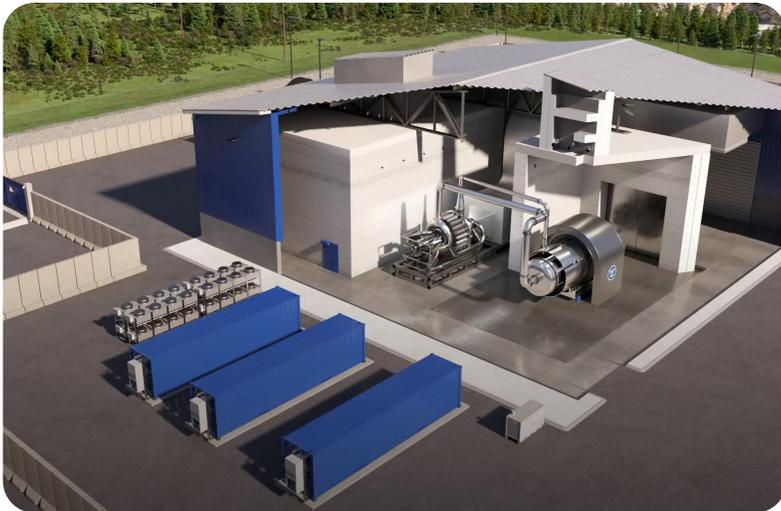


eVinci™ Microreactor

Clean Energy Solution for Mining

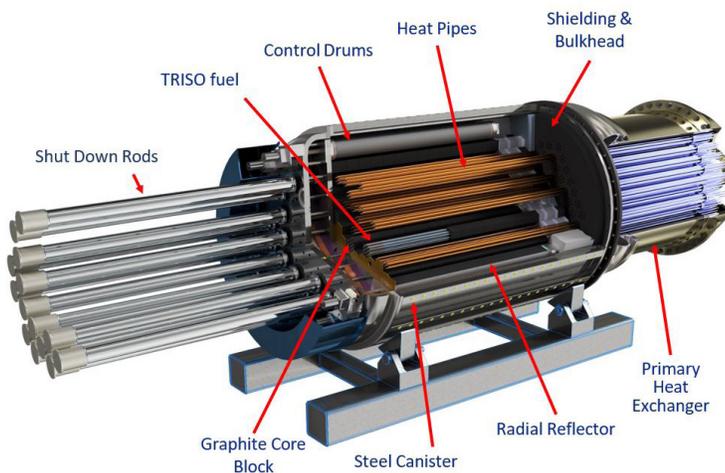
Resilient, emission-free baseload power and heat

The eVinci™ Microreactor's innovative design combines new technology advancements with 60+ years of commercial nuclear design and engineering, creating a cost-competitive and resilient source of zero-emissions power and heat with superior reliability and minimal maintenance. Its small size allows for transportability and rapid, on-site deployment. eVinci can produce **5MWe with a 13Mwth** core design. The reactor core is designed to run for **eight or more years at full power before refueling.**



Rendering of an eVinci Microreactor located at a remote mining site.

eVinci Microreactor Advanced Nuclear Technology Design



eVinci Microreactor Key Benefits

- **Reliable** energy source in all weather conditions, temperatures and locations
- Immediate **load-following and load-shed** capabilities
- Flexible energy with **scale-up and scale-down** capabilities as mining operation grows or reaches end of life
- Eliminates commodity risk from diesel fuel as well as interruptions because of seasonal challenges of transport to remote communities
- **Above-ground installation** requires minimum ground disruption with less than a 2 acre footprint
- Seamless, reliable pairing with wind, solar and hydro
- **Transportability** in shipping containers via rail, barge, truck



Scan to take a virtual tour

eVinci™ Microreactor

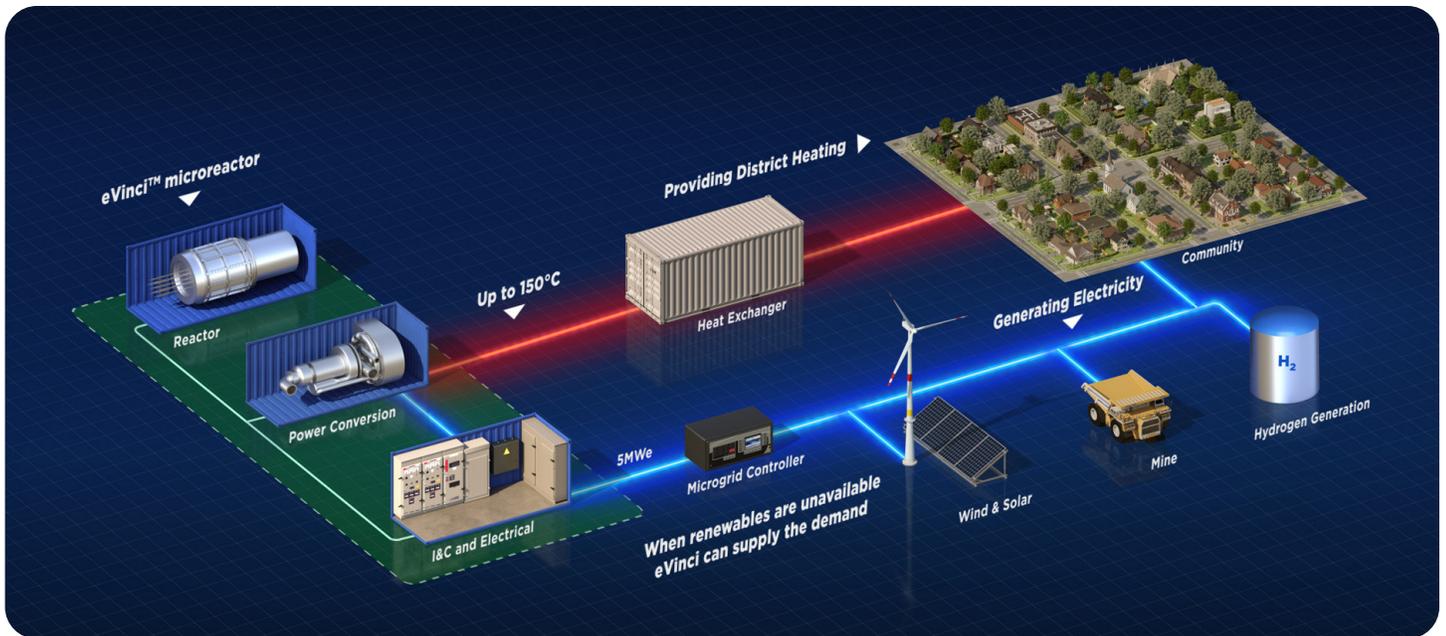
Safe, Reliable Technology

Environmental Benefits

- Completely **emissions-free** baseload power for 8+ years
- Built above ground and requires **no water** for cooling or operation
- Spent fuel returned to manufacturer or DGR long-term storage
- Each eVinci microreactor will **reduce up to 55,000 tonnes of CO₂ / year**

Free Low-Grade Heat

The eVinci generates 'free' low-grade heat at 150°C which can be utilized for district heating of community infrastructure or pre-heating mine ventilation.



Scan to take
a virtual tour

<https://www.westinghousenuclear.com/energy-systems/evinci-microreactor>

October 2023

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