

eVinci™ Micro Reactor

Emissions Free Heat and Power

The Westinghouse Solution

The eVinci Micro Reactor's innovative design combines new technologies with 50+ years of commercial nuclear design and engineering and creates a cost competitive and resilient source of power with superior reliability and minimal maintenance. Its small size allows for transportability and rapid, on-site deployment in contrast to plants requiring large amounts of construction. eVinci can produce 5MWe with a 15MWth core design. The reactor core is designed to run for eight or more full power years before refueling.

The key benefits of the eVinci Micro Reactor are attributed to its advanced heat pipe technology. The heat pipes enable passive heat transfer, eliminating the complexity of a forced flow reactor coolant system. Westinghouse is building on decades of nuclear instrument and control experience to support capability for fully autonomous operation with remote monitoring.

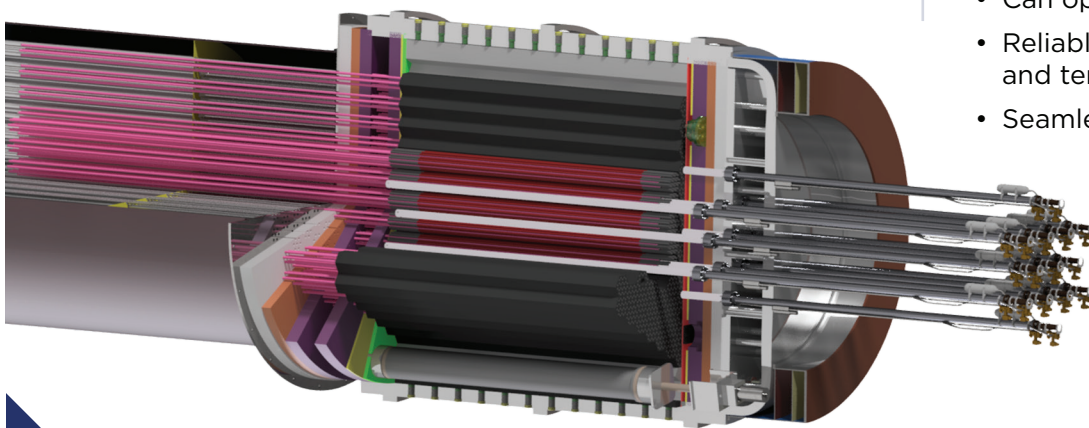
Customer Benefits

eVinci offers many benefits and can support achievement of global net zero carbon goals:

eVinci minimizes construction costs and labor and can be installed and placed into operation in less than 30 days. It is designed for safe and reliable electricity and heat generation and is the most advanced nuclear technology solution that provides invaluable benefits to both industry and communities.

eVinci Key Attributes:

- Eliminates risk from costly or seasonal diesel fuel supply
- Enables sustainable economic development for remote communities
- Allows for rapid deployment and scalability
- Provides process heat for industrial applications and district heating
- Completely emissions free
- Minimal maintenance
- Can operate on or off grid
- Reliable in all weather conditions and temperatures
- Seamless pairing with wind, solar and hydro



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