

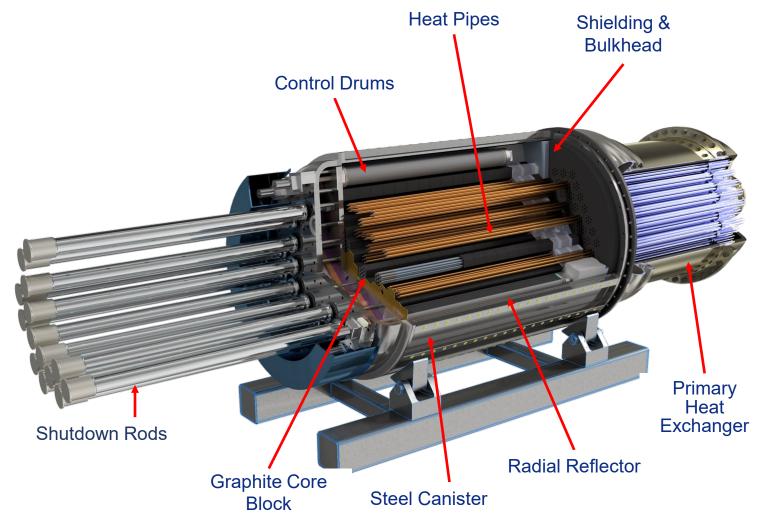
Enabling Versatile Nuclear Deployments of the eVinci™ Microreactor

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eVinci Microreactor Design

Parameter	eVinci Microreactor
Power	15 MWt
Fuel Cycle	8 years
Fuel (Enrichment)	Tri-structural Isotropic (TRISO) (19.75%)
Coolant	Heat Pipes
Reactor Pressure	~1 atm
Moderator	Graphite
Power Conversion	Open-Air Brayton
Efficiency	34%
Decay Heat Removal	Radial Conduction



eVinci Microreactor Site Layout

Site and facility shown for single unit

- All buildings and systems: above ground
- Reactor site footprint: < 3 acres
- Building footprint: < 0.5 acres





eVinci Microreactor Deployment Model



Transportation Considerations

- Reactor module will be transported in Westinghouse-designed Reactor Transportation Cask (RTC)
 - U.S. NRC Part 71 Certificate of Compliance (CoC) for Type B fissile package
- Ability to transport via road, rail and water
- Transport security plan informed by regulation
 - 10 CFR 73.26 (U.S.)
 - REGDOC-2.13.3 (Canada)
- Route planning for specific shipments will be coordinated with local authorities and meet any necessary regulatory requirements

