase	Period	Milestones
Foundation	2025–26	First 10MW gas plant in Alberta; 100MW hybrid project submitted
Scale-Up	2026–27	100MW deployment; cash flow positive; PPAs with AI/data clients
Breakthrough	2028–29	220MW hybrid station operational
Regional Leadership	2030–31	450MW+ capacity; US market entry; IPO or strategic investment

Our Commitment

We build energy solutions that are **safe, sustainable, and socially responsible.**

Safety First
Industry-leading HSE
standards



Indigenous Collaboration
Respectful engagement and
shared economic benefit



Environmental Care
Low-impact design and full
land restoration



Transparency
Open communication and long-
term accountability



Our Vision for the Future



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We envision a future where **clean, firm energy** powers every digital and industrial engine, from AI clusters to regional manufacturing hubs.



By integrating **renewables, advanced storage, and resource recovery**, we're building the backbone of resilient energy infrastructure.



RRE's hybrid systems deliver reliable, scalable, and sustainable power that fuels growth without environmental compromise.



Our goal is to enable **energy independence**, strengthen **local economies**, and support **net-zero transition** across industries and communities.



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Way Forward

AI's energy demand is surging, requiring firm, fast, and sustainable power. Radiant Ridge Energy delivers all three, today.

Contact

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