

### **Radiant Ridge Energy**

# Powering the Digital Future with Firm, Clean Energy

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



Headquartered in Calgary, Alberta | Global Experience, Local Commitment

### Who We Are





Radiant Ridge Energy (RRE)

develops and operates hybrid power systems engineered to deliver firm, contracted energy for data centers, Al 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





The next generation of digital infrastructure including Al 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**



### 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 x 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 multisite 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 Al 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 Al/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 longterm accountability

### **Our Vision for the Future**









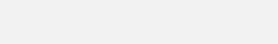


We envision a future where **clean, firm energy** powers every digital and industrial engine, from Al clusters to regional manufacturing hubs.

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.



## Way Forward

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

Contact

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